Eurotransplant

ENIS System user manual

Eurotransplant

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Foreword

The Eurotransplant ENIS system is subject to continuous development and improvements. This guide provides all the necessary information to work with ENIS. In several releases during a year ENIS is remodeled and updated to serve each country and its legislation around organ donation. Of course this guide will be updated with each release when necessary.

The information contained in this User Guide is provided in good faith. However, Eurotransplant does not warrant the accuracy of that information and does not accept any liability for loss, damage or injury resulting from its use or from omissions from this manual.

Please take note of the following:
Any change in the configuration of your personal computer system, may jeopardize the functionality of the communications with the ENIS system. We advise you to consult our computer staff beforehand.

As with any computer system, problems may occur and usually do so unexpectedly. We advise you to frequently make back-up copies of your data. Our computer staff will be happy to advise you.

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Introduction

Welcome to the Eurotransplant ENIS system

If you are a new user, this guide will help you through the first few sessions. It explains the basic concepts and will provide step by step instructions on how to operate the Eurotransplant ENIS system.

Overview of the Eurotransplant ENIS system describes the features of our system briefly.

How to use the ENIS system explains the basic operations required to operate the system, such as:

- connect and disconnect from the ENIS system
- how to navigate through the different forms (pages)
- how to enter information
- how to search and display information
- how to use the function keys

Recipient registration and update gives step by step procedures on how to enter data about recipients, including how to register new recipients. This chapter also gives instructions how to use the fast screening input and processing.

Donor registration gives instructions on how to enter data about living donors.

Requesting donor / recipient information explains how donor information of received offers can be retrieved and how recipient information is shown

Transplant registration and update explains how to register transplants and how transdplant data can be updated.

Center information registration and update explains how to enter details about transplant centers and donor profiles.This part laso explains how you can register a limitation of transplant capacity(for the entire center of specific recipients), so you will not receive an offer during this period.

Reports gives instructions on how to generate and transfer reports to your local system and how to print or how to save reports (waiting lists , data-extracts, etc.) .

Overview of available reports and extracts lists all the available reports and extracts and gives an overview of the contents of each report or extract.

Frequently asked questions lists a number of questions our Helpdesk receives regularly.

Addendum A contains the code tables for the extracts.

1. Overview of the Eurotransplant ENIS system.

You don't have to be a computer expert, to be able to use the Eurotransplant ENIS system. However, to help you operate it more efficiently, take your time to read this section about the components of the ENIS system and different environments.

1.1 The Eurotransplant information system

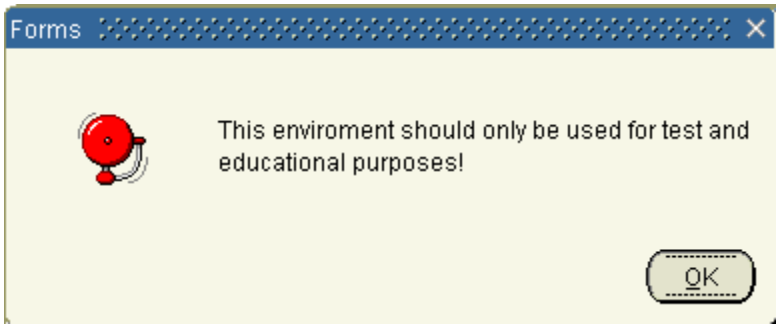
The Eurotransplant International Foundation has a computer system, to register recipients, donors and transplants and to perform matches for the separate organ. This system has the name ENIS (**Eurotransplant Network Information System)**. Each transplant center collaborating with Eurotransplant can enter, update and retrieve their own information of center, recipients, living donors and transplants.

To ensure as much privacy to donors and recipients, access to data in the ENIS system is limited by user rights. Users can see data specific for their function and/or center. Even at the Eurotransplant head office in Leiden not all personal has access to all the data.

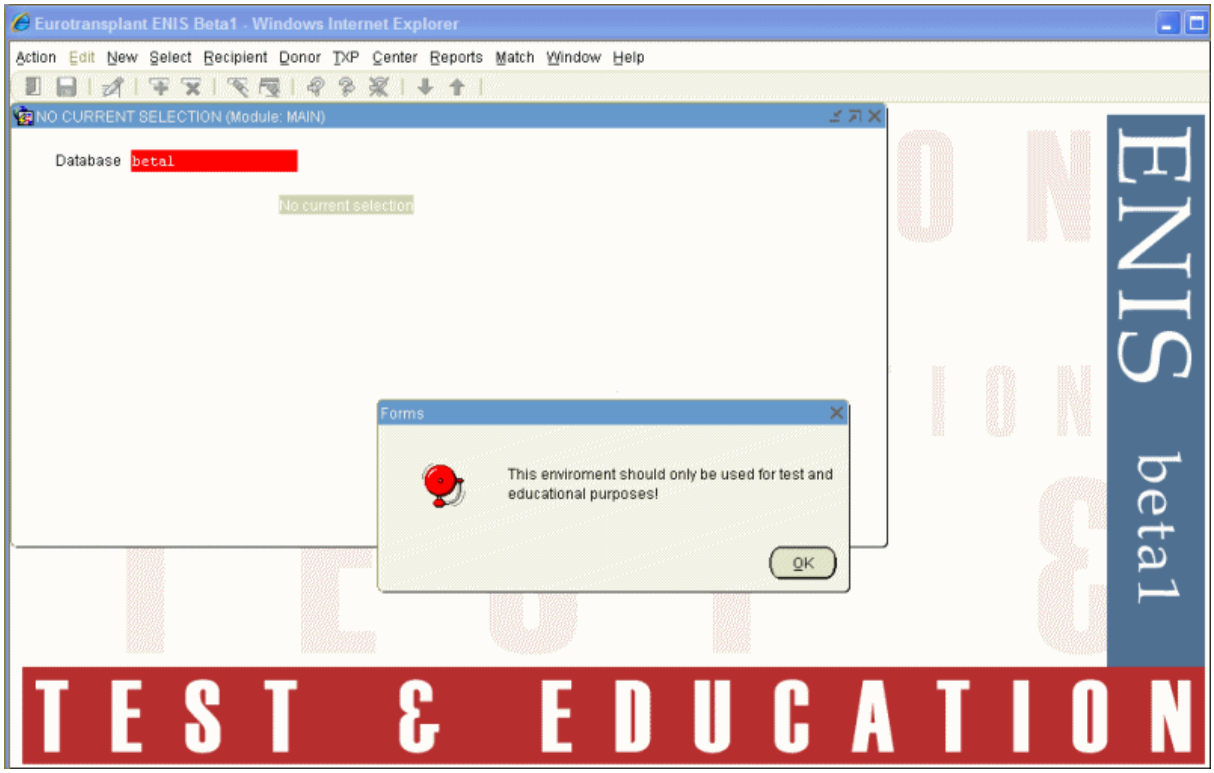
We distinguish three different environments in our system:
1. Production environment
2. Education environment
3. Development environment

Production is the environment where all the daily information is entered and where the matching takes place. All information entered of recipients and centers is used for these matches. Here you must register new recipients and update all information concerning the recipients and your center.
Our education and testing environment (Beta environment) is a scrambled version of our production environment. We use it to test all new changes to the system and to give our in-house education. This is the environment that you can use to train new employees or test new changes.
Our development environment is used to develop all new upgrades and changes of the system by the Eurotransplant IT department.

To make sure users work in the right environment we have tried to separate the types of environment as obvious as possible. The production environment is placed under "Applications" and the Education environment is placed under "Test and Education" on the ET member site. When you log into the Education environment a message appears:



Furthermore the window includes two brightly colored blocks with text in them to warn users and prevent mix-ups.



In paragraph 2.2 How to connect to the ENIS system is described how the application can be started.

1.2 Ongoing changes of the system

The ENIS application is subject to continuous development and improvement.
These changes and upgrades will be released for you to use in pre-announced releases.
Every release is accompanied by an overview of the changes, published on the member site, and the ENIS helpdesk will be available for any questions.
After every release, the manual is updated if applicable.

1.3 Direct connection via Internet

The ENIS application is accessible over the Internet. This means that ENIS is accessible everywhere there is an internet connection. You have to login to the Eurotransplant website: http://www.eurotransplant.org, where you can find the login under the 'Members' submenu in the right top corner of the screen. On the member site, in the left-hand sidebar, there will be a list of applications you will have access to. One of them will be ENIS. Another application that is available over the internet is Donor reports. For description of Donor reports, check 9.5 Donor Reports

You can find the requirements for your PC and lots of more information on the right hand side of the homepage under the menu 'log in/ register'.

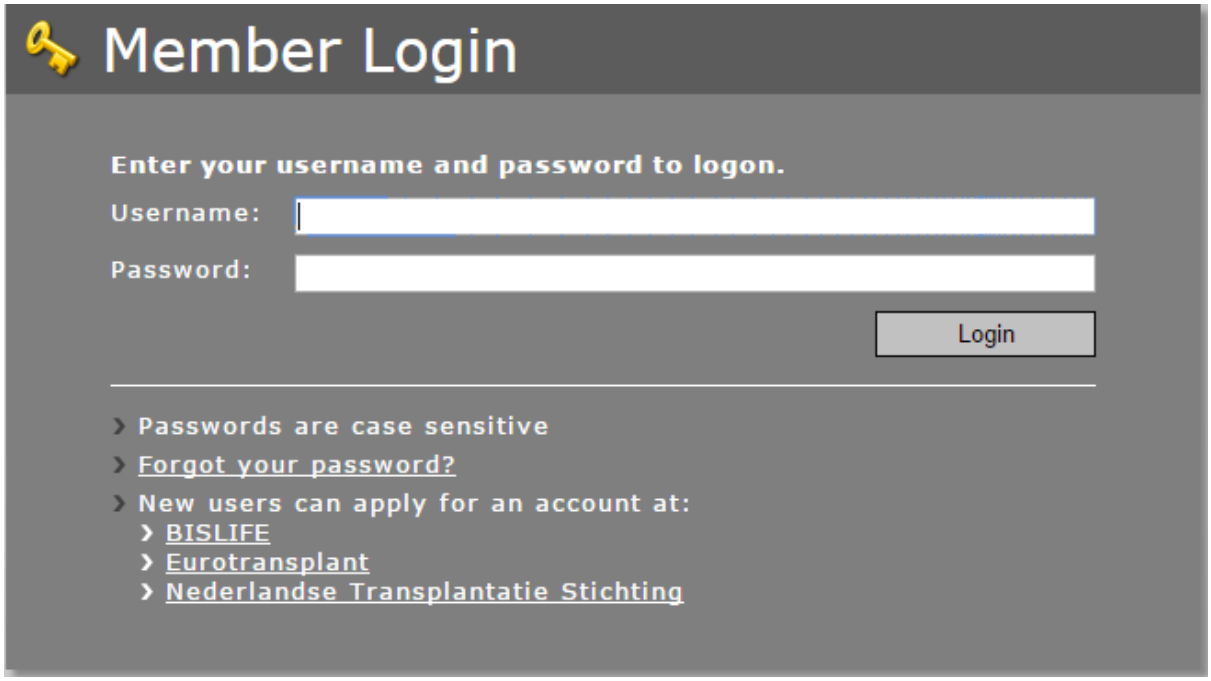
2 How to use the ENIS system

2.1 Getting started

2.1.1 How to request a password

Entry to the ENIS system is protected by personal passwords. If you don't have a password to access our system, you can retrieve a password by registering as a member. Go to the Eurotransplant website (http://www.eurotransplant.org) and select "Membersite Login".

A screen appears where a password and username must be entered.



If you want to apply for an account, select "Eurotransplant" at the bottom of this screen.
A registration form will appear where you can register as a member and gain access to our memberstite..

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Account registration

If you are not yet registered as a Eurotransplant member, you can apply to get a membership account. This account is available for affiliates of the Eurotransplant International Foundation, e.g

- Transplant physicians/surgeons
- Transplant coordinators
- Board and advisory committee members
- Immunologists

If registration fails, please send an e-mail to: accounts@eurotransplant.org or call the Eurotransplant office: +31 715795700

Bold fields are required

Personal data

First name / initials	
Last name	
Title:	
Function	
Hospital / organization	
Centercode	
Department	
City	
Country	
Other country	
Telephone / mobile	
Fax	
Corporate e-mail address	

Your supervisor

Name supervisor	
Corporate e-mail address supervisor	

Applications

General

- ○ Membersite only (no applications needed)
- ○ Membersite and Applications

General Applications (non organ specific)

- ☐ Donor Data
- ☐ Recipient Oriented Extended Allocation
- ☐ Discarded Organs
- ☐ DPA (Belgium/Austria/Netherlands/Luxemburg only)

General Registry Applications

- ☐ Survival Curves
- ☐ Living donor registry (Belgium only)

TT Labs Applications

- ☐ ENIS Immunology and ENIS Lab
- ☐ Crossmatches
- ☐ Kidney Screening

Kidney Applications

- ☐ ENIS Remote Kidney
- ☐ Kidney Follow-up

Liver Applications

- ☐ ENIS Remote Liver
- ☐ MELD
- ☐ MELD Audit (Task List)
- ☐ Liver Follow-up

Pancreas Applications

- ☐ ENIS Remote Pancreas
- ☐ Pancreas Follow-up

Intestine Application

- ☐ ENIS Remote Intestine

Heart Applications

- ☐ ENIS Remote Heart
- ☐ Thoracic Clinical Profile
- ☐ Heart Follow-up

Lung Applications

- ☐ ENIS Remote Lung
- ☐ Thoracic Clinical Profile

Remarks

In this form, next to the basic information such as name, center and function, you have to enter the name and the e-mail adres of your supervisor, as a reference. This must be done to prevent that everyone will get access to our ENIS system

Please mark the applications you want acces to, besides the Eurotransplant website. You can request access to multiple applications at once. A short description of the application can be found when you select “?”

At the end of the form you can see a verification code. Please enter this code.

After entering the information, select Submit. The request is send to the Eurotransplant IT department. If the request is valid, the IT department will provide the username and a password.T the first time you logon the system will ask you to create a new password (minimum length of 6 characters and at least two digits (For example: et2tx4)). With your username you will get access to the member site, where you can find all the applications you are entitled to use. Each 6 months you will be asked to change your password.

To protect the privacy of your recipients and of the donors, we cannot stress enough to be careful with your username and password.

Note: after 6 months of no activity your account will be disabled and 3 months later the disabled accounts will be removed.

2.1.2 How to modify your account

For users with an active account, there is a separate possibility to modify your account. This function can be used if you need additional access to applications. The account modification webpage for existing users can be found in the Helpdesk menu
on the member site
https://members.eurotransplant.org/cms/index.php?page=modifyaccount.
A number a fields are entered automatically, such as your user name, name and corporate e-mail address.

You have to enter the name and the e-mail address of your supervisor, as a reference.

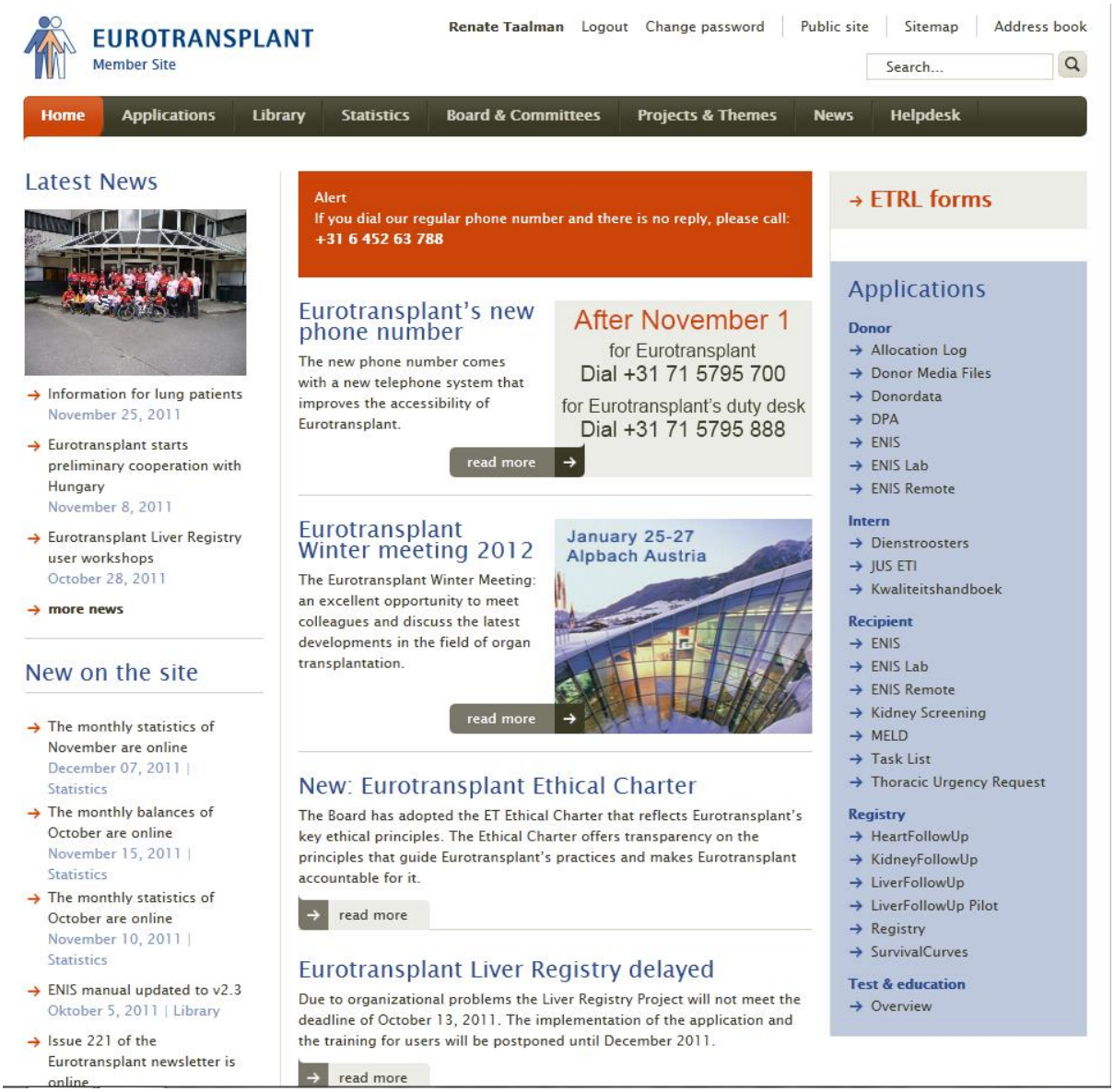
Please mark the applications you want additional access to. You can request access to multiple applications at once. A short description of the application can be found when you select “?”

At the end of the form you can see a verification code. Please enter this code.

After entering the information, select Submit. The request is send to the Eurotransplant IT department. If the request is valid, the IT department will grant you access of the requested applications

2.2 How to connect to the ENIS system

Go to the website of Eurotransplant: www.eurotransplant.org. Click on the Members link. You will now be routed to the screen where username and password must be entered. Enter the username and password provided by the Eurotransplant IT department. Click ‘Login’. Users with rights to enter the ENIS system will see a number of applications on the right side.



Because of the different environments (see 1.1 the Eurotransplant information system) you will find multiple links to ENIS in the list of applications. The production environment of the ENIS system is placed under “Applications”. The test and education environments are placed under “Test & Education”. Here you can find all available education environments. It is recommended to first practice new data entry in the BETA 1 EDUCATION environment. Here you can experiment as much as you like without disturbing the production process.

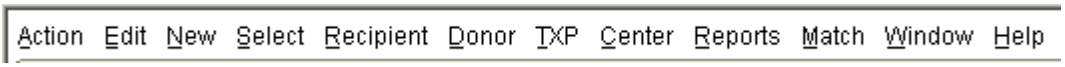
2.3 Screen layout

The ENIS system contains two types of screens. The first type is a screen developed with the Oracle technology, for example all recipient registration screens. .The second type of screens are screens, build with a different technology than the Oracle technology. These screens are “old” (build in former standard technology), such as the Transplant part of ENIS. These screen use the F9 button to complet a search. The main difference between the ”old”and newer screens is the use of different buttons and functions

In the application, there are updatable screens and “read-only” screens. Per screen is described how to enter the information and if information can be changed.

2.3.1 Menu structure ENIS

Moving around the ENIS system is made easy through the use of menus which are displayed at the top of your screen.



Under each of the items, shown in the main menu, a submenu is hidden. By selecting the item, a submenu rolls down.
The following scheme shows the ordering of the menu and submenu's:

Action
- Menu
- Save
- Print
- Exit form
- Exit ENIS

Edit
- Cut
- Copy
- Paste
- Editor
- Insert row
- Delete row
- Clear
  - Clear field
  - Clear row
  - Clear block
  - Clear all
- Duplicate
  - Field
  - Row
- Find
  - Find
  - Enter query
  - Execute query
  - Cancel query
  - Show last criteria
  - Count matching rows
- Go To
  - Next field
  - Next row
  - Next block
  - Previous field
  - Previous row
  - Previous block

New
- Recipient registration

Select
- Recipient
- Donor
- Transplant
- Center

Recipient
- Recipient registration
- Medical
- Organ
  - Kidney
  - Pancreas
  - Liver
  - Heart
  - Lung
  - Intestine
  - Waiting list overview
- Immunological results
  - HLA
  - Antibody screening
    - Register per recipient
    - Register per center
    - Recipients with outdated screening
  - Unacceptable antigens
  - Acceptable antigens
  - Immunological overview
- Status and Events
- Recipient Deceased
- Recipient report
- Pre-waiting list *
- Questionnaires
- Questionnaire report
- Missing heart waiting list
- follow up dates

* Dutch centers only

Donor

Donor registration
Donor organ
Donor HLA
Donor clinical results
Donor report

- Donor Kidney
- Donor Pancreas
- Donor Liver
- Donor Heart
- Donor Lungs
- DonorIntestine
- Donor Kidneys report
- Donor Liver/Pancreas report
- Donor Thorax report

- HLA Registration
- HLA Overview

TXP

New
Update
Immuno Suppression
Organ Information
HLA
Heart follow-up

Center

Center
Center profiles
Center Transplant Capacity Limitations

Reports

Submit Jobs
Monitor Jobs

Help

List of values
Window help
Keyboard help
About

Window

Cascade
Tile horizontally
Tile vertically

2.3.2 Buttons and Function keys

Buttons found under the menu on top of the forms:

The next list shows which buttons play an important role when you work in an ENIS screen:

Save		Clear all	
Exit form		Enter query	
Editor		Execute query	
Insert row		Cancel query	
Delete row		Next row	
Clear row		Previous row	

About the Save button: This button can be used to save changes.
About the Exit form button. This button can be used to exit a screen. If changes were made to the information, the application will ask if the information has to be saved.
About the Editor button: A free text box may contain more characters then you can see on

your screen. By clicking on the Editor Button the complete text will be shown in a separate text box.
About the Insert row button: This button is used to insert a row in screens like Antibody screening per recipient or Unacc. Antigens.
About the Delete row button: This button is used to delete a row in screens like Antibody screening per recipient or Unacc. Antigens. This can not be done if the information is used for a match at Eurotransplant. In that case, a warning will appear.
About the Clear row button: This button empties the row you added. The information entered disappears, but the row still exists, so different information can be entered
About the Clear all button: This button empties an entire screen, so new information can be entered. It does not delete information that has been saved. For example: if you are in the Donor registration screen of donor 1, via the button Clear all, the fields become "empty" and a new donor can be entered.
About the Enter query and Execute query button: the Enter query button empties a screen and turns the screen in a "search" mode. After entry of search criteria, the button "Execute query" completes the search and the requested recipient/ donor is shown. If you are in a specific recipient for example and you want to enter information of a different recipient, put your cursor in the header and click the enter query button. Enter the search criteria of that recipient (ET number) and click Execute query. The requested recipient appears.
Note: this way of searching a recipient or donor is only possible in the recipient or donor screens and can only be used to request 1 specific recipient or donor.

About the Cancel query button: This button cancels a query. If you're in a screen in "search mode, via Cancel query this search screen is closed.
About the Next row button: This button can be used to "walk" through the recipients or donors of your center. Via the next button; you'll go to the next recipient or donor.
About the Previous row button: This button can be used to "walk" through the recipients or donors of your center, via the previous button, you'll go to the previous recipient or donor.

Keys:
When you press Ctrl + F1 a window will pop up with a list of all the available keys and their function. The following keys you will use often:

Save	F10 (see description on previous page)
List of values (LOV)	F9
Enter Query	F7 (see description on previous page)
Execute Query	F8 (see description on previous page)
Next Record	Page down
Previous Record	Page up
Next Field	Tab / Enter
Previous field	Shift + Tab
Exit ENIS	Ctrl + Q

2.3.3 Fields

In each screen you will find fields to enter data. Each field has a name, such as "Name recipient" or "Address". There are different sorts of fields which will be described below. After you have entered data in a field, the system checks if the entered data is of the right type and format. Just numbers in a number field or a date in a date field. If not, a message will inform you about the right format for that field.

In the ENIS system are mandatory fields. These fields must be filled in, because this information is important for the match or registration. An example of a mandatory field is “Date of birth”, which is used to identify a person. These fields are marked in the old screens with the sign > placed at the end of the field. In the new screens the names of the fields are written in red.
Optional fields are not mandatory, but give additional information. When the information is available, please enter the information.

Date fields

These are fields where you have to enter a date in the format ***<dd.mm.yyyy>*** ***(day.month.year)***. The date can be typed as the following example: “***13.12.2014***”.

Time fields

Here you can enter the time in the format ***<minutes> : <seconds>***. For example: ***15:45***

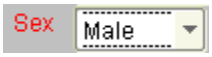
Date and time fields

These are combined fields where you have to enter date and time. There are two ways to do this:

1. Enter date and time by pressing [F9]. A calendar isdisplayed with the current date selected.
   With the buttons on the above left you can select the months and with the buttons on the above right even switch year. Underneath is the current time displayed. With the buttons at the end of the hour and minute field you can select other numbers.
2. Another way is typing the date and time. Example: 23rd of May 2012 09:40, type “***23.05.2014 09:40***”

Coded fields/ Pop-up lists

In these fields you have to select the information you want to enter form a list of possible entries, a “List of Values” (LOV). In the old screens the field has an asterisk (*) placed in front of it to indicate it has an LOV. When the cursor is in that field, press the F9 button and will open the LOV. In the new screens there is an arrow sign behind the field to open the LOV.

A sort LOV is indicated like this: 

A longer list is indicated like this:

You can type a value in this field without using the list. The system will check this entry against the list, and when the entry is not listed it will open the “List of Values” automatically for you to search the right value. When you enter the first few characters of a value, the system will check against the list. When only one value matches, the whole value will be filled in automatically. When multiple options are found, the LOV will show the choices found.

Comment fields or Free text boxes

In these fields you can enter free text for additional information. It is possible to enter both letters and numbers. If you would like to have more overview of your text, use the editor button or Ctrl + E. An editor window will open, to have an overview of the whole text.

2.3.4 Messages and prompts

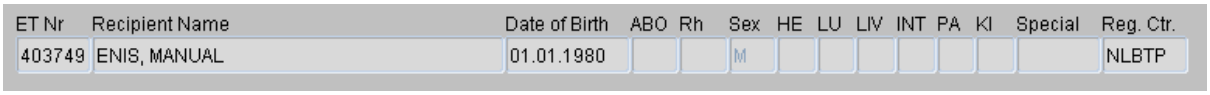
During registration or updating information, it is possible a message or prompt (question) appears on the screen. These messages or promts show missing information or ask a

confirmation prior to saving the information. Please read these messages carefully. If there are any questions, pelas contact the helpdesk at the medical administration

2.3.5 ID Header

At the top of the screen is also a line called ID Header. Information about the recipient or donor you have selected will appear in this ID Header.

This is the header belonging to a recipient, shown in every recipient screen:



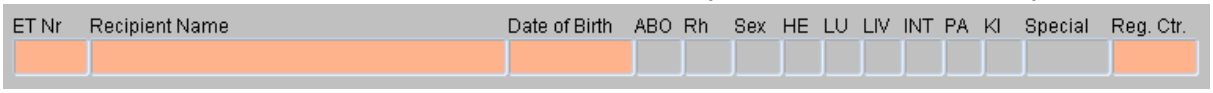
The header makes it possible to see the most important data of a selected recipient and it reflects the urgency codes on the various waiting lists.

The header includes **ET number, Recipient Name, Date of Birth, Blood group and Rhesus factor, Sex, Waiting List Status** and the **Registration Center.**

This is the header displayed for donors:

The header includes **Registration date, Donor Nr, Identity, Donor Type, Center, Blood group and Rhesus factor, Date of Birth, Sex, Weight** and **Height**.
The transplant screens don't have this type of header.

It is not possible to change or delete anything in the headers. You can use the header to search for a recipient or donor. With F7 or "Enter Query" the row becomes query-able.

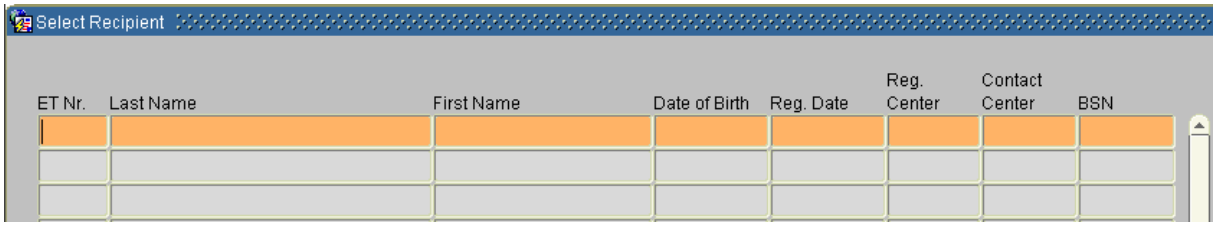


Now you can search on a number of items like ET or Donor Nr, Date of Birth or Center. You can search on all "orange" items. After you filled one or more of these fields, use F8 or "Execute Query" to retrieve the data from the database.
Note: You do not have to use the screens in the submenu 'Select' (See 2.4). By using the ID header to query recipients or donors you can stay in the same screen.

2.4 How to search a recipient, a donor or a transplantation

2.4.1 How to search a recipient

Go to Select – Recipient



A screen will open, where on different items can be searched. The following fields can be found:

ET number:

Every recipient has a unique number for identification. The first field of the selection screens is “ET number”. You must enter at least four digits in this field. If the number is not complete a % (wildcard) has to be added. We call this a ‘partial selection’.

Example: ***08551%*** will retrieve 10 records if all recipients between 085510 and 085519 are registered at your center.

0855% will retrieve 100 records if all recipients between 085500 and 085599 are registered at your center.

Another wildcard which you can use is the _ (underscore). It replaces one number between 0 and 9.

Example: ***24500_*** will retrieve all the recipients with an ET number between 245000 and 245009.

24_ _00 will retrieve all recipients with an ET number between 240000 and 249900.

Name fields:

These are two name fields: “Last Name” and “First Name”. If you know the name, type it in. If the name is not complete a % (wildcard) has to be added. We call this a ‘partial selection’. This wildcard can be added in front, behind or in the middle of some characters you know.

Examples: ***Jon%*** will retrieve ‘Jones’, ‘Jonesy’ and ‘Jonkers’. All last names which start with the first three characters you gave in and end with any number of characters.

%ons will retrieve ‘Buttons’, ‘Brons’ and ‘Filderons’. All last names which end with the three characters you gave in and start with any number of characters.

More specific is searching with underscores (_). An underscore replaces one character. If you are looking for names with a limited number of characters you can use underscores as wildcards.

Examples: ***Jon_ _*** will retrieve ***‘Jones’*** and ***‘Jonda’.*** All last names with five characters, beginning with ‘Jon’.

Jon_s if you do not know if it is spelled ***‘Jones’*** or ***‘Jonas’***,search with the underscore and you will get the names with the different possibilities for that position.

Dates:

In fields like “Date of birth” and “Registration date” a date with the format **<dd.mm.yyyy>** must be entered, for example: ***20.03.1946 (***20th of March 1946).

Center codes:

You can only see the recipients of your own center, unless your center has authorization to see recipient of other centers.

For example: ***BLMTP*** and ***BLETP.***

There are two different kinds of centers:

- Registration centers, where the code ends with ***‘TP’*** like ***BLMTP***
- Contact centers, where the code ends with an organ abbreviation like **BLMKI**, **BLMHE**, **BLMPA**, **BLMLI or BLMLU**.

When the screen opens it is already in query-mode. All fields that can be queried are turned orange. It is possible to search on a combination of all fields. To make the selection as quick as possible enter enough information to identify a unique recipient.

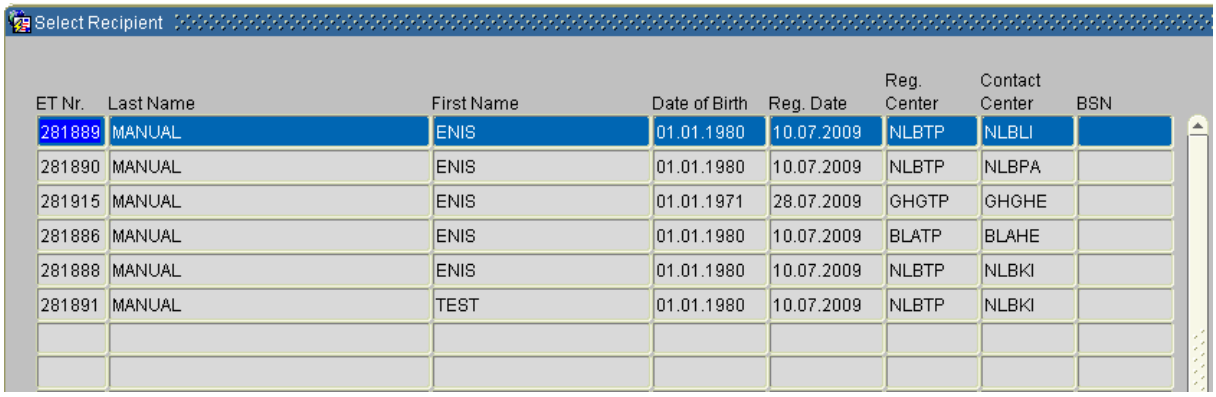
BSN

The BSN number search option is for Dutch centers only. The BSN number can be used to search recipients. Enter the complete BSN number. If the number is not complete, a % (wildcard) can be entered. All recipients of your center with the corresponding part of the BSN number will be shown.

Note: The easiest way to retrieve a recipient, donor or transplant is by entering only the full unique identification number (resp. ET-number, Donor number or Transplant number).

When you have entered the search criteria you start the search by pressing the F8 key or clicking on "Execute Query".

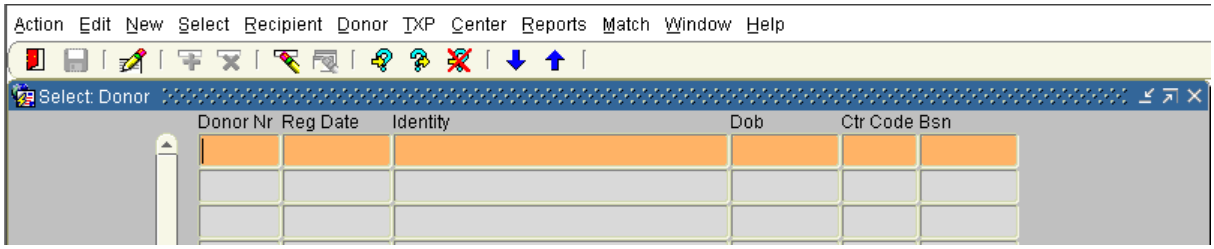
When more than one recipient matching the specification is found, you are presented a list from which you can select the correct one:



Recipients will be displayed ordered by search criteria. For example, if you search on ET Nr. The recipients are ordered on ET number. The first record is highlighted. With the key-down and key-up buttons you can search for the one you need. If the selection returned a lot of records you can scroll with the scrollbar and select the record by clicking on it.

2.4.2 How to search a donor

Go to Select – Donor



A screen will open, where on different items can be searched. The following fields can be found:

Unique Donor number:

Every donor has a unique number for identification. The first field of the selection screen is "Donor number". You must enter at least four digits in this field. If the number is not complete a % (wildcard) has to be added. We call this a 'partial selection'.

Example: ***12345%*** will retrieve 10 records if all recipients between 123450 and 123459 are registered at your center.

1234% will retrieve 100 records if all recipients between 123400 and 123499 are registered at your center.

Another wildcard which you can use is the _ (underscore). It replaces one number for any

between 0 and 9.
Note: The easiest way to retrieve a donor is by entering only the full unique donor number.

Reg Date

You can search a donor via the date the donor was registered. Enter the date with format dd.mm.yyyy and a % sign. All donor registered on this date from your center will be shown

Identity (Name) fields:

There is a field named “Identity”. This is a field where the name of the donor can be entered. If you know the name simply type it in. If the name is not complete a % (wildcard) has to be added. We call this a ‘partial selection’. This wildcard can be added in front, behind or in the middle of some characters you know.

Examples: ***Jon%*** will retrieve ‘Jones’, ‘Jonesy’ and ‘Jonkers’. All last names which start with these first three characters and end with any number of characters.

%ons will retrieve ‘Buttons’, ‘Brons’ and ‘Filderons’. All last names which end with these three characters and start with any number of characters.

More specific is searching with underscores (_). An underscore replaces one character (or number in number fields). If you are looking for names with a limited number of characters you can use underscores as wildcards.

Examples: ***Jon_ _*** will retrieve ***‘Jones’*** and ***‘Jonda’.*** All last names with five characters, beginning with ‘Jon’.

Jon_s if you do not know if it is spelled ***‘Jones’*** or ***‘Jonas’***, search with the underscore and you will get the names with the different possibilities for that position.

Date of birth:

In the field “Date of birth”, a date with the format **dd.mm.yyyy** must be entered, for example: **20.03.1946** (20th of March 1946).

Center codes

You can only see the donors of your own center, unless your center has authorization to see the donors reported by other centers, for example: ***BLMTP*** and ***BLETP.***
Enter the code that ends with ‘TP’ like BLMTP. When the screen opens it is already in search-mode. All fields that can be used for search are turned “orange”. It is possible to search on a combination of all fields. To make the selection as quick as possible enter enough information to identify a unique recipient.

BSN

The BSN number search option is for Dutch centers only. This BSN number can be used to search donors. Enter the complete BSN number. If the number is not complete, a % (wildcard) can be entered. All donors of your center with the corresponding part of the BSN number will be shown.

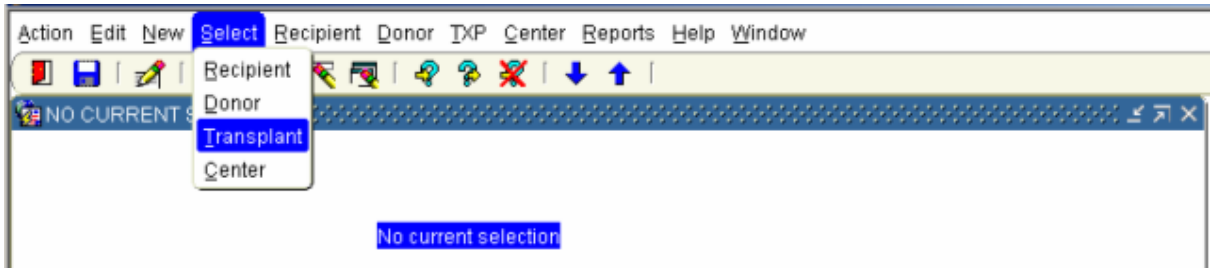
When you have entered the search criteria you start the search by pressing the F8 key or clicking on “Execute Query”. .

When more than one donor matching the specification is found, you are presented a list from which you can select the correct one:

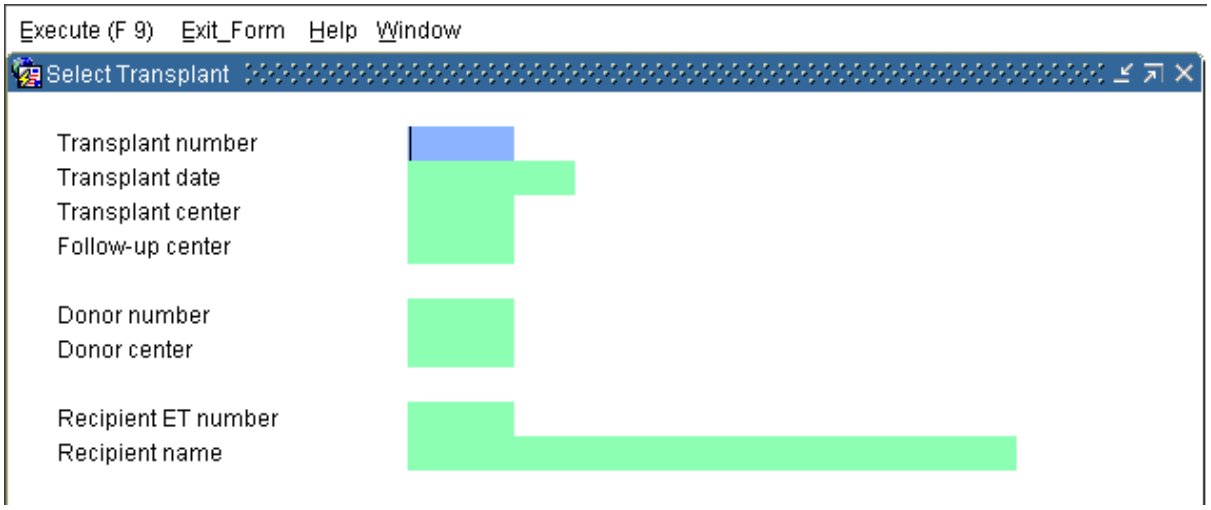
Donors will be displayed ordered by Donor number. With the key-down and key-up buttons you can search for the one you need. If the selection returned a lot of records you can scroll with the scrollbar and select the record by clicking on it.

2.4.3 How to search a transplantation

Go to Select – Transplant



The following screen appears:



In this screen can be searched on different items. The following fields can be found:

Transplant, Recipient or Donor number

Every transplant has a unique number for identification. The first field of the selection

screens is “Transplant number”. The transplant can also be found by entering the donor number or recipient number.
You must enter at least four digits in this field. If the number is not complete a % (wildcard) has to be added. We call this a ‘partial selection’.

Example: ***17551%*** will retrieve10 records if transplants between 175510 and 175519 were registered at your center.

1755% will retrieve 100 records if transplants between 175500 and 175599 registered at your center.

Another wildcard which you can use is the _ (underscore). It replaces one number for any between 0 and 9.

Example: ***12541_*** will retrieve transplants with an ET number between125410 and 125419, if registered in your center.

12_ _00 will retrieve all recipients with an ET number between 120000 and 129900.

Name fields:

There is a field named “Recipient name”. If you know the name simply type it in. If the name is not complete a % (wildcard) has to be added. We call this a ‘partial selection’. This wildcard can be added in front, behind or in the middle of some characters you know.

Examples: ***Jon%*** will retrieve ‘Jones’, ‘Jonesy’ and ‘Jonkers’. All last number names which start with the first three characters you gave in and end with any number of characters.

%ons will retrieve ‘Buttons’, ‘Brons’ and ‘Filderons’. All last names which end with the three characters you gave in and start with any number of characters.

More specific is searching with underscores (_). An underscore replaces one character (or number in number fields). If you are looking for names with a limited number of characters you can use underscores as wildcards.

Examples: ***Jon_ _*** will retrieve ***‘Jones’*** and ***‘Jonda’.*** All last names with five characters, beginning with ‘Jon’.

Jon_s if you do not know if it is spelled ***‘Jones’*** or ***‘Jonas’***, search with the underscore and you will get the names with the different possibilities for that position.

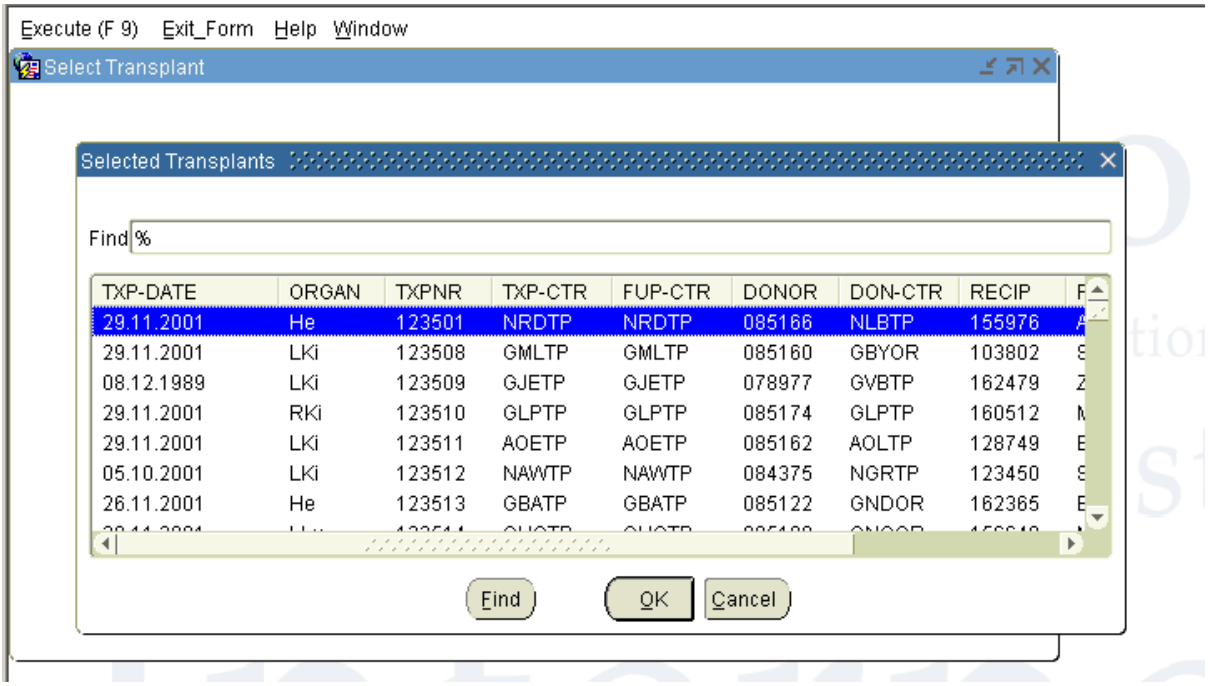
Transplant Date:

In the field Transplant date a date with the format **<dd.mm.yyyy>** must be entered, for example: ***20.03.1946*** (20th of March 1946).

Center codes

You can only see the transplants of your own center, unless your center has access to transplants of multiple centers.
For example: ***BLMTP*** and ***BLETP.*** Always enter the code that ends with ‘TP’ like BLMTP
When the screen opens it is already in query-mode. It is possible to search on a combination of all fields. To make the selection as quick as possible enter enough information to identify a unique transplant.
Note: The easiest way to retrieve a transplant is by entering only the full unique Transplant number.

When you are ready entering the search criteria you start the search by pressing the F9 key. When more than one transplant matching the specification is found, you are presented a list from which you can select the correct one:



Transplants will be displayed ordered by transplant number. With the key-down and key-up buttons you can search for the one you need. If the selection returned a lot of records you can scroll with the scrollbar and select the record by clicking on it and than select “Ok”.

2.5 Switching between recipient, donor and transplants

In the system relations between recipients, donors and transplants are stored. So when you’re looking at recipient data you can easily move to the linked transplant data or information about the donor (if a transplant occurred off course) or vice versa.
An example:
You look at the Recipient Organ screen and you see that the urgency code is “FU” (transplanted). To see information about the transplant, you perform the next action: Select Txp – Update. Now the transplant selection screen is displayed and the recipient number is already filled. Click on “Execute” or press F9, to confirm this pre-selection. If there is more than one transplant for this recipient, you may choose from a list.
The transplant/update screen with information about the related transplant will be shown.

2.6 How to exit the ENIS system.

You should finish your session with the ENIS system as follows:

- Save your changes.
- There are three ways to save information:
    1. Click on the “save” button
    2. Use the F10 key
- Via the menu: Action – Save
- Close the window which displays the ENIS application: Action – Exit ENIS.
- Close the window which displays the member site: File – Exit.

3 Recipient registration and update

3.1 Registration of a new recipient

The registration of a recipient is done via a registration wizard. This wizard will lead you step by step through the registration screens. When the first screen is entered and the information is saved, the registration wizard appears at the bottom of the screen with a 'Previous' and a 'Next' button. Also is shown how many screens can be entered and what the next screen in the wizard is.

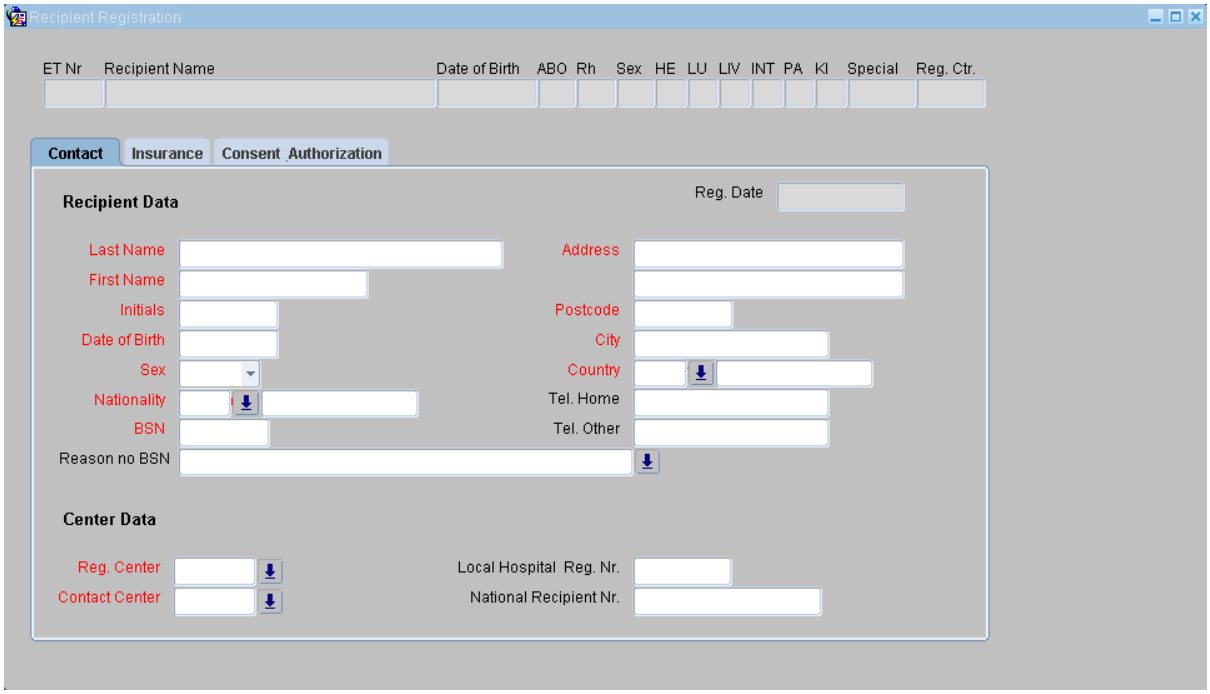
The screens in the wizard are:

- Choose Organs (Waiting lists)
- Medical
- Entry of HLA
- Antibody Screening per recipient
- Unacceptable Antigens (only if Specificities are entered in the Antibody screen)
- Organ screen(s) (including recipient specific donor profile)
- Heart Follow Up screen (for heart recipients only)
- Thoracic Urgency request application (Option for Lung recipients only)

All screens can also be accessed via the individual submenus, described in text with the individual screens. For the description of the menu structure and submenus, see 2.3.1 Menu structure ENIS.

3.1.1 Recipient registration

If you want to register a new recipient, select: New – Recipient Registration



The recipient screen appears. This screen contains three tab pages. The screens opens with the first tab page "Contact". The field 'Registration Date' (Reg. Date) is automatically filled. You can "jump" through the fields by using the Tab key. The red fields are mandatory; these

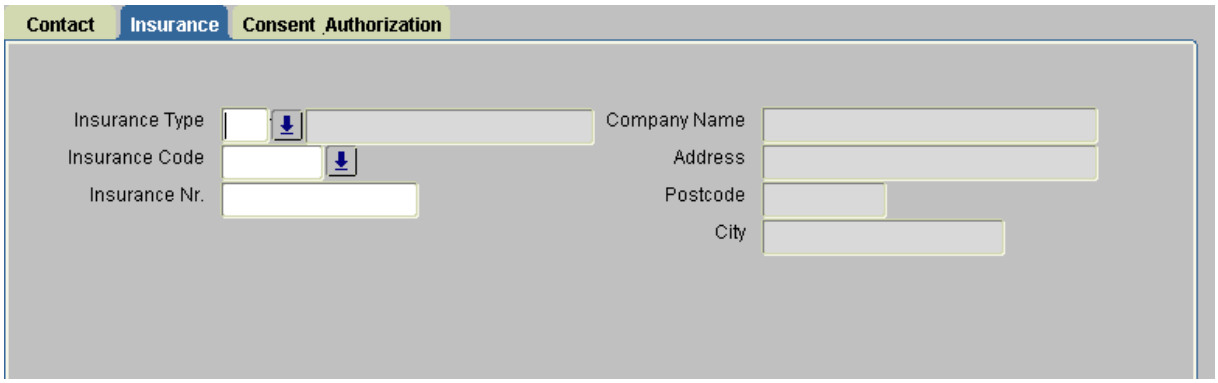
must be entered to retrieve a Recipient number (ET Nr). If the other information is available, please enter this information.
The fields ‘BSN’ is mandatory for **Dutch** recipients only. If the BSN is not known, the ‘Reason no BSN’ is mandatory.

Note: the country of residence must be entered in the field “Country”, not the country of the registration center.

Use for ‘Registration Center’ (Reg. Center) the ‘TP-code’ (You can use the arrow or F9 for the list of centers).
Use for ‘Contact Center’ a center code with an organ abbreviation (You can use the arrow or F9 for the list of centers). For example: XXXKI or XXXHE
Enter all information.

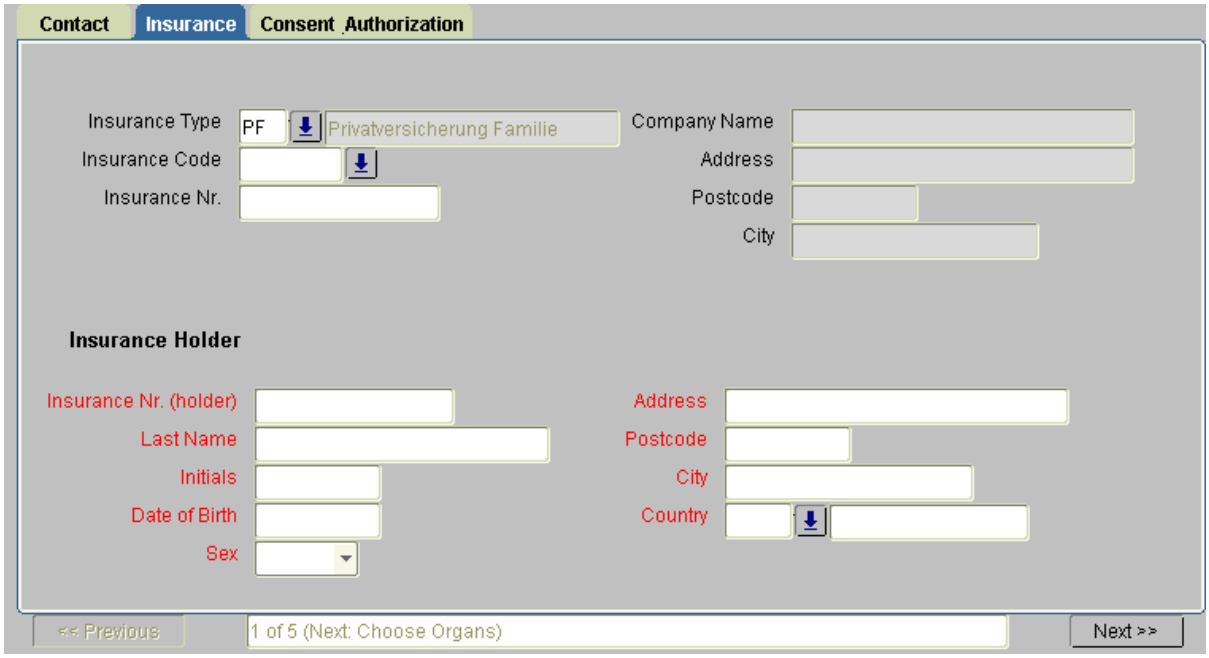
Gor recipients from Germany, the Netherlands and Hungary, go to the second tab page: Insurance.
For the other countries, go to the tab page Consent & Authorization

Insurance.

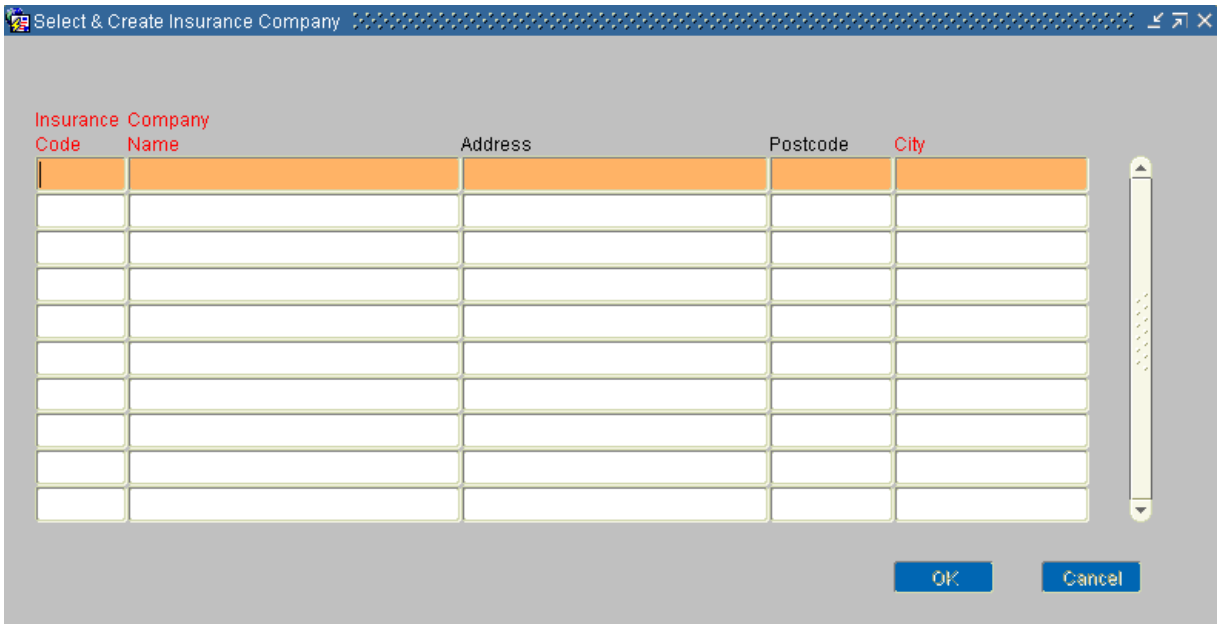


For Hungarian recipients, only enter the Insurance Nr.

For German and Dutch recipient ‘Insurance Type’ is a mandatory field. It depends on the insurance type, if the other fields must be entered also.
Note for the German centers: if the Insurance Type is KF, PF or RF, the part of the screen named ‘Insurance Holder’ becomes available and has to be entered.

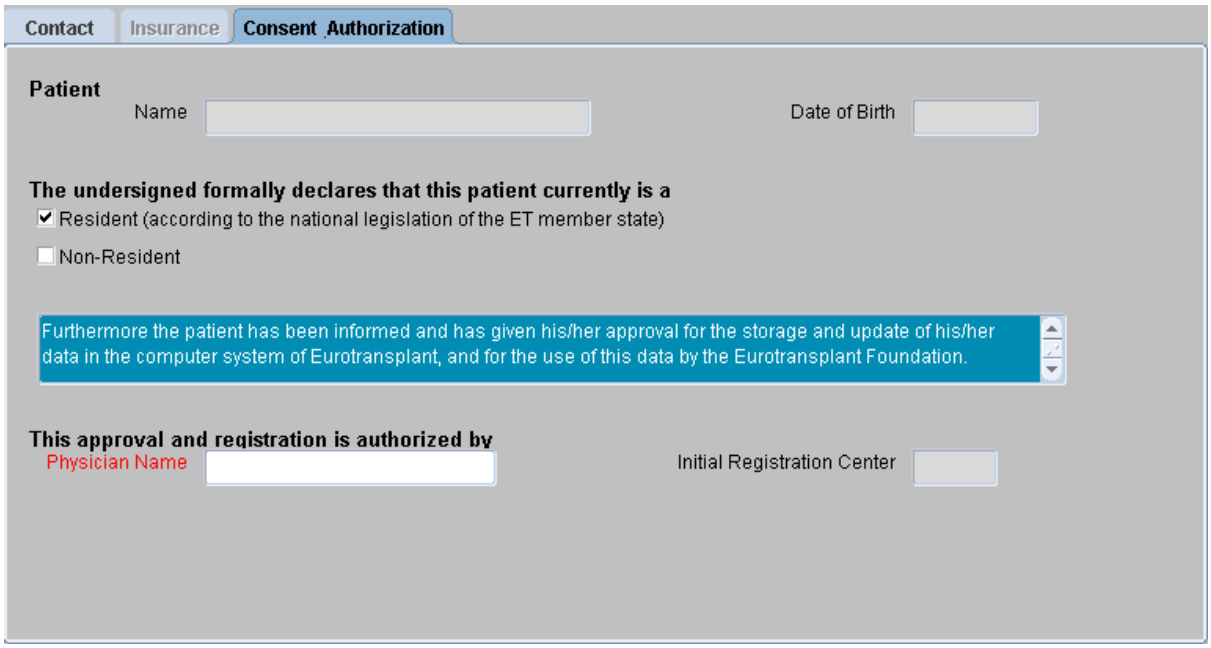


If you want to search an 'Insurance Code', use the arrow behind the field. The following pop-up is shown:



The pop-up opens in search mode. All the fields can be used for searching. There are several ways to search the insurance code you need. E.g. fill out City and use F8: all the insurance codes in the city are shown. Search again (if necessary) with F7. If you only know a partial item, e.g. the first two numbers of the Insurance Code: type the numbers in with % (e.g. 12%) en use F8. Now all the insurance codes starting with these two numbers are shown.
If you have found the correct insurance code, select the line by clicking it with the cursor and click OK. You will return automatically to the insurance screen and the insurance code is entered. If you want to return without selecting an insurance code, click Cancel.
Note: it is only possible to select an existing insurance company and not to enter a new one.If the insurance company you want to enter is not in the list or you have other questions concerning the insuranace, please contact the Finance department of Eurotransplant.

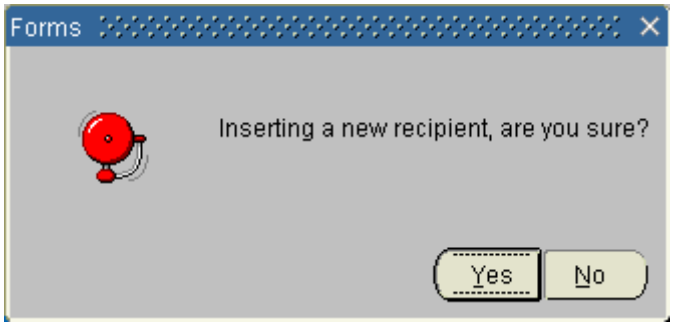
Enter all information and go to the third tab page: Consent & Authorization.



The residence or non-residence status of the recipient must be registered in this screen. Whether the recipient is non-resident or resident, depends on the data registered in the tab page Contact and will be shown in the screen. In the match the residency status of the recipient is used (see ET Manual Chapter 2.1.5 Non-resident patients).
Note: the resident status cannot be changed after initial registration! In case the current resident status in ENIS and the actual resident status of the recipient differ, please contact Eurotransplant.

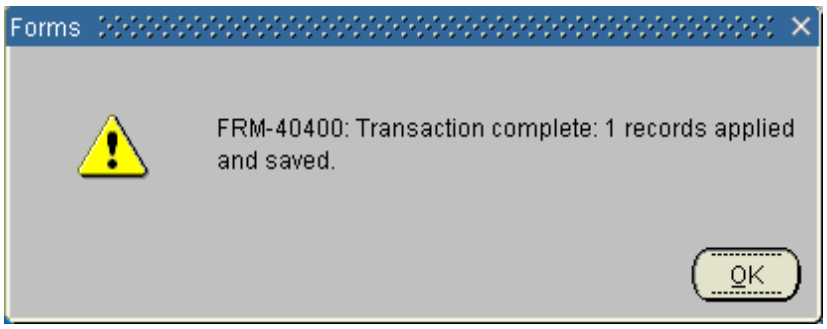
The screen contains an official consent & authorization statement where the user has to confirm the physician in charge got consent from the recipient for data processing, by stating the name of the physician in charge in this form (‘Physician Name’).
Note: it is not possible the change the name of the Physisian who authorized the registration. Please check if the name is correct before you save the information

When all information is entered click F10 or the disk to save the information. The following message appears:

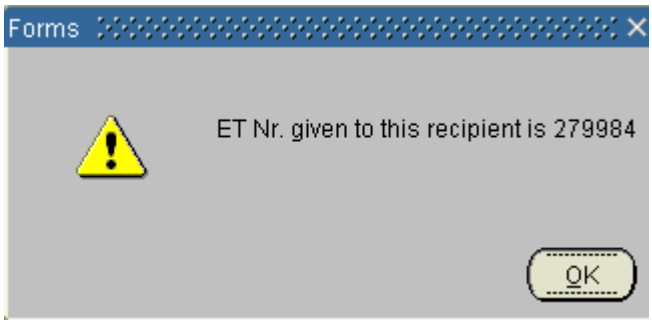


Select ‘Yes’ if all information is entered correctly. If not, please select ‘No’ and correct the information.

After ‘Yes’, a message will appear that all information is saved:

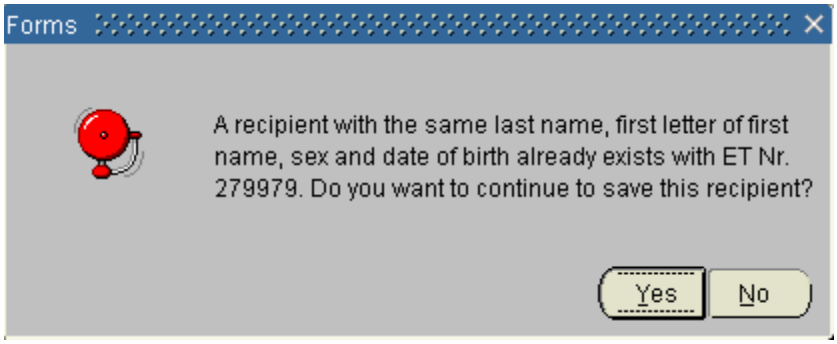


Select ‘OK’. The following message confirms the entry of the data and gives the ET-number:



Select ‘OK’. Now the registration wizard appears at the bottom of the screen. By using the Next button the screen appears where the organ(s) has/have to be chosen.

Note: It is possible that a recipient with the same last name, first letter of first name, sex and date of birth already exists in ENIS.
The following message appears:

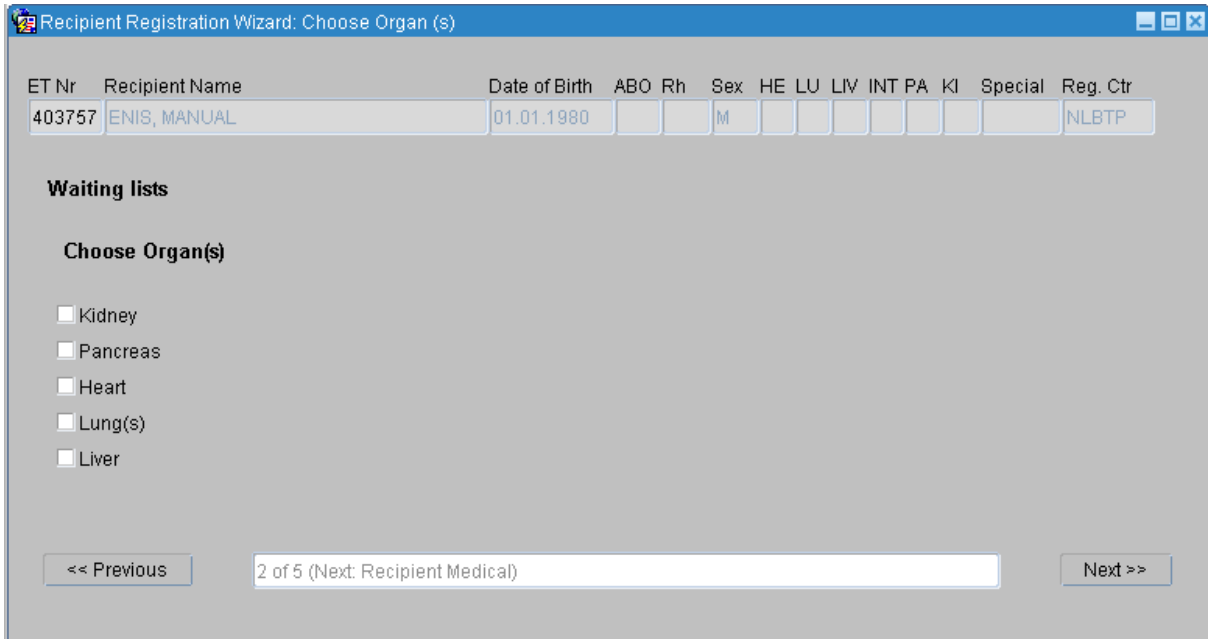


In this case: please select No and contact Eurotransplant. They can check the data in ENIS to verify that not the same recipient is registered twice in ENIS.

If you are certain all recipient information is correct and there is no double entry of a recipient, select “Yes”. The recipient will receive an ET number and you will be able to continue the registration

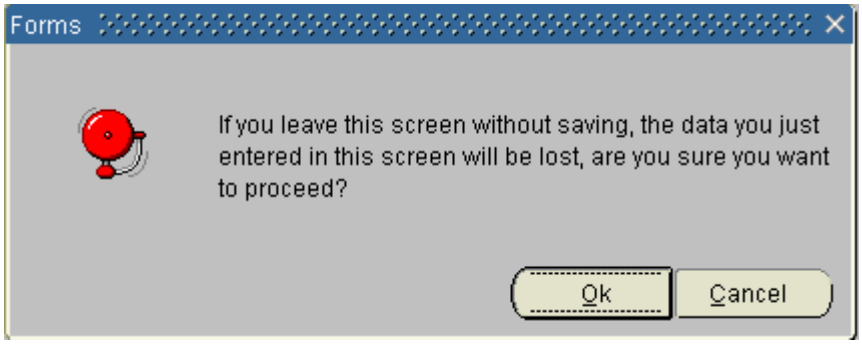
3.1.2 Choose organ (s)/ Waiting lists

This screen is used to register the recipient on the waiting lists for the individual organs.



Select the organ by checking the box in front of it. You can select multiple organs at the same time, if the recipient needs a combined transplantation. When the recipient is only awaiting an intestine transplantation, no organ must to be chosen. (See 3.1.13 for Intestine registration)
Depending on the organ(s) chosen, the number of screens in the recipient registration wizard is altered.

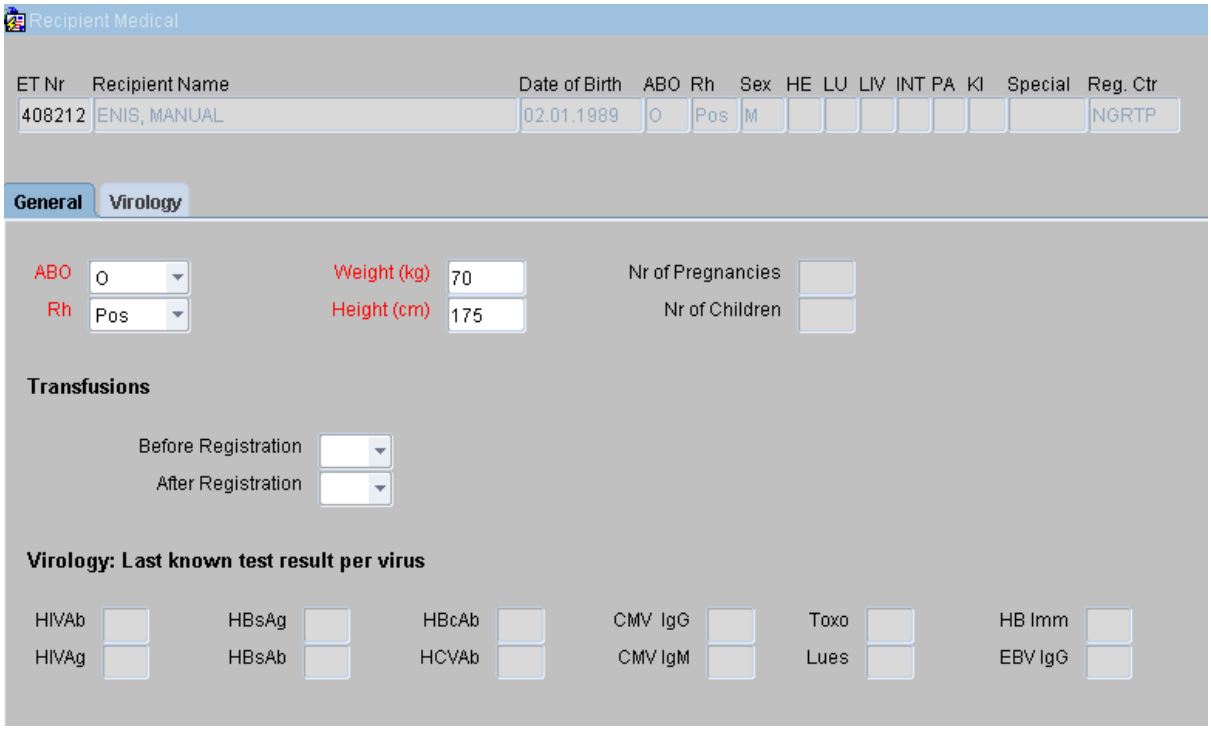
It is not necessary to use F10 or the save button to save the data. By using the 'Next' button the data is automatically saved to the database. You'll go to the next screen in the wizard "Medical".
Note: when you use the Previous button and you want to save the information, use F10 of the save button to save your data. Otherwise the data entered in that screen will be lost. The following message occurs:



Select 'OK' if you want to go back without saving the information. Choose 'Cancel' if you want to save your data.

3.1.3 Medical screen

This screen is used to register the blood group and virology of the recipient, as well as height and weight.



The screen contains two tab pages: “General” and “Virology”.

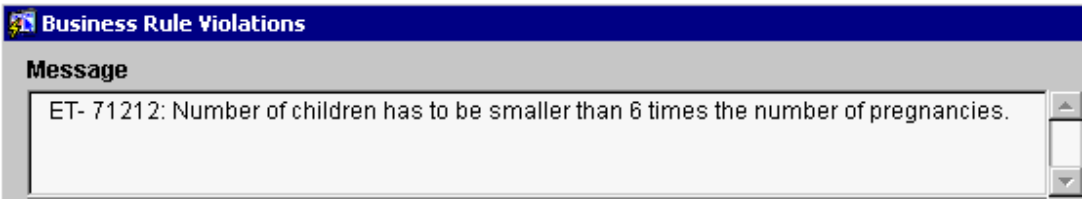
General

On this screen the recipient’s blood group (‘ABO’ and ‘Rh’, Rhesus), weight, and height have to be entered, these are the mandatory items.

Note: when a Thoracic HU or LAS request is send via TUR the height and weight of the recipient must be entered in the request. If the height and weight entered in the request differs from the values in ENIS, the height and weight in ENIS are updated automatically.

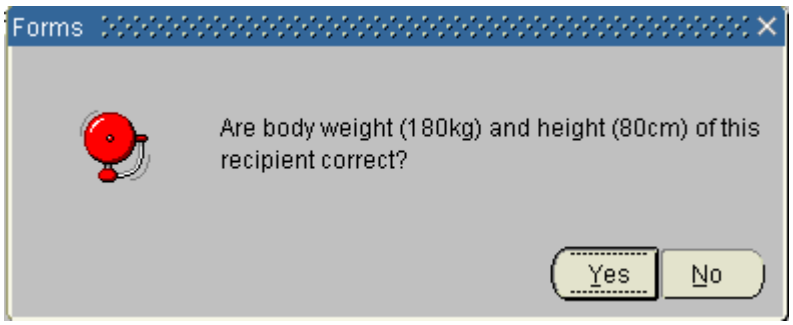
In case of a female recipient the number of pregnancies and children can be entered. Enter the number of Pregnancies (live births, still births and spontaneous abortions) and the number of children (live births only).

If the ratio of pregnancies to live births is greater than one in six (sextuplet), the next prompt is given:



E.g. when Nr of Pregnancies is two, Nr of Children cannot be more than 12.
You can register the transfusions before the first registration of the recipient on a waiting list and the transfusions after registration via the LOV (No/Yes).

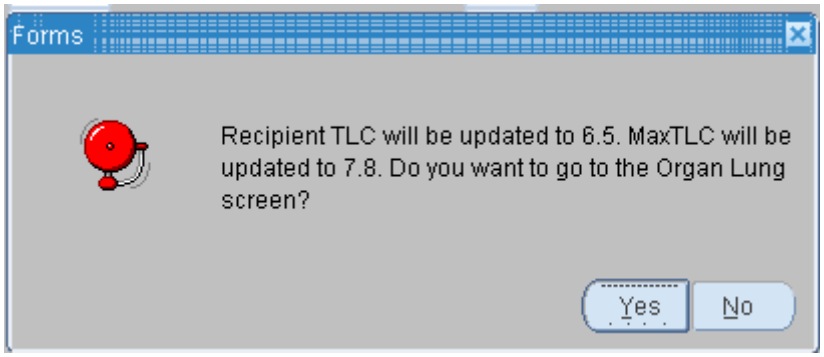
In order to avoid mistakes on the entry of weight and height of a recipient, a simple check has been implemented. If the Body Mass Index [i.e. BMI = Weight (Kg) / Height (m)2] is out of proportion, the next warning is given (depending on the entered data):



Select ‘Yes’ if the entered information is correct. Select ‘No’ if the information needs to be corrected.

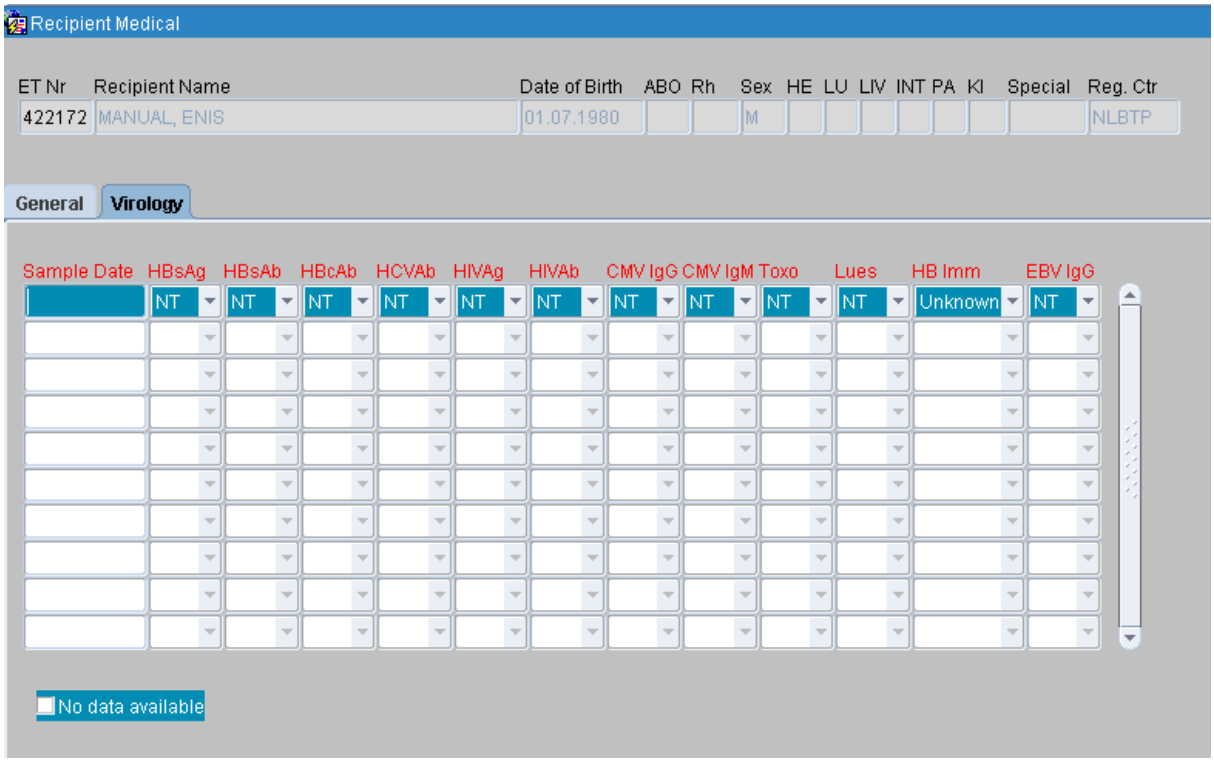
The most recent entered virology results are shown on this screen. You can not enter results here; this can be done on the next tab page “Virology”.

Note: when the length of a registered lung recipient is altered, the recipient TLC will be updated. The following pop-up will appear:



Virology

In this screen the results of the virology tests can be entered.

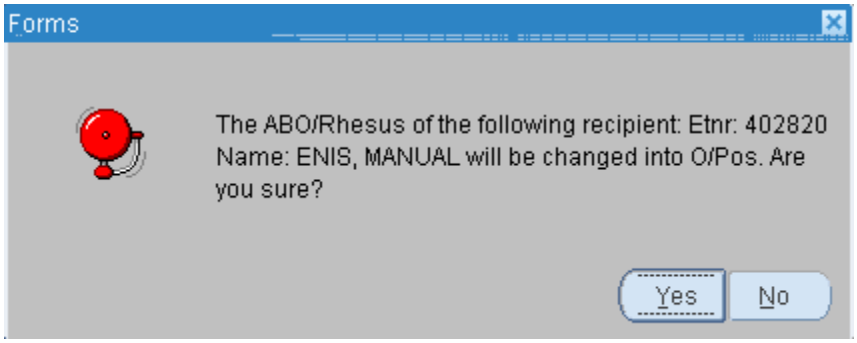


Enter the “Sample Date” first. Enter the results of the virology test via the LOV or arrow (Pos/ Neg/ NT). Typing the first one or two characters is enough to fill the fields. All fields are default filled with “NT”.

You can also enter whether the recipient is HB immunized or not (Yes/ No/ Unknown). The data with the most recent Sample Date is shown on the General tab page (except the EBV) It is not possible to delete any rows in this screen.

When you register a new recipient Virology **must** be entered before you can put the recipient on a active status on the waiting list!
If the virology data is not available at time of registration, please mark the checkbox ‘No data available” and enter the data when available.The marking of the checkbox insures you can continue the registration of the recipient

By using the Next button the following prompt appears (depending on the entered data):



Select ‘Yes’ if the entered information is correct. Select ‘No’ if the information needs to be corrected. Click “Next” for the next screen in the wizard, the HLA screen.

3.1.4 Entering HLA typing

This screen makes it possible to enter lab test data and the HLA antigens that were found. Furthermore, this screen is used for creation of a reduced match phenotype from the registered HLA antigens.
For all recipients on the kidney waiting list a Human Leukocyte Antigens (HLA) typing is required. It is optional for recipients on other waiting lists. If you don’t want to enter an HLA typing you can use the Next button.
Note: A recipient registered on the kidney waiting list stays in the waiting room and is not active on the kidney waiting list, until a valid HLA typing is registered and the full and reduced match phenotypes have been deduced!

The screen contains two tab pages: “Lab. Results” and “Antigens”, in order to create a full match phenotype

Lab. Results

The test data can be entered and the history is shown. Three rows with entered test data are visible and the scroll bar makes it possible to scroll to older lab results if present. The first row presented is the most recent insert. The red fields are mandatory.

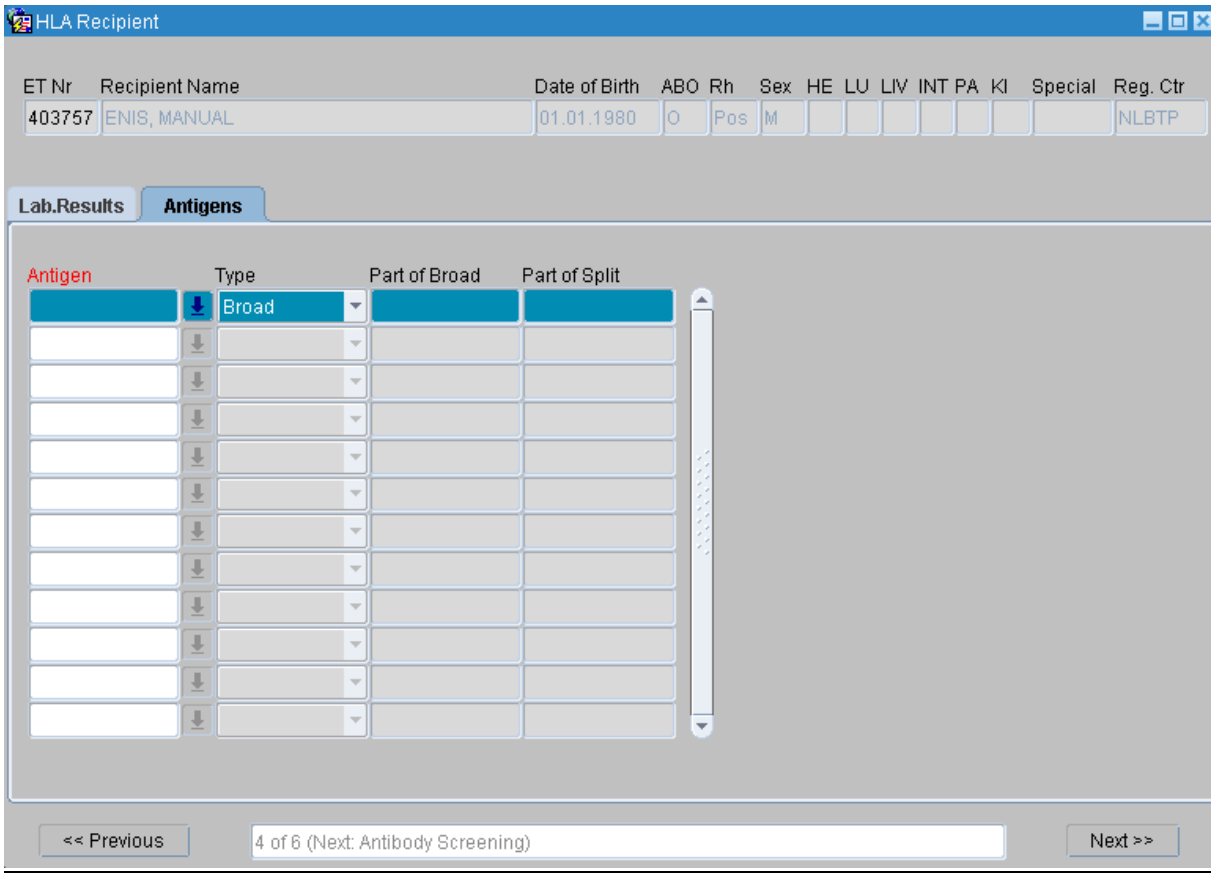
The field ‘Entry Date’ is default filled with date and time of entry and cannot be changed. Enter the code of the laboratory that determined the HLA typing in the field ‘”Code”. Choose F9 or the arrow to select a laboratory. It is only possible to use the center codes ending on ‘TT’ (e.g. NLBTT). The field “Sample Date” is the date the test sample was collected.

Enter an ‘ABC, DR and/ or DQ Typing Technique’ via the LOV or arrow and check the checkboxes in front of the technique. You can choose DNA or Serology as typing technique. The checkboxes before every typing technique field is used for creating the match phenotype later on in the procedure. By selecting the technique for an antigen in group ‘ABC’, ‘DR’ and/ or ‘DQ’, you make it possible to register the antigens of this specific antigen group in the tab page Antigens.
Note: When you enter the Lab. Results for the first time, it is mandatory to register the ABC Typing Technique and the DR Typing Technique.

You can use the ‘Comments’ field for comments per lab result.
The checkbox ‘Used for Phenotyping’ means the HLA typing has been used for Phenotyping and these results cannot be changed.

Antigens

In this tab page you can enter the antigens.

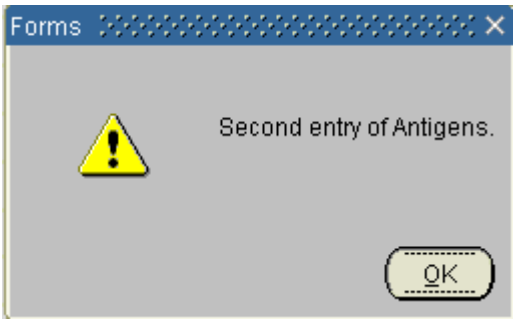


You can enter Antigens by using F9 or the arrow or type them in directly. It is also possible to fill in the first character, e.g. A, click “Enter” and the list of antigens will appear.

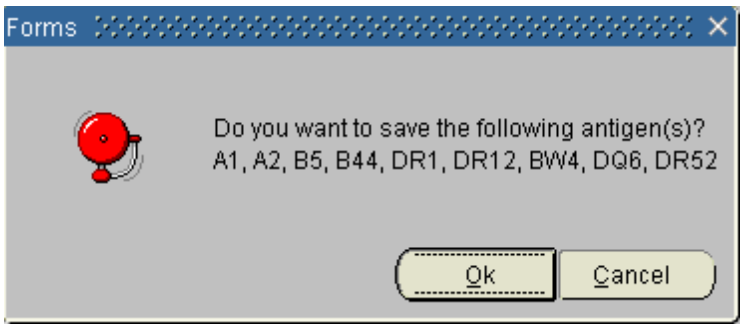
When you enter an allele or a split, the corresponding split (if applicable) and broad on higher level is automatically selected, shown on the right side of the inserted antigen and included in the HLA.

Note: when you have chosen a Typing Technique for e.g. DQ and you go to the tab page Antigens, you have to enter at least one DQ-antigen. If you realize at that moment that you made a mistake and don’t want to insert any DQ antigens:go back to the tab page Lab. Results and empty the typing technique for the DQ antigens..

After you entered your set of antigens, save via F10 or the disk. The following message appears:

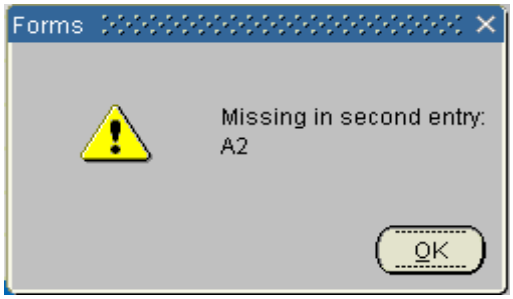


In order to make sure the antigens are typed in correctly, you have to enter the same set of antigens for the second time and save. When you save the second set the following message appears (depending on the entered data):

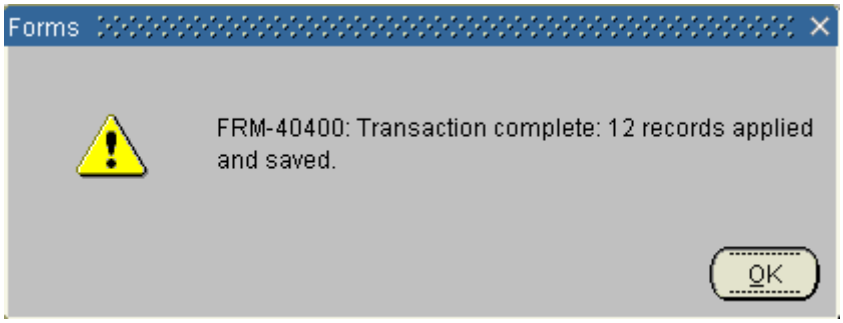


When you do not want to save this set of antigens, use the ‘Cancel’ button. This will bring you back to the first set of antigens in order to make changes. ‘Ok’ will save the set and you can return to the Lab. Results tab page.
If the first and second set of antigens is not identical the system will give a message when you save the second set (depending on the entered data):

or

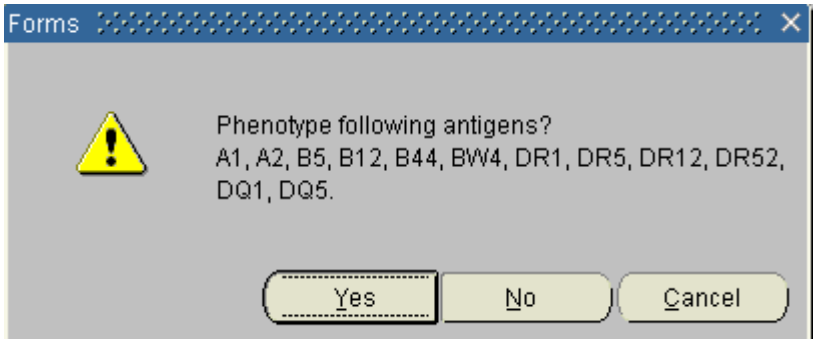


The system will return to the first entry. Save via F10 or the disk and you have to do the second entry again. When the first en second set are entered correctly, the following message appears (depending on the entered data):



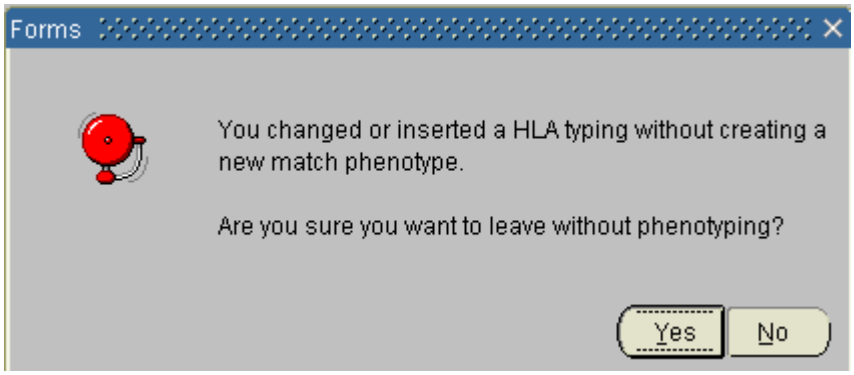
Choose ‘OK’ and you can return to the Lab. Results tab page. The field ‘Antigens’ is now filled with the just entered antigens. This field is display only (so no data can be changed or entered in this field).

After entering the antigens, click the button ‘Create Match Phenotype’. The following message appears:



Choose 'Yes' if you want to phenotype, choose 'No' or 'Cancel' if you don't want to phenotype these antigens. You can change the antigens.
After you selected "Yes", the fields 'Full Match Phenotype' and 'Reduced Match Phenotype' are now filled with the phenotype you have selected. These fields are not updatable.
Note: It is not possible to update or delete the lab result data and the corresponding HLA antigens after the HLA typing is used for phenotyping. This is shown by the last checkbox 'Used for phenotyping'.

When you want to leave the screen without phenotyping, the following message appears:



It also appears when you will leave the screen without phenotyping after you added or removed antigens. Choose 'Yes' if you don't want to phenotype. This means (after the first entry) the recipient will not proceed in a match or (after a change in the HLA typing) possibly the wrong antigens are now used for matching. Choose 'No' if you want to phenotype first, before leaving this screen.

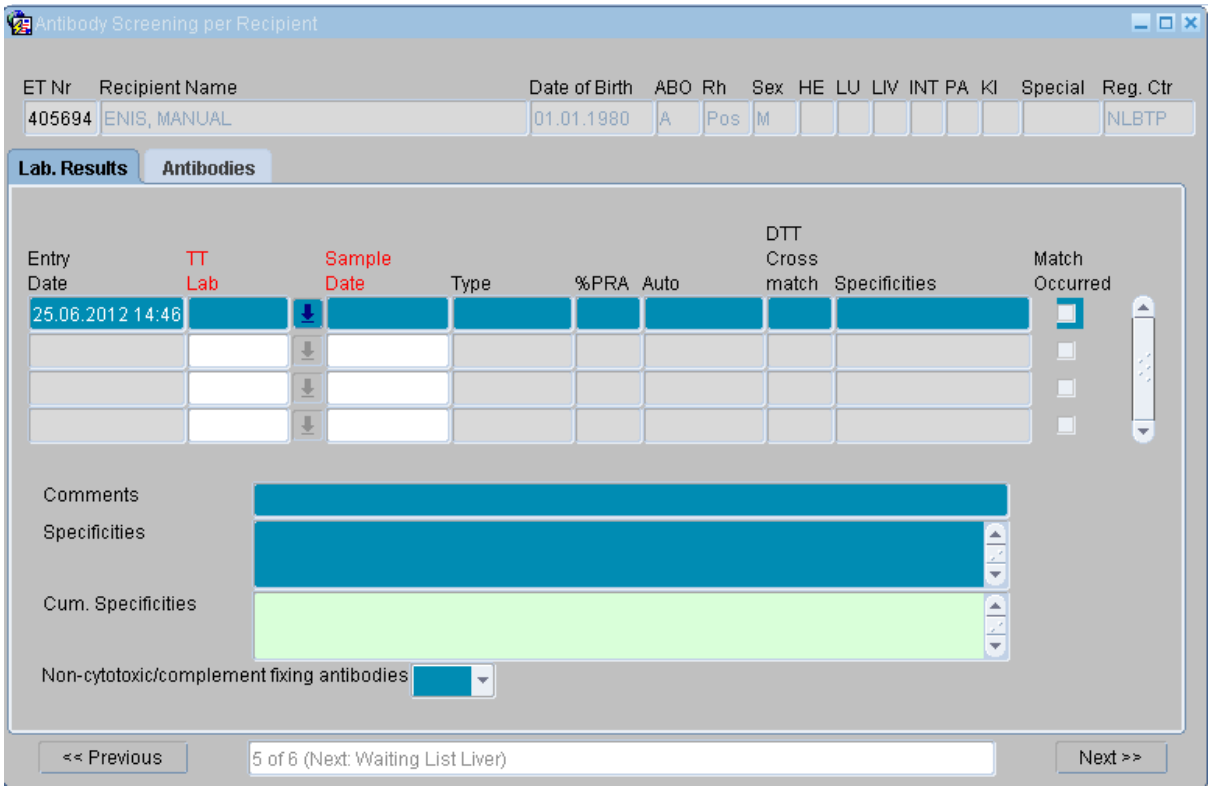
Note:

- ✓ It is not possible to enter an antigen that is also in the recipient's unacceptable antigens
- ✓ You have to enter at least one antigen of each antigen group that has a technique defined
- ✓ You can only delete a broad when there are no splits or alleles that belong to the broad
- ✓ You can only delete a split when there are no alleles that belong to the split

By using the Next button you will enter the next screen: Antibody screening per recipient, described in paragraph 3.1.5

3.1.5 *Antibody screening per recipient*

This screen is used to register the antibody screening for the recipient



The screen contains two tab pages: “Lab. Results” and “Antibodies”. The red fields are mandatory.

Lab. Results

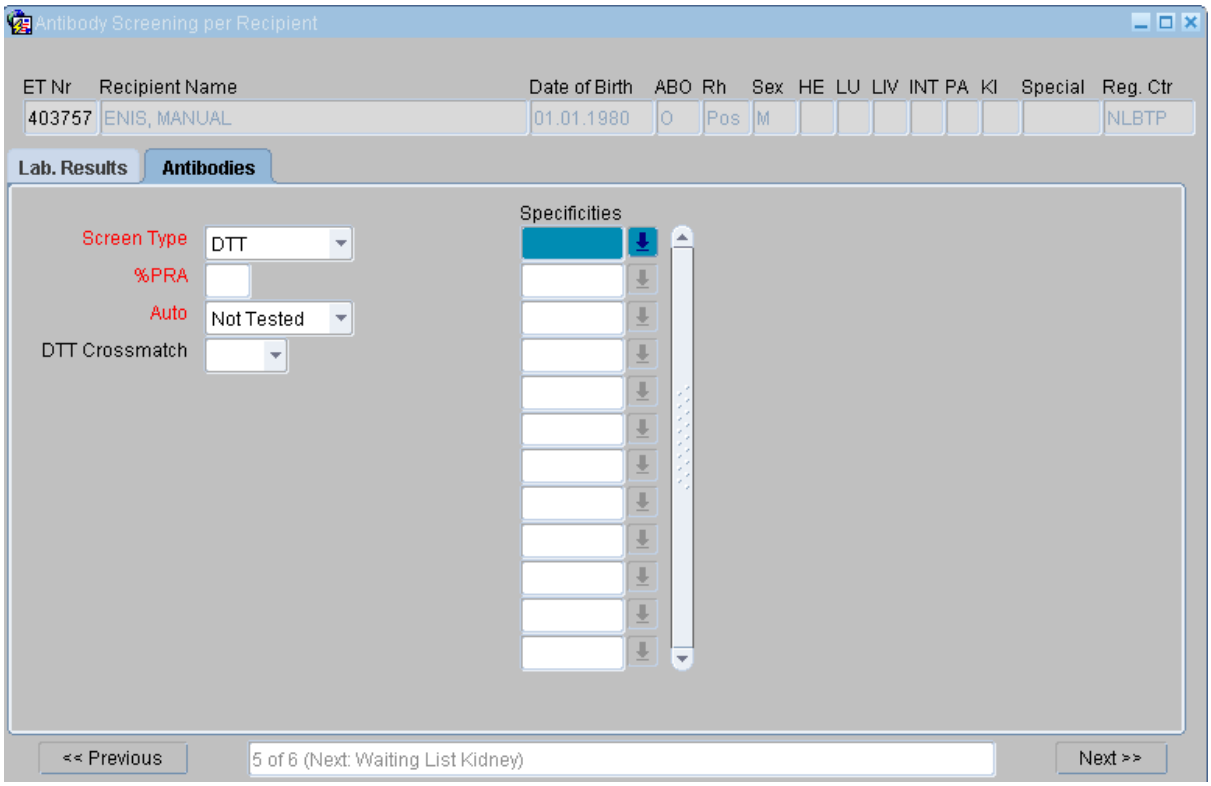
The field ‘Entry Date’ is automatically filled with date and time of entry and cannot be changed. Enter the code of the screening laboratory in the field “Code”. Choose F9 or the arrow to select a laboratory. It is only possible to use the center codes ending on ‘TT’ (e.g. NLBTT). Enter in the field ‘Sample Date’ the date the blood sample was drawn from the recipient.

The fields behind ‘Sample Date’ are display only. If already a percentage of antibodies is entered, this will be shown in these fields. The percentage of antibodies and the sample date of the most recent test result will be used in the ETKAS match. When these data are used for matching, the checkbox ‘Match Occurred’ is checked. You can use the ‘Comments’ field for comments per result. ‘Cum. Specificities’ are the cumulative specificities.
If a recipient has Non-cytotoxic/ complement fixing antibodies, please enter “Yes”. If not, select No.

Note: the information entered in the ‘Antibodies screen’ will also be used to calculate the highest antibody percentage (and date) and the current antibody percentage (and date).

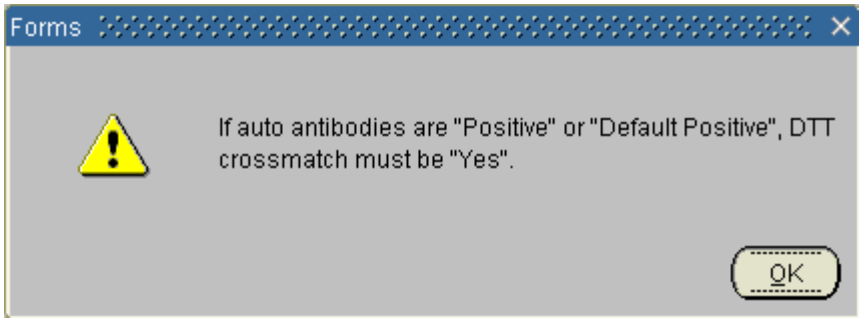
When ‘all information is entered, go to the second tab page “Antibodies”.

Antibodies



'Screen Type' is the antibody screening method that is used, this is mandatory. Select the method via the LOV (arrow). The list of values contains: DTT, Elisa, CDC, Luminex, Other and Virtual PRA.
The field '% PRA' is a numeric field, enter the percentage of antibodies.
Note: the percentage of antibodies can automatically change the urgency status if the recipient is registered on the kidney waiting list with urgency T, I or HI.

The field 'Auto' can be filled to indicate whether a recipient has auto-antibodies, selection via the LOV. Available are "Positive", "Negative" and "Not Tested". If 'Auto' is Positive, the following message appears:



Click OK and the field 'DTT Crossmatch' will automatically be filled with 'Yes'. In all other instances the field 'DTT Crossmatch' is not mandatory. You can fill in Yes or No, whether a crossmatch with DTT is needed for this recipient or not.
The field 'Specificities' allows entry of HLA antibody specificities. You can use the arrow, F9 or type in the antigens directly.

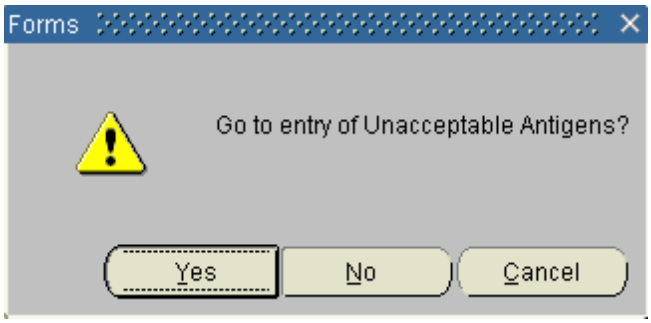
When you entered all information, click the Next button. When there are no specificities, the next screen will be the Organ screen. When specificities are entered, the next screen will be the Unacceptable Antigens screen.

3.1.6 Unacceptable Antigens

The unacceptable antigens are those HLA-antigens that should be avoided in an organ offer. Since these antigens are used in the kidney match program, an organ from a donor who does not have these HLA antigens will be offered.

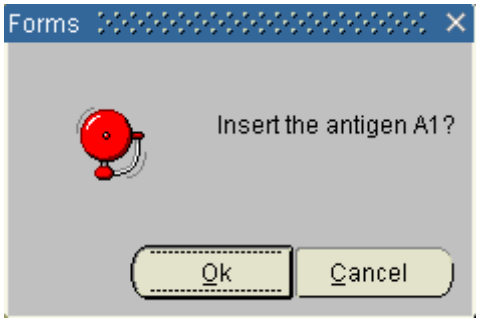
There are two ways to enter the unacceptable antigens screen; via the recipient registration wizard or via the menu.

Registration via the recipient registration wizard
After you entered the HLA antibody specificities in the Antibodies per Recipients screen and used the Next button, the following prompt appears:



If you want to go to the entry of the unacceptable antigens choose ‘Yes’. If you don’t want to enter unacceptable antigens, choose ‘No’.

When you have chosen to go to the unacceptable screen, the following message appears (depending on the data entered in the Antibody Screening per Recipient screen):

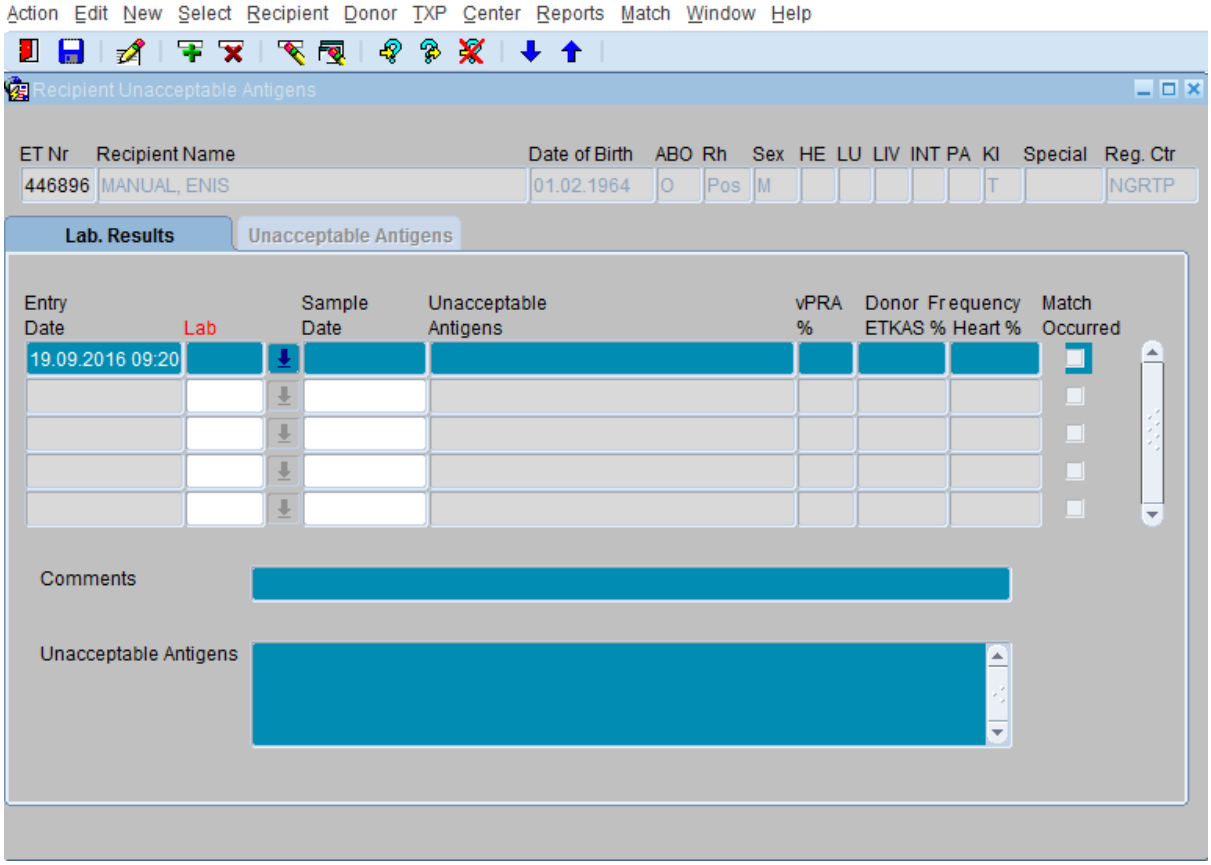


You have two options: OK and Cancel. When you choose ‘cancel’, you stay in the unacceptable antigens screen, but the antigen has not been inserted.
This message appears for all antigens entered in the Antibody per recipient screen.
After “Ok”, the antigen(s) appear in the unacceptable antigens screen.

Registration via the recipient registration screens
It is always possible to register new unacceptable or update the entry by openening the Unacceptable screen. Go to Recipient – Immunological results – Unacceptable antigens

Registration of unacceptable antigens:
The screen contains two tab pages: “Lab. Results” and “Unacceptable Antigens”.

Lab. Results

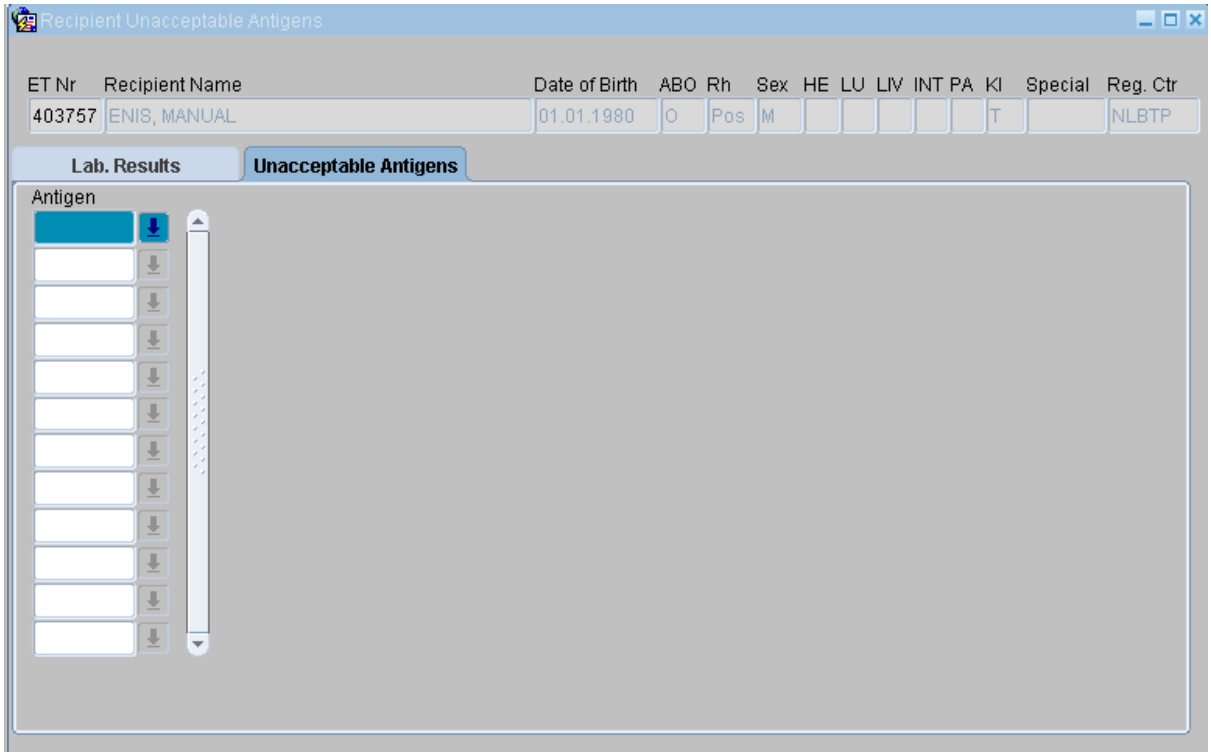


The data is automatically entered when a row is created. If you want to enter a new row, you can use F6 or the button with the green plus:

The field ‘Entry Date’ is filled automatically with the date of entry and cannot be changed.
The field ‘Lab’ is mandatory. Enter the code of the laboratory that determined the unacceptable antigens. Use F9 or the LOV button to select the lab code. It is only possible to use a center code ending with ‘TT’ e.g. NLBTT.
The field “Sample date” is the date the sample is taken.
The field “Unacceptable antigens” is a view-only field and will be filled when the unacceptable antigens are entered in the tab page “Unacceptable Antigens”.

The fields vPRA%, Donor Frequency ETKAS% and Donor Frequency Heart% are automatically filled after entering and saving the unacceptable antigens.
The field vPRA% shows the virtual (calculated) PRA based on the entered unacceptable antigens **.
The field Donor Frequency ETKAS% is the calculated Donor frequency for the ETKAS match and the Donor Frequency Heart% is the calculated Donor frequency for the Heart match. These Donor frequencies are based on blood group and the entered unacceptable antigens.
The checkbox ‘Match Occurred’ will be checked if the result set is used in an ETKAS, ESP or Cross-over match. The ‘Comments’ field can be uses for any commen.

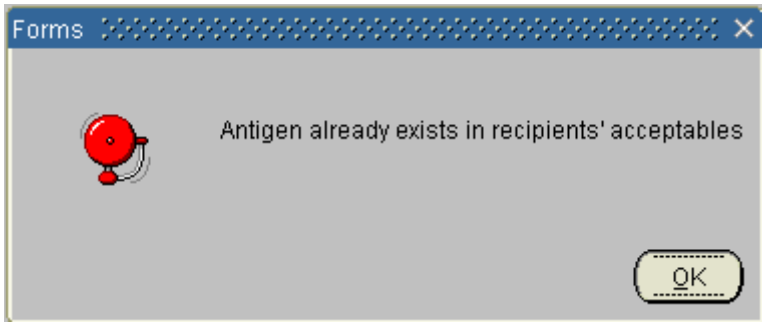
Unacceptable Antigens



When an earlier entered result set exists, this will automatically be copied in a new set for you to edit. If not, the fields are empty for you to enter the first set.
You can use the arrow, F9 or type in the antigens directly.

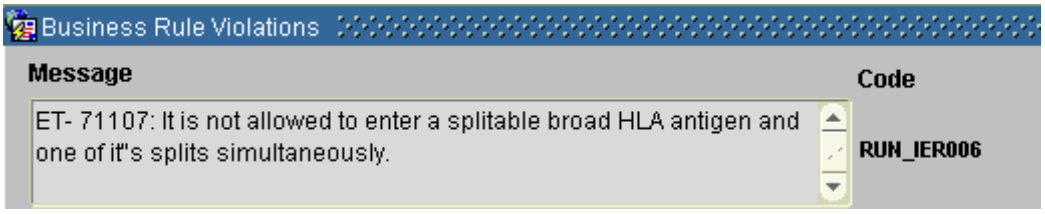
It is possible to delete a single (or mulptiple) unacceptable antigens if the unacceptable antigen is not used in a match (the fieldMatch occurred must be unchecked in the tab Lab results) .Select the antigen and use Shift-F6 or the red cross.
When you delete an unacceptable antigen or do not include a unacc. Antigen from a prior entry, a message will appear as an extra check.

It is not possible to enter an antigen which is also in the recipient's 'Acceptable Antigens'. The following message will appear:



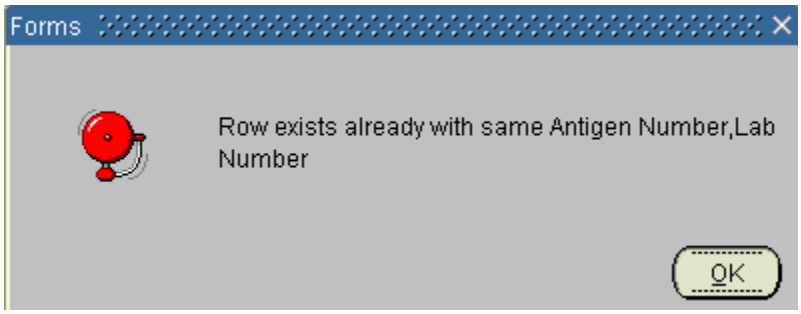
Note: it is not possible to enter an antigen which is also in the recipient's full match phenotype.

It is possible to enter a split able broad HLA antigen but you cannot enter a split able broad antigen and one of the splits simultaneously. The following prompt appears:



Click 'Print' if you want to print this message. Click 'OK' and the entered antigen can be changed.

When an antigen is entered twice the following message appears:



Click 'OK' and the entered antigen can be changed.

When the last field has been entered, save the information by clicking F10 or the disc.

****** After every entry of new unacceptable the virtual PRA percentage and the donor frequencies for the ETKAS and Heart match are calculated automatically by the calculators on the reference laboratory website and saved in the ENIS system.
Note: it can take max 24 hours before these valuaes are calculates and saved.

Calculation of the vPRA%
Basis for this calculation is a standard donor panel. This panel contains all deceased donors reported in a specific period of years of which 1 kidney was used for transplantation.The following loci of the donors are used: A,B,C, DR en DQ

Calculation of vPRA contains the following steps:

- The program checks which donors have the same loci of the recipients unacc. antigens. If an antigen is not found in a donors HLA typing, this donor is excluded from the donor panel. The donors that remain after this step form a temperary donor panel.
- The program checks per unacceptable antigen of the recipient in which HLA it is found. These donors are marked. If a donor has a marking and its HLA also contains the next unacc. antigen, the excisting marking is maintained. (there is no dubbel marking)
- After all unacc. antigens are checked against the donor panel, the total number of donors are devided by the number of marked donors and multipled with 100 for the percentage. This is the (calculated) vPRA %.
- The vPRA in the screen is shown in the screen without decimals.

Calculation of Donor Frequency ETKAS%and Heart%
Basis for this calculation is a standard donor panel. Calculations are performed on HLA data of deceased donors used for renal transplantation between 2010-2014 within the Eurotransplant area.
Donors with complete HLA typing for HLA-A, -B, -C, -DR and -DQ have been selected.
Donors with missing HLA data for one or more alleles were excluded after verification that

the HLA antigens that were known from these donors were not significantly different from the HLA antigens of donors with complete HLA information.
The Donor Frequency is shown in the screen with three decimals.
For more information, please visit the web site of our reference laboratory at www.etrl.org.

By using the X-button on the above right corner of the window to exit the screen, you will return to the recipient registration wizard. The next screen in the wizard is the Organ screen. Which organ screen depends on the organ(s) you have chosen in the second screen of the wizard, the 'Choose Organs' screen.

Registration via the recipient menu

Go to Recipient – Immunological Results – Unacceptable Antigens. The screen opens. For description how to register the unacceptable antigens, see "Registration via the recipient registration wizard" (3.1.6.1).

3.1.7 Organ screens in general

When a recipient must be registered for more than one organ, the system shows the registration screens one by one. After entry of the data for the first organ, the next organ(s) is (are) shown. The system also checks which donor profile(s) must be entered. For example: with a Kidney/ Pancreas recipient only the pancreas profile can be entered. The kidney profile cannot be entered; the tab page is not accessible. The donor profile is accessible as a tab page via the organ screens.

Some fields in the donor profiles are non accessable, depending on the national rules and laws.For example if NHB donation and transplantation are not allowed, the fields in the profile concering NHD donors are gray and can not be entered.

All changes on the Urgency are monitored and stored in the database. You can look at these changes on the screen Recipient – Status and Events, tab page Urgency Status.

Note: only Eurotransplant has the authorization to register the next urgency codes and special statuses:

- HU (for liver and kidney recipients)
- International HU (for Heart and Heart/ Lung recipients)
- National HU (Heart and Heart/ Lung recipients*)
- SU (Pancreas, Vascularized international and IS national only (not applicable for German recipients))
- ACO (approved by ET audit committee).

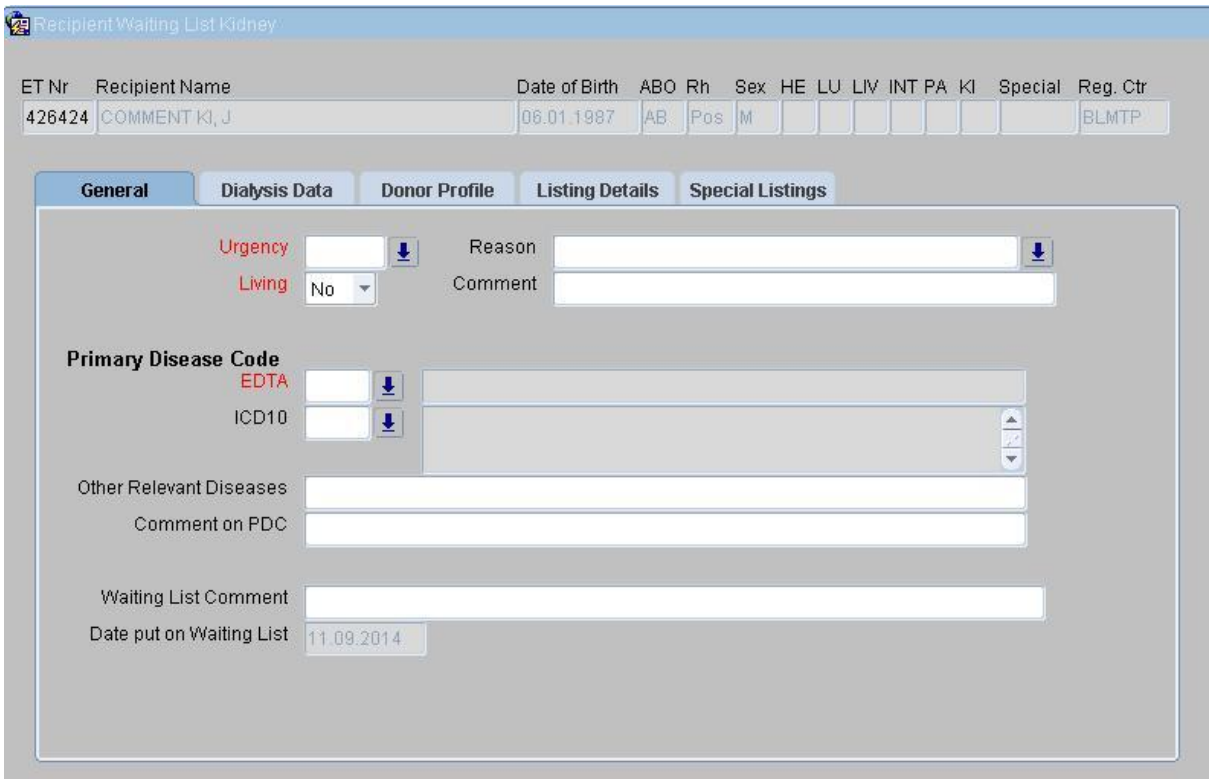
Please send the right application form to Eurotransplant to request for one of these urgency codes or enter information in the TCP application for the thoracic organs. The forms can be downloaded from the Eurotransplant member site. Go to 'Forms'. Here you can select the form needed for the urgency request, the form can be printed and send to Eurotransplant.

Please note: International HU status for the thoracic organs (HE and HE/LU) must be requested via the Thoracic urgency request application. This application is access able via the Eurotransplant member site.

*The national HU status for HE and HE/LU is applicable for the countries Austria, Belgium,

Croatia, Hungary, The Netherlands and Slovenia.
The national HU status Lung is applicable for the counties Austriaand Belgium.
This national HU status can be entered in the ENIS system by the centers themselves. (See chapter 3.1.9 and 3.1.10)

3.1.8 Kidney specific screen



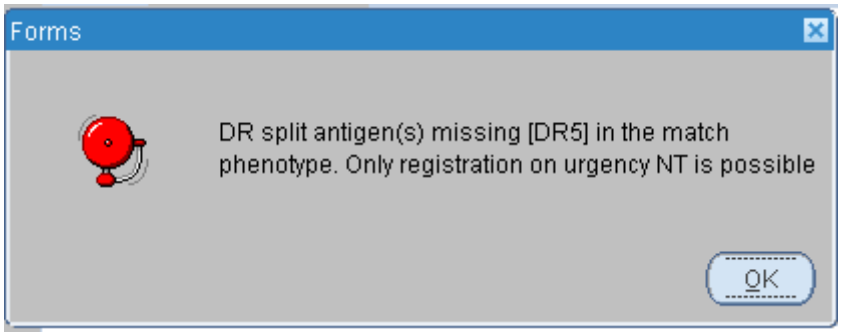
The Kidney organ screen contains five tab pages: “General”, “Dialysis Data”, “Donor Profile”, “Listing Details” and Special Listings.

General

The urgency code has to be registered in this screen. The available urgencies are T, I, HI and NT. When you point with your cursor in the field ‘Urgency’, urgency code will be adjusted to the level of the most recent PRA screening (T, I or HI). If there are no entries, the urgency code is set as T_KI (Transplantable). When later on the Antibodies screen is completed, the urgency code will then change accordingly to the antibodies percentage.

HI – Highly Immunized	Allo-PRA% 85 – 100
I – Immunized	Allo-PRA% 6 – 84
T – Transplantable	Allo-PRA% 0 – 5

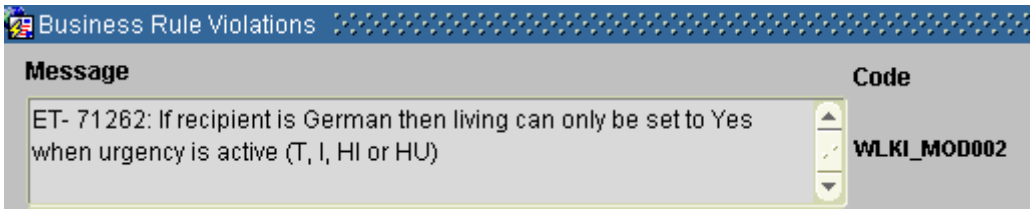
Note: it is not possible to reregister a recipient on active status when no virology (Recipient – Medical) is entered
Note: it is not possible to register a recipient on active status when the recipient has an incomplete HLA typingis missing) or the match phenotype is missing.
For example, in case of a missing DR5 split, the following error message will appear:



The only possible urgency is NT.

The urgency NT (Not Transplantable) or R (Removed) can be entered. In these cases the field Reason becomes mandatory. A reason for the urgency Not transplantable or Removed must be entered.
It is possible to enter a Comment on the urgency code.

When a recipient needs a living transplantation it can be entered here. For non-German recipients the urgency will change automatically to NT, with Reason 'On waiting list for living donor'.
When a German recipient is put on the waiting list for a living transplantation, the urgency code must be active (T, I, HI or HU) at time of registration and transplantation, according to the German law.



The Primary Disease Code is mandatory. This is the disease that caused the recipient to be registered on the waiting list for an organ. When you enter an EDTA code the complementary ICD10 codes are listed in the LOV of that field.
The same applies the other way around: when you choose an ICD10 code first the complementary EDTA codes are listed in the LOV. For German recipients, the ICD10 code is mandatory.
The disease codes can be found on the Eurotransplant membersite – Library - Forms.
Other relevant diseases can also be entered.

It is possible to register information on other releveant diseases in two comment fields: "Other relevant diseases" and "Comment on PDC".

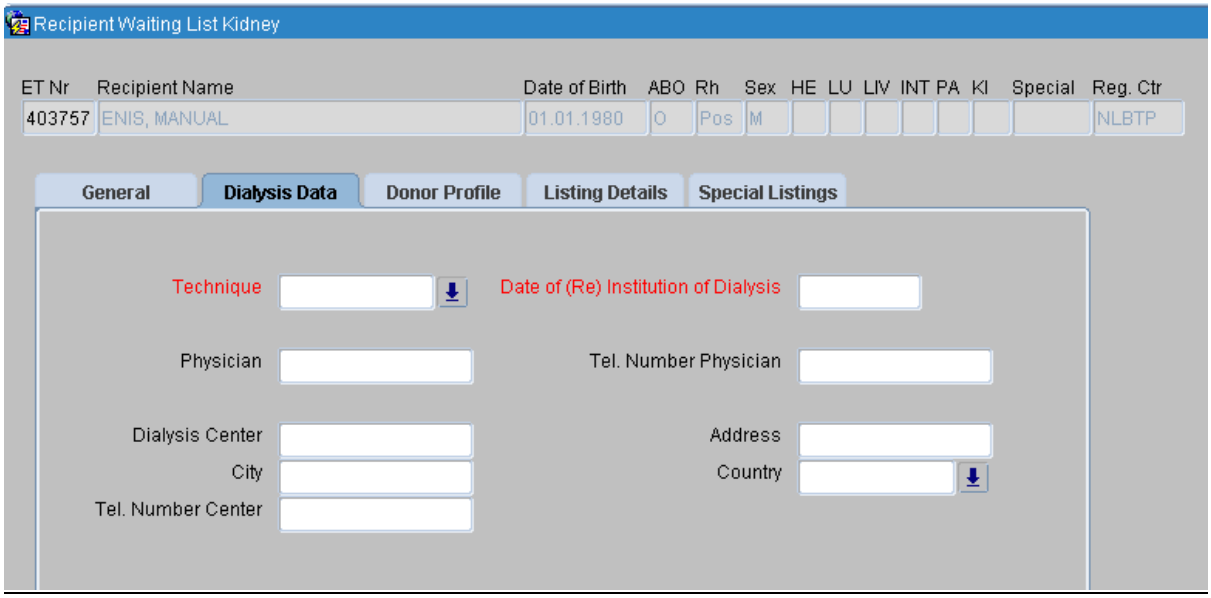
Other comments on the waiting list registration can be entered in the field "Waiting list comment". This field is not used for matching or used in any other way by Eurotransplant. It is for internal comments only

The 'Date put on Waiting List' is automatically filled with the date of registration on the waiting list. This field is not updatable.

If a kidney recipient is re-registered, the recipient may receive return of waiting time. This is done automatically if applicable. The date enteredin the field "Date of (Re) Institution of Dialysis" must be the first date of dialysis after the transplantation. For more information, see ET manual chapter 4 ET Kidney Allocation System (ETKAS) on the ET membersite.
After entering all information, go to the next tab page.

Dialysis Data

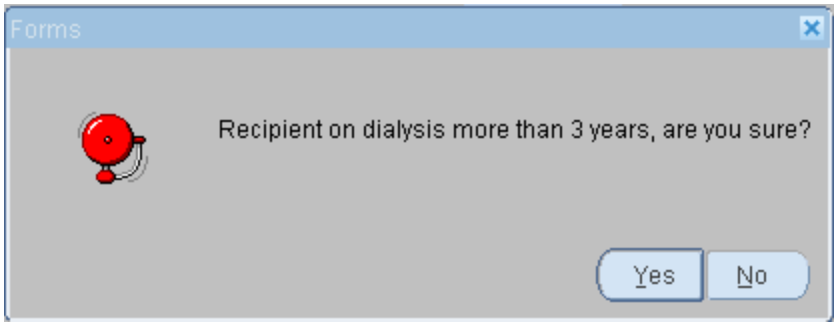
In this tab page the dialysis data can be entered.



If the recipient is on dialysis, enter the information concerning the dialysis, such as Dialysis Center, the address and country and the name and number of the Physician of the recipient.

When the recipient is not on dialysis, enter the value ‘ND’ (Recipient not on dialysis) in the field ‘Technique’. After this the ‘Date of (Re) Institution of Dialysis’ will automatically change to not-enterable.

Note: if the Date of (re)Institution of Dialyses is more than 3 years prior tot the registration date a promt appears:

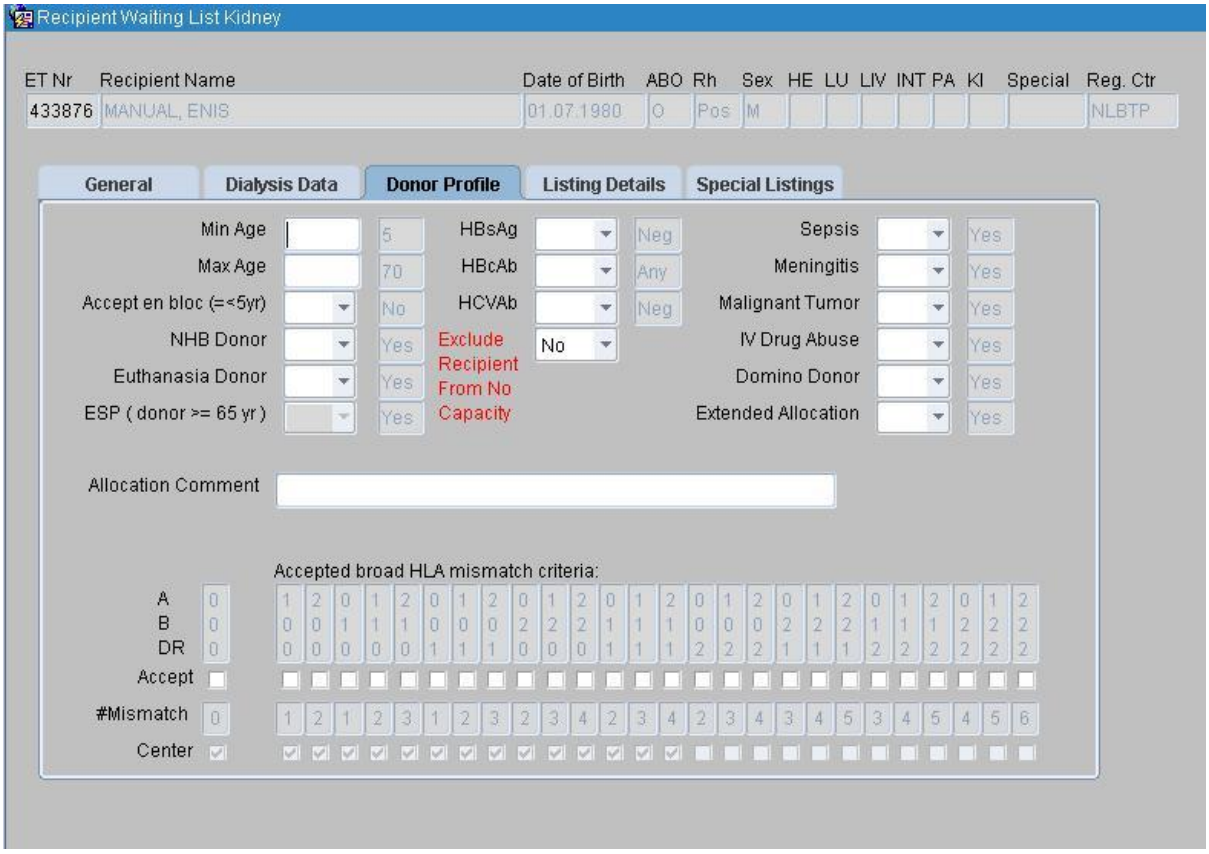


Please check if the entered date is correct. If it is correct, select “Ok” and continue registration

After entering all information, go to the next tab page.

Donor Profile

In this tab page the recipient specific kidney donor profile can be entered.



The profile items are not mandatory. When there is no data entered, the system will use the center donor profile for matching. The recipient specific profile has always priority over the center specific profile. Next to the items you can fill out, you see the center profile, shown in view only fields.

The following requirements can be entered:

- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- Accept en bloc (=<5yr)
  This is a Yes/ No field, indicating whether en bloc offers for donors of age 5 and younger are accepted. No automatic filtering is done on this item. It appears on the match reports that are used by the Eurotransplant duty office.
- NHB Donor
  This is a Yes/ No field, indicating whether non-heartbeating donors are accepted for this recipient.
- Euthanasia donor
  This is a Yes/ No field. ‘Yes’ means euthanasia donors are accepted, ‘No’ means they are not accepted for this recipient.
- ESP (donor >= 65 yr)
  This is a Yes/ No field, indicating whether ESP donors are accepted. These are donors 65 years of age or older
- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
- Exclude Recipient from No Capacity
  This is a Yes/ No field. ‘Yes’ means that this recipient will appear on the ET match list,

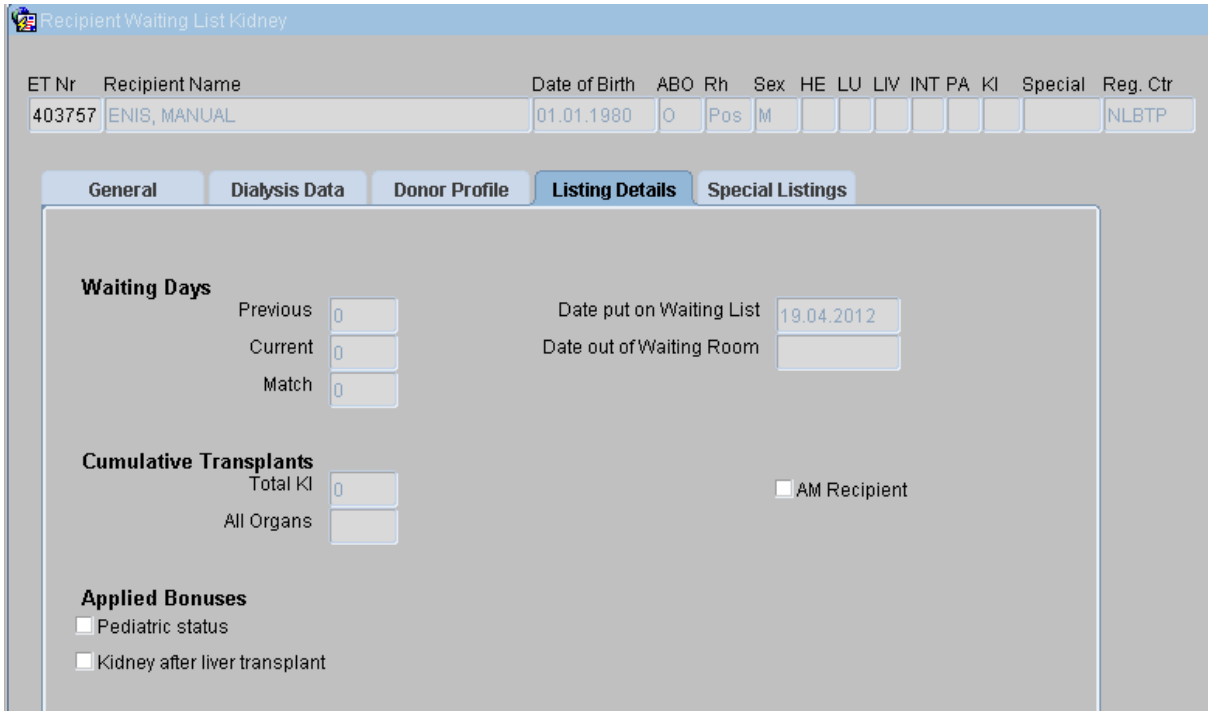
if the center has no capacity. ‘No’ means that this recipient will not appear on the ET match list, if the center has no capacity.

- Sepsis, Meningitis, Malignant Tumor, IV Drug Abuse, Domino Donor,
  These are Yes/ No fields. ‘Yes’ means these donors are accepted, ‘No’ means they are not accepted for this recipient.
- Extended Allocation
  This is a Yes/ No field. ‘Yes’ means offers via Extended allocation are accepted, ‘No’ means offers via Extended allocation are not accepted for this recipient
- Accepted broad HLA mismatch criteria
  The accepted broad HLA mismatch criteria selection area contains six lines. The first three lines contain the mismatch criteria, shown in a vertical line (A, B and DR). They must be read from top to bottom. The fourth line is a selection (Accept) line, where the criteria can be individually selected by checking the checkbox. The fifth line is for your information; it shows the total number of mismatches for the corresponding criteria. The sixth line contains the center profile.
  Criteria can be individually selected and deselected, there are no limitations. When you want a recipient to accept a different set of mismatch criteria than those specified in the center profile, you must specify all desired mismatch criteria (in the Accept line).

Note: if a recipient has the “Pediatric status”, the items “Maximum donor age” and “Accepted HLA mismatches” are mandatory.

The field “Allocation Comment” contains additional profile information or requests important for organ allocation. It is read only, you can not enter any comments here
After entering all information, go to the next tab page

Listing Details



This tab page shows the waiting list details. It is an overview of waiting days and the cumulative transplants. No data can be changed in this screen, it is view only.

When waiting time has been returned, this is shown in the field ‘Previous’. The field ‘Current’ shows the current waiting days. The field ‘Match’ shows the points that will be used in the match.

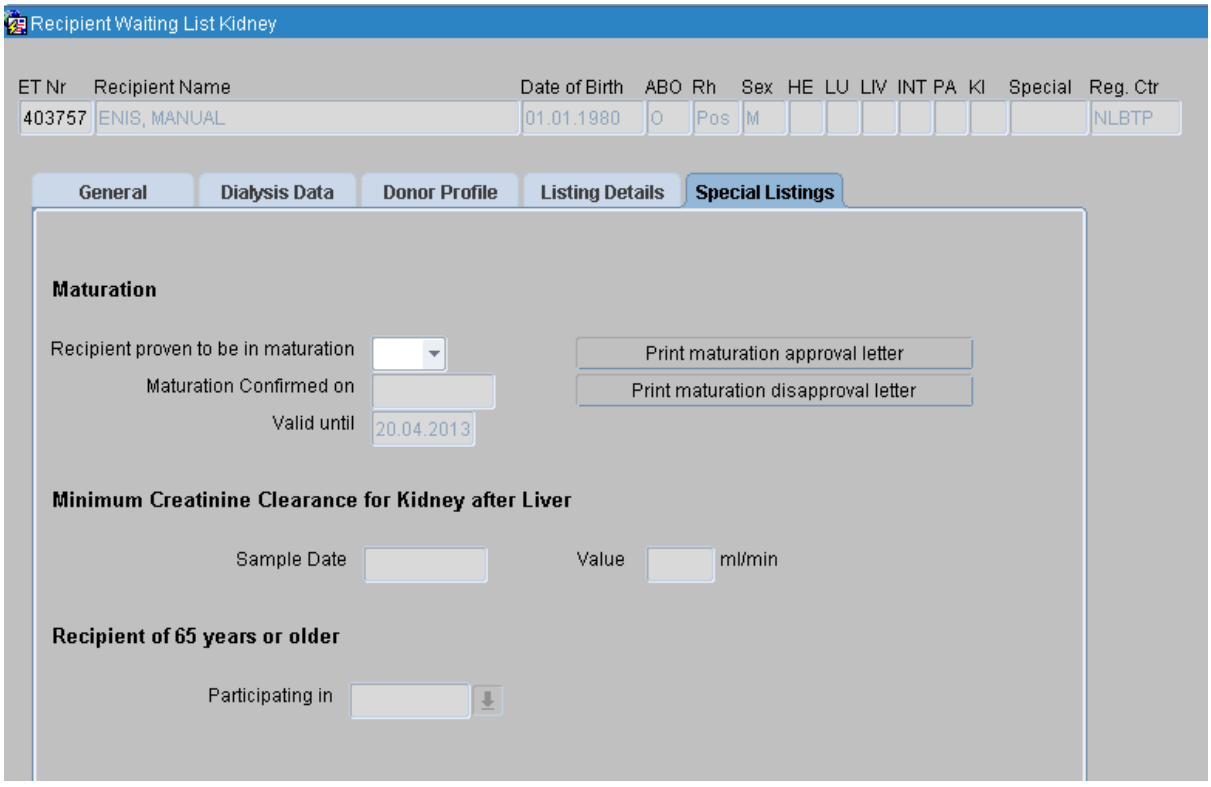
The ‘Date put on Waiting List’ is shown. The ‘Date out of Waiting Room’ is the date that all recipient data necessary for matching was entered.

The fields Cumulative Transplants show the number of previous Kidney and/or other organ transplants

The check box AM Recipient is checked if the recipient participates in the AM programm. This check box is read only.

The section applied bonuses shows if the recipient receives an additional bonus.
The field “Pediatric status” shows if the recipient is considered a pediatric recipient. This status has influence on the match, pediatric recipient receive an additional bonus.
The field “Kidney after liver transplant” shows if the recipient receives this additional bonus. For more information concerning this bonus (For details, see ET Manual, chapter 04 ETKAS)

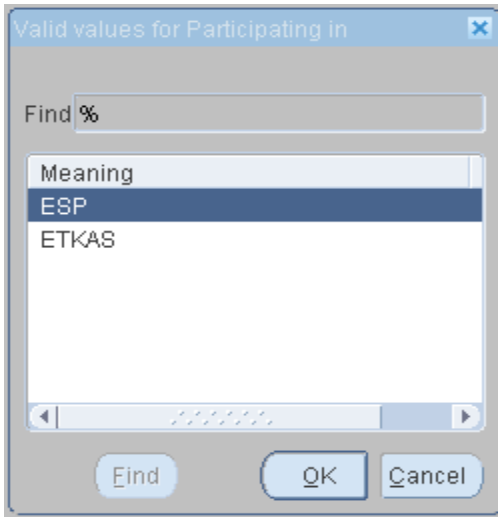
Special listings



The fields “Recipient proven to be in maturation”, “Maturation Confirmed on” and “Valid until” can only be entered by Eurotransplant. These fields offer the possibility go give the recipient an extended pediatric status. (For details, see ET Manual, chapter 04 ETKAS)

In the section Minimum Creatinine clearance for Kidney after Liver the sample date and value of the Creatinine clearance can be entered. These fields are only available if the recipient is eligible for the “Kidney after Liver transplant” bonus.

The field “Participating in” is for the **German** recipients as of the age of 64 years and older.

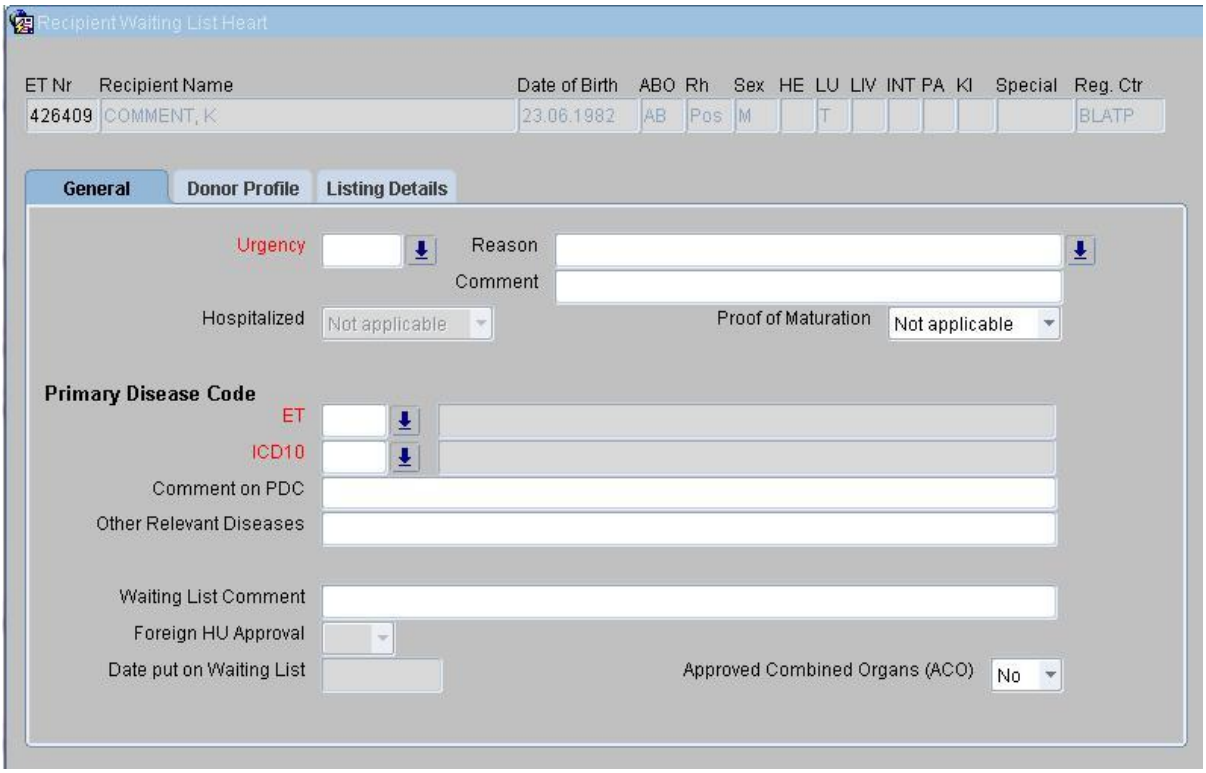


In this field can be entered whether the recipient wants to participates in the ETKAS or in the ESP match. In case ETKAS is chosen, the recipient will be excluded out for the ESP match and vice versa. For German recipients as of the age of 65 years it is mandatory to enter this tab page. If no selection was made, the recipient will automatically participate **only** in the ETKAS match.This field has no effect for recipients under 65 years and non German recipients and can remain empty

When this is the last screen in the recipient registration wizard, at the bottom is shown: 'This is the last screen of the Recipient Registration Wizard'. The Next button has changed into a Finish button. By clicking Finish, the registration is completed. When there are other Organ screens to fill out, the recipient registration wizard will direct you to these screens.

3.1.9 Heart specific screen

The Heart organ screen contains three tab pages: General, Donor Profile and Listing Details.



General

On this first tab page the urgency code and primary disease code have to be registered. The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed). For all countries except Germany it is also possible to put the recipient on national HU status.ET still registers the international HU status.

Note: it is not possible to reregister a recipient on active status when no virology (Recipient – Medical) is entered

When urgency R, NT or HU are entered or changed to these statuses', it is mandatory to enter a reason. For the l HU (National) status entered by the center only the reason "Fullfills Standard criteria" can be selected.

It is possible also that the urgency doesn't change, but the reason does. E.g.: a recipient is NT, reason: medical and two days later the recipient is NT, reason: on request of recipient (Holiday).

Children are automatically put on HU status. When the recipient is put on HU (automatically due to pediatric status), a reason is entered automatically here. A pop-up is shown to indicate that the status will change due to age

The reason belonging to the status NT, R or HU is shown in Status and Events (Recipient – Status and events).

It is possible to enter a Comment on the urgency code.

The field Hospitalized is only access able for Eurotransplant and is entered after the center requested the Hospitalized status for a pediatric recipient (recipients of <16 years or recipients proven in maturation). The field shows if the request was accepted or not. After the decision is registered, this is shown in Recipient – Status and event

The field Proof of Maturation is only access able for Eurotransplant and is entered after the center requested the In Maturation status for a recipient of 16 years or older. The field shows if the request was accepted or not. After the decision is registered, this is shown in Recipient – Status and event

Note: for more information concerning the status "In maturation" and Hospitalized, see ET manual chapter 6 Thoracic allocation.

You must enter the ET Disease Code. If there is a corresponding ICD10 code, the system will fill this in automatically. If there are multiple corresponding options, the LOV will be limited to these options. Some ET codes need further specification. The field 'Comment on PDC (Primary Disease Code)' will then become mandatory, e.g.: ET code 1204 Cardiac cancer – specify. For the German recipients it is mandatory to enter the ICD10 code.

The disease codes can be found on the Eurotransplant membersite – Library - Forms.

Other comments on the waiting list registration can be entered in the field "Waiting list comment". This field is not used for matching or used in any other way by Eurotransplant. It is for internal comments only

The Date put on Waiting List will default to today and cannot be changed by remote users. The fields 'Foreign HU Approval' and 'Approved Combined Organs (ACO)' are fields that only can be entered by Eurotransplant. If a recipient is accepted for international HU or is approved for an ACO status, the field will be put on 'Yes'. To request these statuses: use the required forms and send them to Eurotransplant.

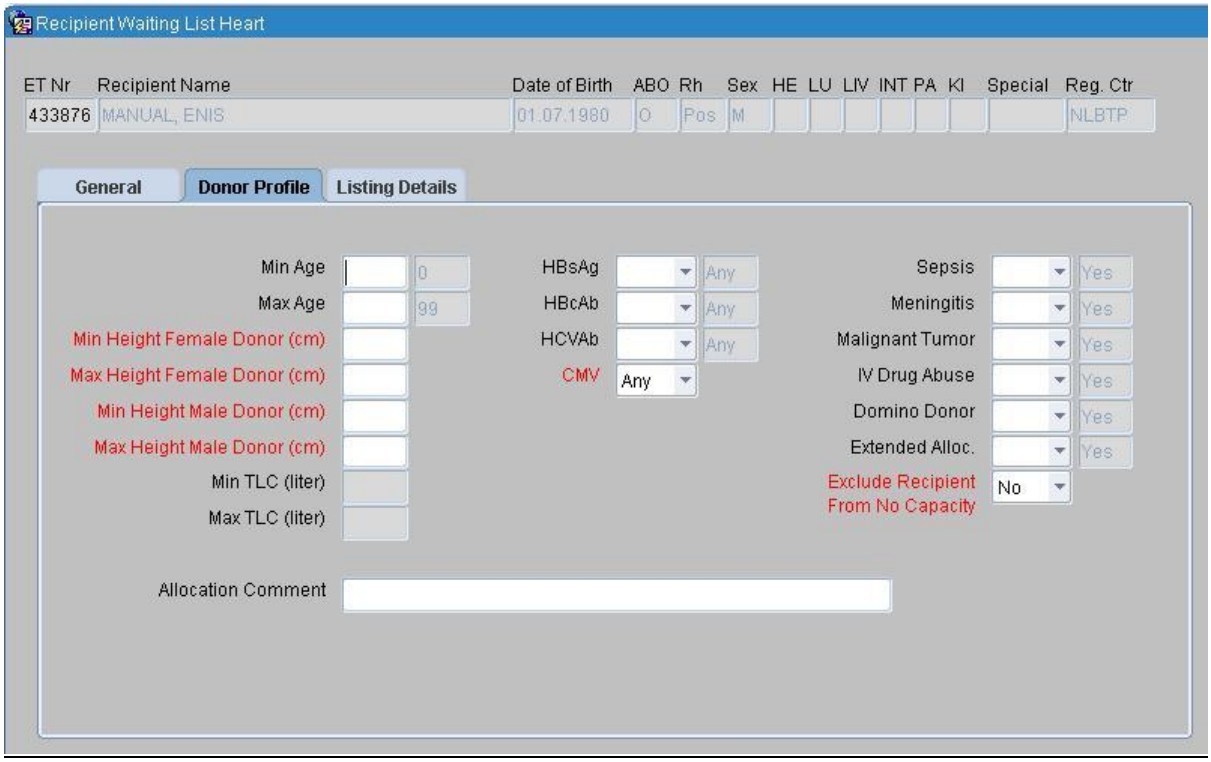
The button Thoracic Clinical Profile will navigate to the Thoracic Clinical Profile application

where new requests can be entered.

After entering all information, go to the next tab page.

Donor Profile

On this tab page the recipient specific heart donor profile can be entered.



The red fields are mandatory. In case the not mandatory items are not entered, the computer will use the Center Donor Profile for matching. The recipient specific profile has always priority over the center specific profile. Next to the items you can fill out, you see the center profile in view-only fields. If the recipient has an active urgency status on the Heart **and** Lung waiting list, the recipient specific heart donor profile cannot be entered.

The following requirements can be entered:

- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- Min Height Male/Female Donor (cm), Max Height Male/Female Donor (cm)
  Mandatory: minimum and maximum acceptable donor height in centimeters. It must be entered for female and for male donors. Only whole numbers can be entered.
- Min TLC (liter), Max TLC (liter)
  View only: minimum and maximum acceptable donor TLC (Total Lung Capacity). This item can be entered in the specific lung donor profile, if the recipient is also on the waiting list for lungs
- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
- CMV
  This is a mandatory item, automatically ‘Any” is filled in. There are two possible entries:

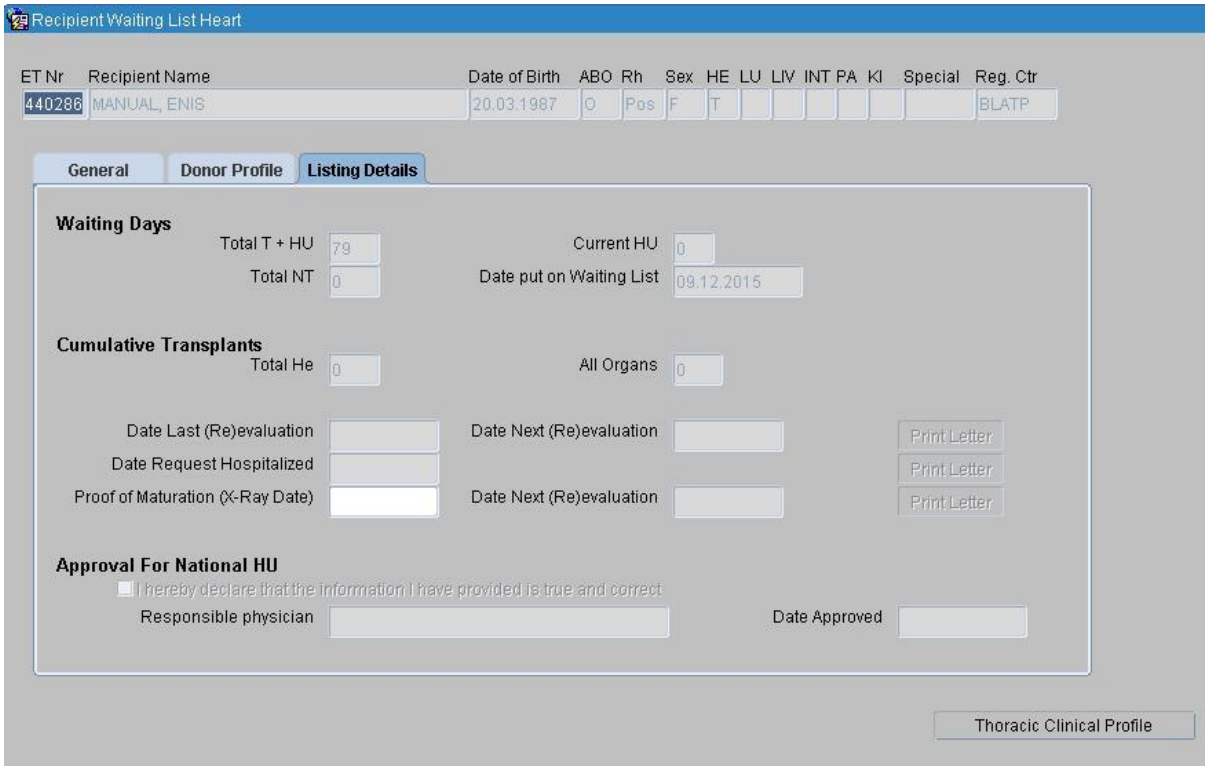
Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
Sepsis, Meningitis, Malignant Tumor, IV Drug Abuse, Domino Donor
These are Yes/ No fields. 'Yes' means these donors are accepted, 'No' means they are not accepted for this recipient.

- Extended Alloc.
  This is a Yes/ No field. 'Yes' means offers via Extended allocation are accepted, 'No' means offers via Extended allocation are not accepted for this recipient
- Exclude Recipient from No Capacity
  This is a Yes/ No field. 'Yes' means that this recipient will appear on the ET match list, if the center has no capacity. 'No' means that this recipient will not appear on the ET match list, if the center has no capacity.

The field "Allocation Comment" contains additional profile information or requests important for organ allocation. It is read only, you can not enter any comments here

Listing Details

This tab page shows the waiting list details.



It is an overview of waiting days and the cumulative transplants. No data can be changed in this screen, it is view only.

The part waiting days show the total "T and HU"days, current HU days and the total NT days

When the urgency code for an adult recipient is HU (international), the fields 'Date Last (Re) evaluation' and 'Date next Re-evaluation' are filled. If a re-evaluation is accepted, Eurotransplant will change the 'Date Last (Re) evaluation'. Then the field 'Date next Re-evaluation' will be updated automatically. The Button 'Print Letter' is used only by Eurotransplant. The button prints the letters send to the transplant centers with the date the recipient has to be re-evaluated for HU.

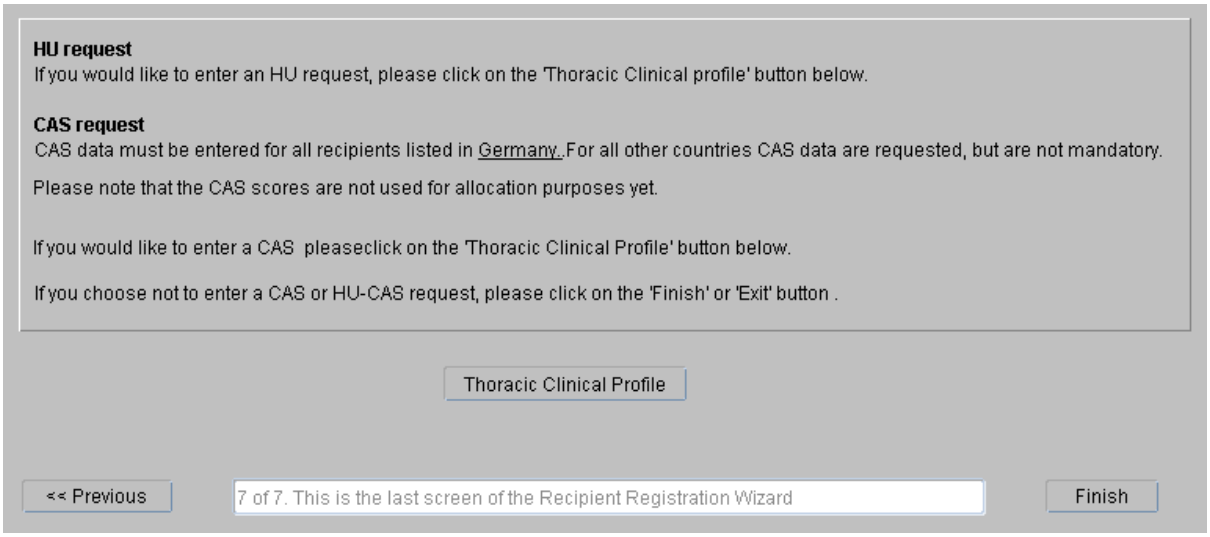
When the Hospitalized request for a pediatric recipient is accepted, ET will enter the date of Hospitalization in the field “Date Request Hospitalized”. The Button ‘Print Letter’ is used only by Eurotransplant. The button prints the letters send to the transplant centers with the confirmation of the acceptance for status Hospitalized.

When the In Maturation request for a recipient is accepted, ET will enter the X Ray in the field “Proof of Maturation (X Ray Date)”. After saving the field ‘Date next Re-evaluation’ is filled. The Button ‘Print Letter’ is used only by Eurotransplant.

When a non-German center enters the (national) HU status as urgency it is mandatory for the center to fill out the declaration, responsible physician and the date in the listing details screen.

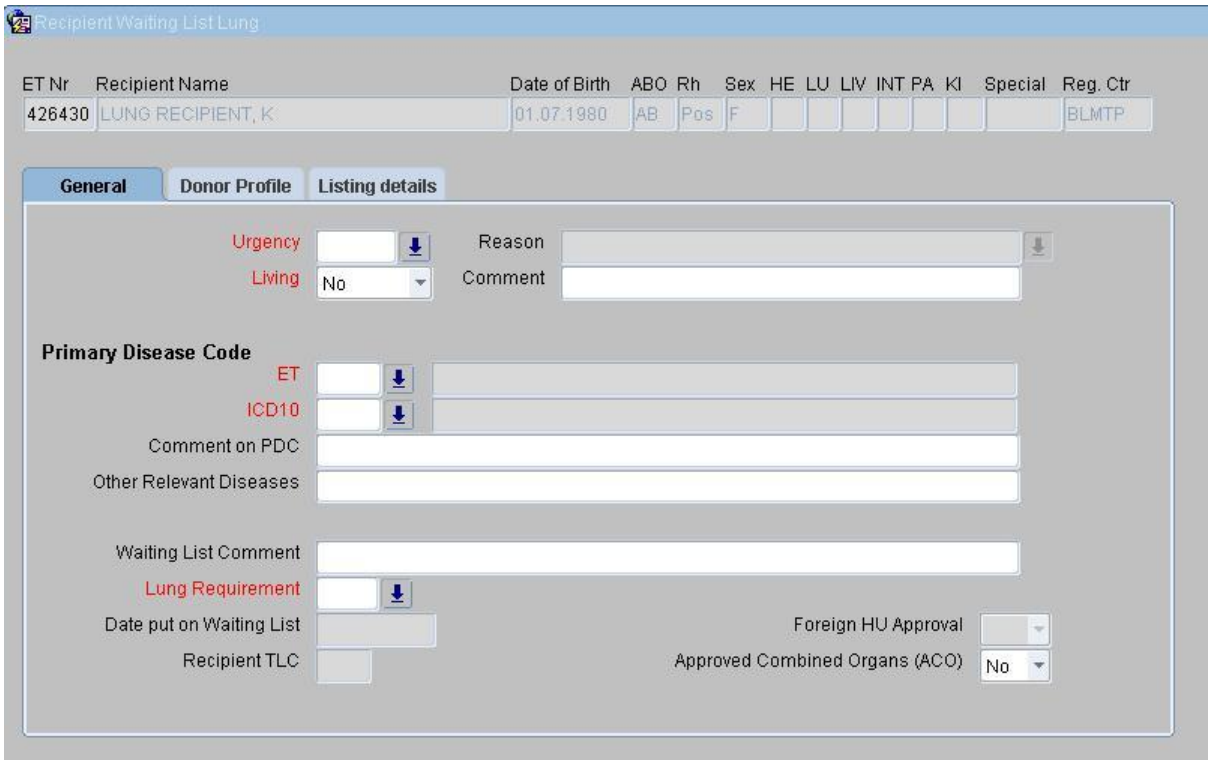
The button prints the letters send to the transplant centers with the date the recipient has to be re-evaluated for In maturation status.
Note: for more information concerning the status “In maturation”,Hospitalized and National HU, see the ET manual chapter 6 Thoracic allocation on the ET web site

By choosing the NEXT button of the recipient registration wizard at the bottom of this screen, a screen will appear where you can navigate to the Thoracic Clinical Profile where a new CAS score can be requested.



When this is the last screen in the recipient registration wizard, at the bottom is shown: This is the last screen of the Recipient Registration Wizard. The Next button has changed into a Finish button. By clicking Finish, the registration is completed.
After registration, this button to the Thoracic Clinical Profile is available in the General screen

3.1.10 Lung specific screen



The Lung organ screen contains three tab pages: General, Donor Profile and Listing Details.

General

On this first tab page the urgency code, primary disease code and lung requirement have to be registered. The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed).

For the countries Austria and Belgium it is possible to put a recipient on the urgency HU (National). ET still registers the international HU status.

Note: it is not possible to reregister a recipient on active status when no virology (Recipient – Medical) is entered

When a German recipient is put on the waiting list for a living transplantation, the urgency code must be transplantable at time of registration and transplantation, according to the German law.

When urgency R,NT or HU are entered or changed to these statuses', it is mandatory to enter a reason. For the HU status only the reason "Fullfills Standard criteria" can be selected.

It is also possible that the urgency doesn't change, but the reason does. E.g.: a recipient is NT for medical reasons, and two days later the recipient is NT on request of recipient (Holiday). This is shown in Status and Events (Recipient – Status and events). It is possible to enter a Comment on the urgency code.

Living (transplantation) is mandatory. For non-German recipients the urgency will change automatically to NT. By entering the screen, 'No' is automatically entered. This can be changed into 'Yes'.

You must enter the ET Disease Code. If there is a corresponding ICD10 code, the system will fill this in automatically. If there are multiple corresponding options, the LOV will be limited to these options. Some ET codes need further specification.
The field 'Comment on PDC (Primary Disease Code)' will then become mandatory, e.g.: ET code 1610 Occupational lung disease – specify. For the German recipients it is mandatory to enter the ICD10 code.
The disease codes can be found on the Eurotransplant membersite – Library - Forms.

Other comments on the waiting list registration can be entered in the field "Waiting list comment". This field is not used for matching or used in any other way by Eurotransplant. It is for internal comments only

Lung requirement is mandatory and specifies which lung(s) or part of the lung the recipient needs.
The Date put on Waiting List will default to today and cannot be changed by remote users.

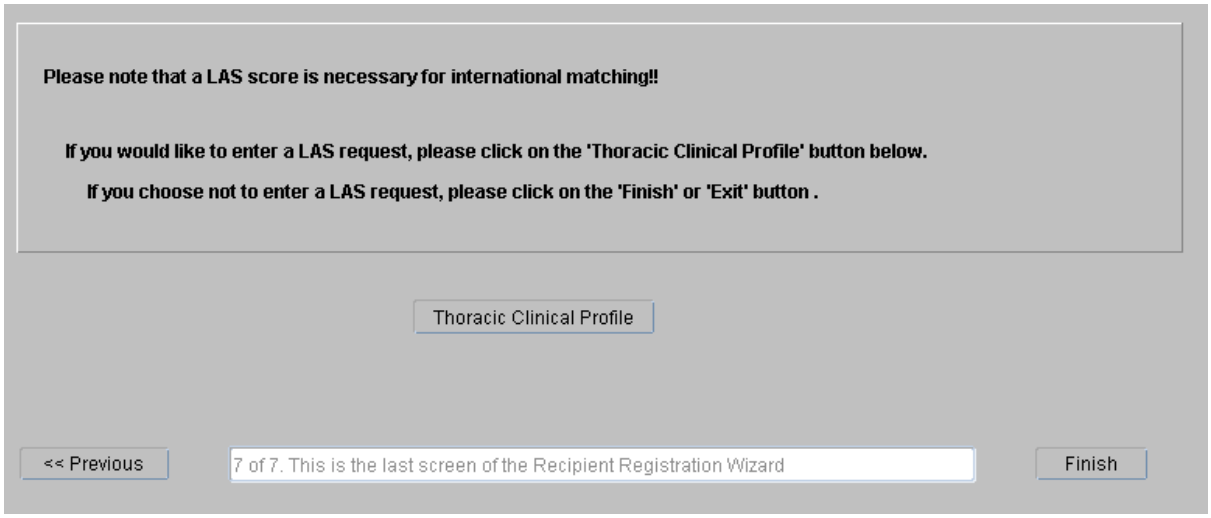
Recipient TLC is automatically calculated for German recipients, but the value is adjustable. The field is not available for Non-German recipient and the TLC is not calculated for these recipients

The fields 'Foreign HU Approval' and 'Approved Combined Organs (ACO)' are fields that only can be entered by Eurotransplant. If a **combined heart/lung** recipient is accepted for international HU or a LU recipient is approved for an ACO status, the field will be put on 'Yes'. To request these statuses: use the required forms or and send them to Eurotransplant or send the request via the Thoracic Clinical Profile application.

Note: if a lung only recipient is re-registered on the lung waiting list or placed on an active status, a new LAS score should be entered. If the status of a combined he/lu recipient changes and the recipient must receive only a long transplant, enter a LAS score
Children receive automatically a LAS score of 100. A pop-up is shown to indicate the score.

The button Thoracic Clinical Profile will navigate to the Thoracic Clinical Profile application where new requests can be entered.

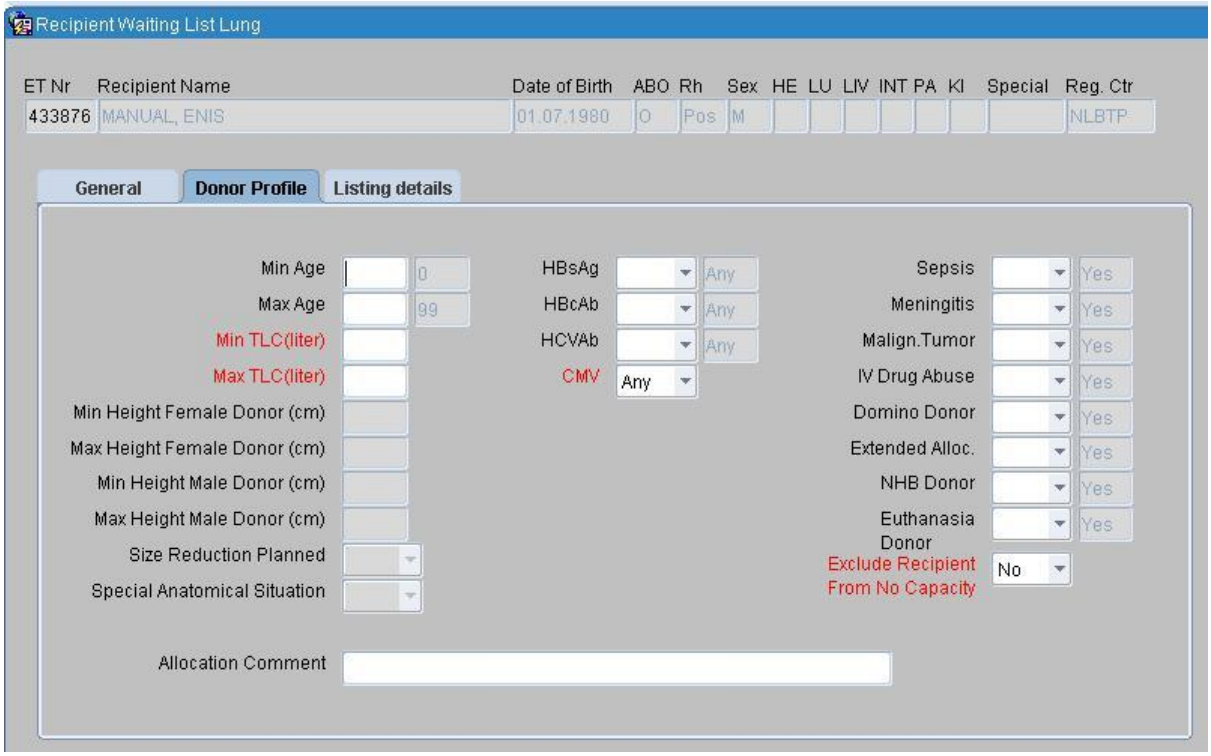
When the re-registration on the waiting list is saved, a screen will appear where you can navigate to the Thoracic Clinical Profile where a new LAS score can be requested.



Select the button Thoracic Clinical Profile if you want to request a new LAS score.
Select Exit if you don't want to enter a new request immediately. For more information concerning LAS scores and requests, see the section Projects & Themes on the ET member site or the Thoracic Urgency request manual under the section Library.

After entering all information, go to the next tab page.

Donor Profile



On this tab page the recipient specific lung donor profile can be entered. The red fields are mandatory. In case the not mandatory items are not entered, the computer will use the Center Donor Profile for matching. The recipient specific profile has always priority over the center specific profile.

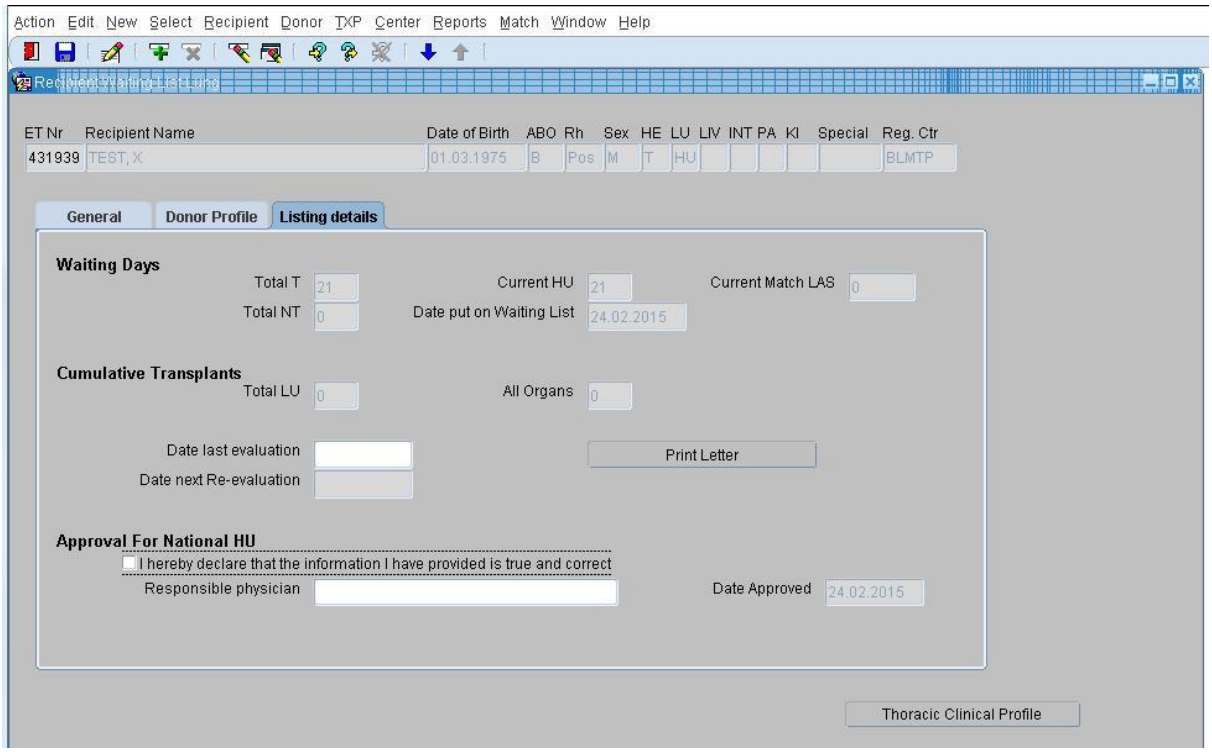
Next to the items you can fill out, you see the center profile in view-only fields.

The following requirements can be entered:

- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- Min TLC (liter), Max TLC (liter)
  Minimum and maximum acceptable donor TLC (Total Lung Capacity).
  Note: there is a restriction on min. and max. TLC for German recipients (not below 10% and not more than 20% of the recipients TLC).
  The restriction on max. TLC disappears if the field “Size reduction planned” is set to “Yes”. (only allowed if recipient TLC <5 l)
  If the field “Special anatomical situation” is set to “Yes”, the center can change the recipient TLC. The restriction remains
- Min Height Male/Female Donor (cm), Max Height Male/Female Donor (cm)
  View only: minimum and maximum acceptable donor height in centimeters, for male and female donors. This item can be entered in the specific heart donor profile, if the recipient is also on the waiting list for a heart.
- Size Reduction planned
- Only available for German recipients with a TLC < 5 liter. This is a Yes/No field. Yes means that a size reduction of the accepted lungs is planned
- Special Anatomical situation
  Only available for German recipients. This is a Yes/No field Enter Yes means there is a special anatomical situation (e.g. thoracic deformation) for the registered recipient.
- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
- CMV
  This is a mandatory item, automatically ‘Any” is filled in. There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
- Sepsis, Meningitis, Malign. Tumor, IV Drug Abuse, Domino Donor
  These are Yes/ No fields. ‘Yes’ means these donors are accepted, ‘No’ means they are not accepted for this recipient.
- Extended Allocation
  This is a Yes/ No field. ‘Yes’ means offers via Extended allocation are accepted, ‘No’ means offers via Extended allocation are not accepted for this recipient
- NHB Donor
  This is a Yes/ No field. ‘Yes’ means non-heart beating donors are accepted, ‘No’ means they are not accepted for this recipient.
- Euthanasia donor
  This is a Yes/ No field. ‘Yes’ means euthanasia donors are accepted, ‘No’ means they are not accepted for this recipient.
- Exclude Recipient from No Capacity
  This is a Yes/ No field. ‘Yes’ means that this recipient will appear on the ET match list, if the center has no capacity. ‘No’ means that this recipient will not appear on the ET match list, if the center has no capacity.

The field “Allocation Comment” contains additional profile information or requests important for organ allocation. It is read only, you can not enter any comments here

Listing Details



This tab page shows the waiting list details. It is an overview of waiting days and the cumulative transplants.

The part Waiting Days show the total “T”days (total T + HU days), current HU days, current Las score and the total NT days

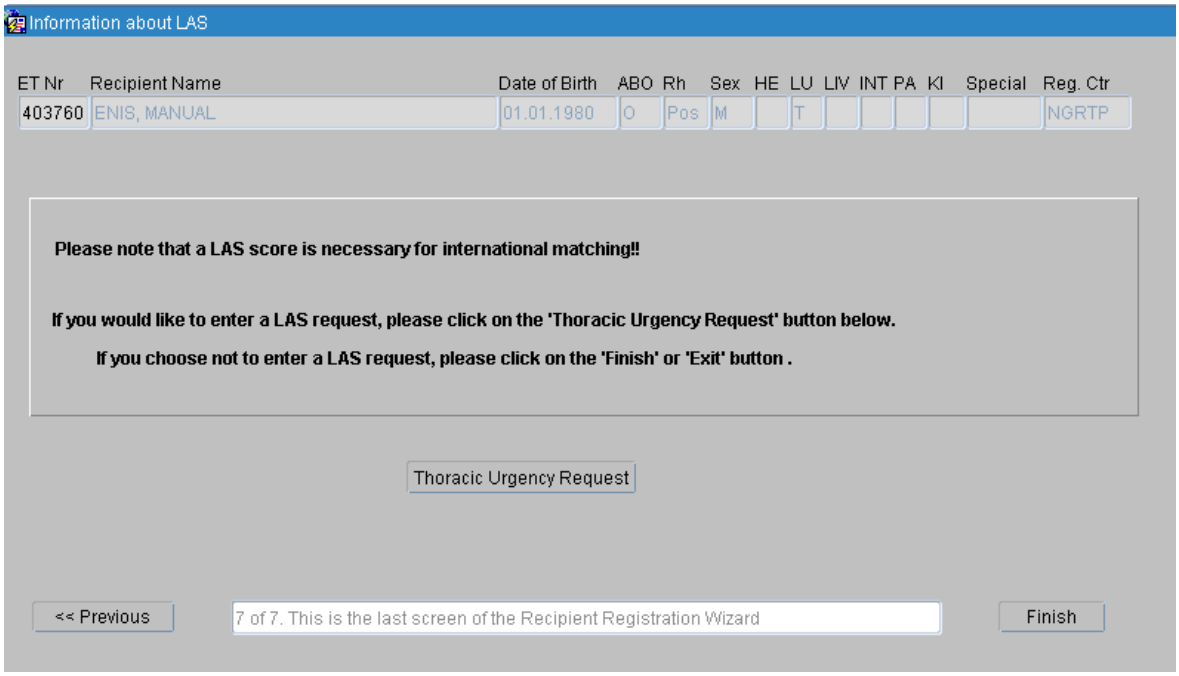
This screen also shows the LAS score currently used in the match. If no LAS score has been entered, the Current LAS score is 0. No data can be changed in this screen, it is view only.

When the urgency code of the selected recipient is HU for combined HE/LU, the fields “Date Last (Re) evaluation”and ‘Date next Re-evaluation’ are filled. If the recipient has the national HU status for LU only, only the field “Date Last (Re) evaluation: is filled. If a HU HE/LU re-evaluation is accepted, Eurotransplant will change the ‘Date Last (Re) evaluation’. Then the field ‘Date next Re-evaluation’ will be updated automatically. The Button ‘Print Letter’ is also used by Eurotransplant. These are the letters send to the transplant centers with the date

the recipient has to be re-evaluated for HU.

At the bottom is shown: Next: Data belonging to waiting list lung". The button Next navigates to a screen offering you the possibility to enter data for the LAS score.

When a center enters the (national) HU status as urgency it is mandatory for the center to fill out the declaration, responsible physician and the date in the listing details screen.

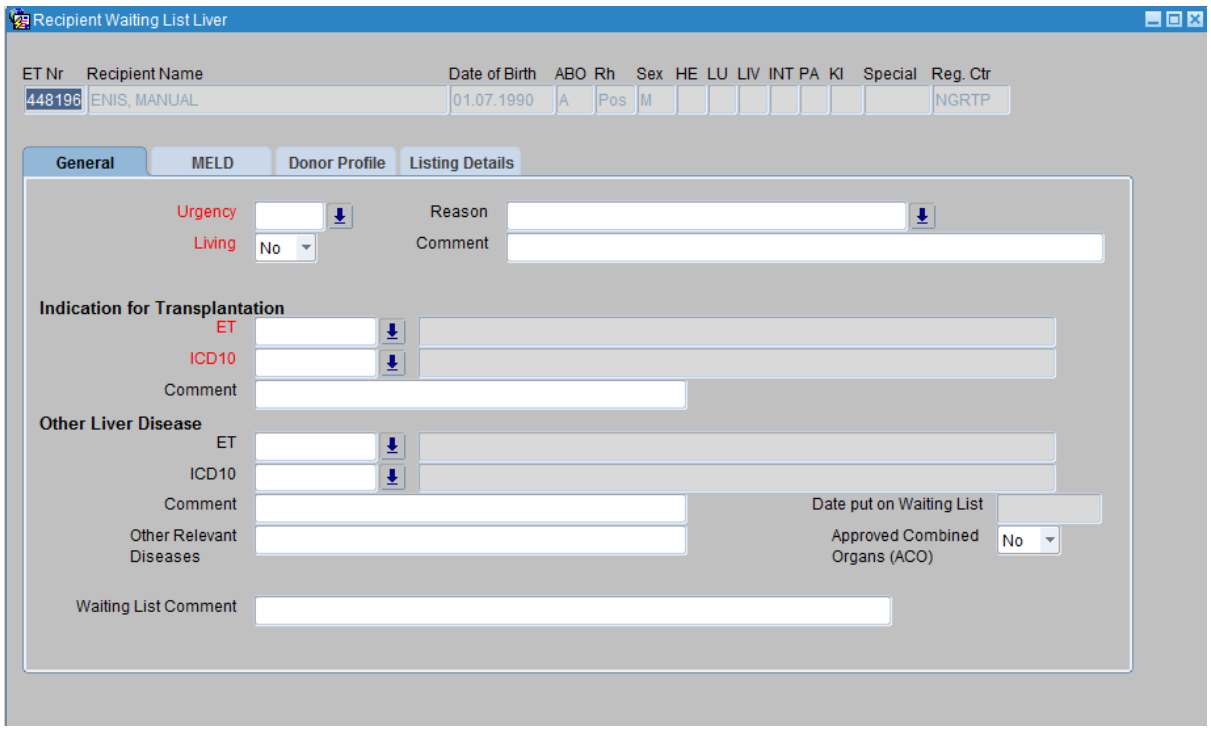


If you want to enter a LAS score for your recipient, click Thoracic Urgency Request. A web application is opened automatically, where a request for LAS score can be entered en send to ET. There is a separate manual for this application. The manual can be found on the ET member site, under Library. More information concerning the LAS score can be found on the ET website, under Projects and Themes.

If you don't want to enter a LAS score, click Finish. This is the last screen of the Recipient Registration Wizard.

If you have entered the LAS core, click Finish. By clicking Finish, the registration in Enis is completed.

3.1.11 Liver specific screen



The Liver organ screen contains four tab pages: General, MELD, Donor Profile and Listing Details.

General

On this first screen the urgency code and the indication for transplantation have to be registered. The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed).

Note: it is not possible to reregister a recipient on active status when no virology (Recipient – Medical) is entered

When urgency R or NT are entered, or changed to these statuses', it is mandatory to enter a reason. It is possible that the urgency doesn't change, but the reason does. E.g.: a recipient is NT, reason: Medical, and two days later the recipient is NT, reason: on request of recipient (Holiday). This is shown in the screen Status and Events (Recipient / Status and events). It is possible to enter a Comment on the urgency code.

Living (transplantation) is mandatory. By entering the screen, 'No' is automatically entered. This can be changed into 'Yes'. For non-German recipients the urgency will change automatically to NT. When a German recipient is put on the waiting list for a living transplantation, the urgency code must be transplantable at time of registration and transplantation, according to the German law.

The indication for transplantation is mandatory. A list of values is available (ELTR coding system) and a comment can be entered. For the German recipients it is also mandatory to enter the ICD10 code. Other liver diseases and other relevant diseases can also be entered. The disease codes can be found on the Eurotransplant membersite – Library - Forms.

The field 'Approved Combined Organs (ACO)' is a field that only can be entered by Eurotransplant. If a recipient is approved for an ACO status, the field will be put on 'Yes'. To request this status: use the required forms and send them to Eurotransplant.

Other comments on the waiting list registration can be entered in the field "Waiting list comment". This field is not used for matching or used in any other way by Eurotransplant. It

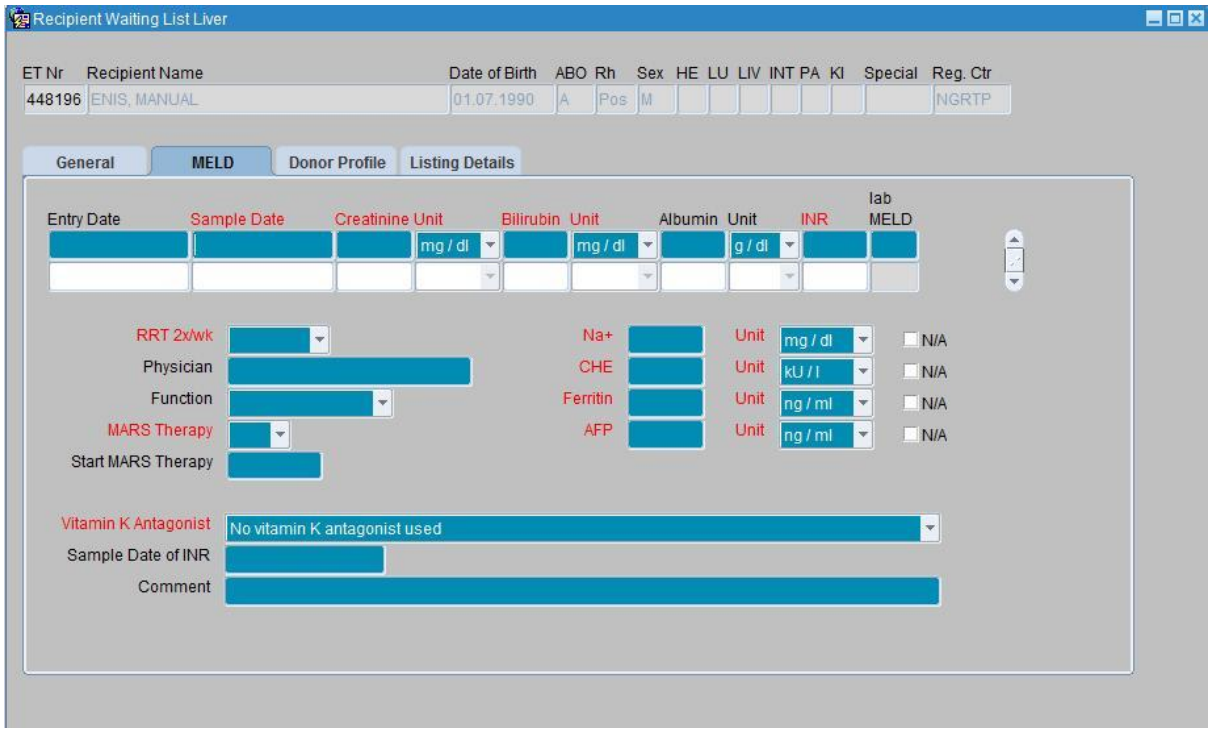
is for internal comments only

After entering all information, go to the next tab page.

MELD

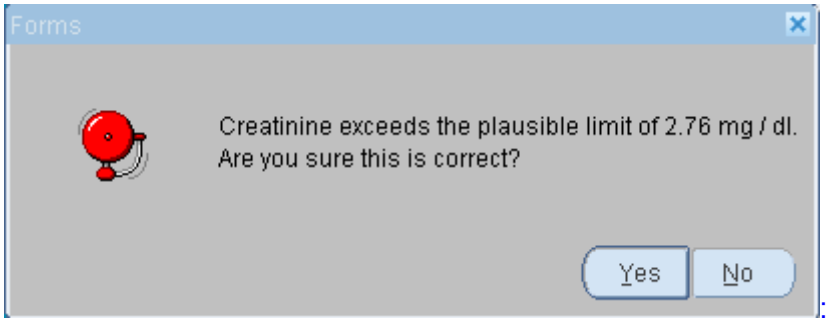
This screen must be used for registration of the initial MELD score and is sorted on Entry date.It is mandatory to enter lab results related to the MELD score at time of waiting list registration. Without the MELD score, it is not possible to register a liver recipient on the waiting list (active or inactive status).

The Meld score is calculated for all adult liver recipients. For all recipients younger than 16 the PELD score is calculated, but the score will not be shown (used for research purposes only).



All laboratory values and units are mandatory, except for Albumin. Albumin is only mandatory fot pediatric recipients. The sample date can be filled by using F9 which shows a calendar list or simply type the date.

Note: if you enter values for Creatinine, Bilirubine or INR that exceed a defined level, a warning appears. For example, this is the warning for Creatinine:



:

Please check if the entered value is correct. If they are correct, select “Yes”. You can proceed with the entry of data.If the entered value is not correct, select “No” and change the

entered value.

There can now be chosen between two different units for Creatinin and Bilirubin: mg/dl, µmol/l.

RRT 2xwk (RRT=Renal replacement therapy) indicates if the recipient is undergoing renal replacement therapy twice per week or not. If the recipient has this type of therapy, the name of the responsible pfysician must be entered in: “Physician”. The function of the pfysician must be entered in “Function” This field has two optins: Intensivist of Nepfrologist.

The field MARS Therapy indicates if the recipient is currently on “Molecular Adsorbents Recirculation System” therapy or not. If MARS therapy is used, the creatinine and bilirubin value measures prior to the start of this support therapy may be used to calculate the MELD score.

The fields Na+, CHE, Ferritin and AFP are added on request of the ELIAC committee, to be able to investigate the influence of these Lab values on the MELD score. It has no influence on the MELD score itself. Sodium has an extra unit besides mg/dl and µmol/l: mmol/l. Cholinesterase (CHE) has the following units: kU/l (kilo Unit per liter) or U/l. For Albumin g/dl or g/l can be chosen. For Ferritin and Alfa-Fetoprotein (AFP) the units are ng/ml or ug/l.

If the values for Sodium, Cholinesterase, Ferritin or AFP are not available, select the checkbox N/A.

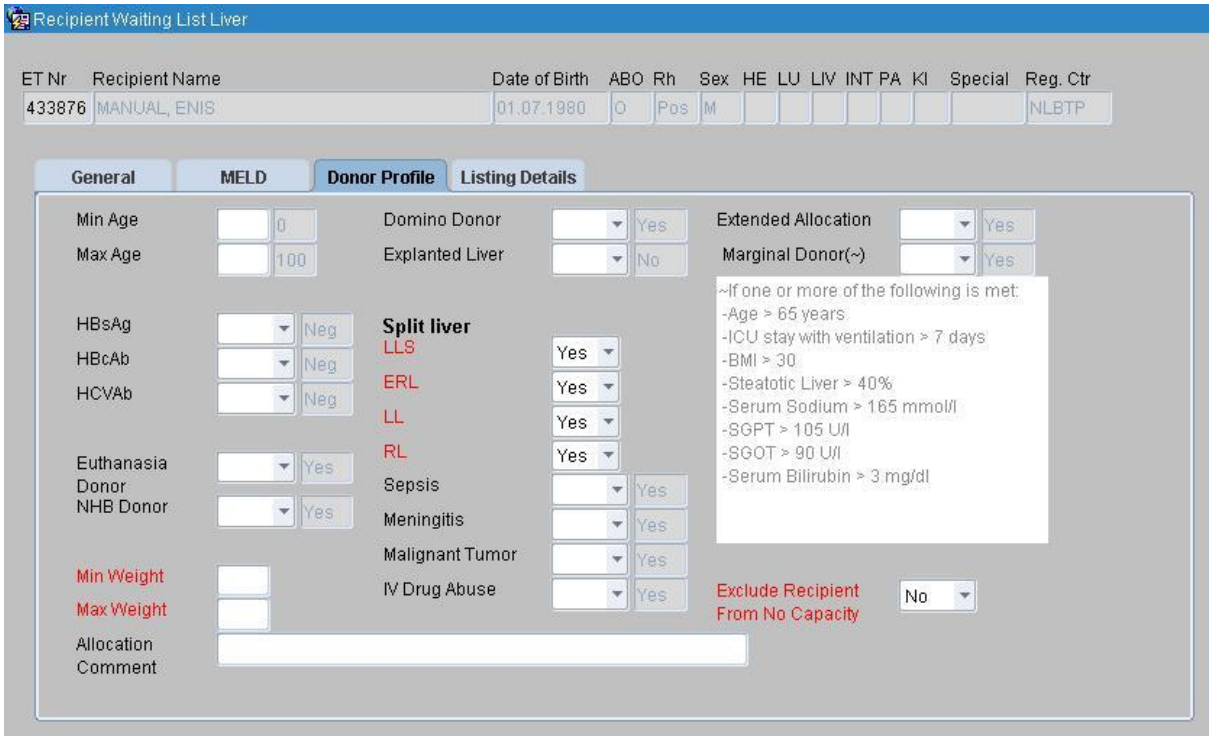
The field Vitamine K antagonist indicates if the recipient receives oral Vitamin K or received this and stopped for at least two weeks before determination of the INR. If the recipient is using Vitamin K the INR sample date is mandatory. The information on Vitamine K is mandatory for all countries except Germany

A ‘Comment’ can be entered for each row of results.

Note: If the recipient needs to be Recertified you must use the MELD application on the ET member site. Reconfirmation is not possible in the ENIS screens.

After entering all information, go to the next tab page.

Donor Profile



On this tab page the recipient specific liver donor profile can be entered. The red fields are mandatory. In case the not mandatory items are not entered, the computer will use the Center Donor Profile for matching. The recipient specific profile has always priority over the center specific profile. Next to the items you can fill out, you see the center profile in view-only fields.

The following requirements can be entered:

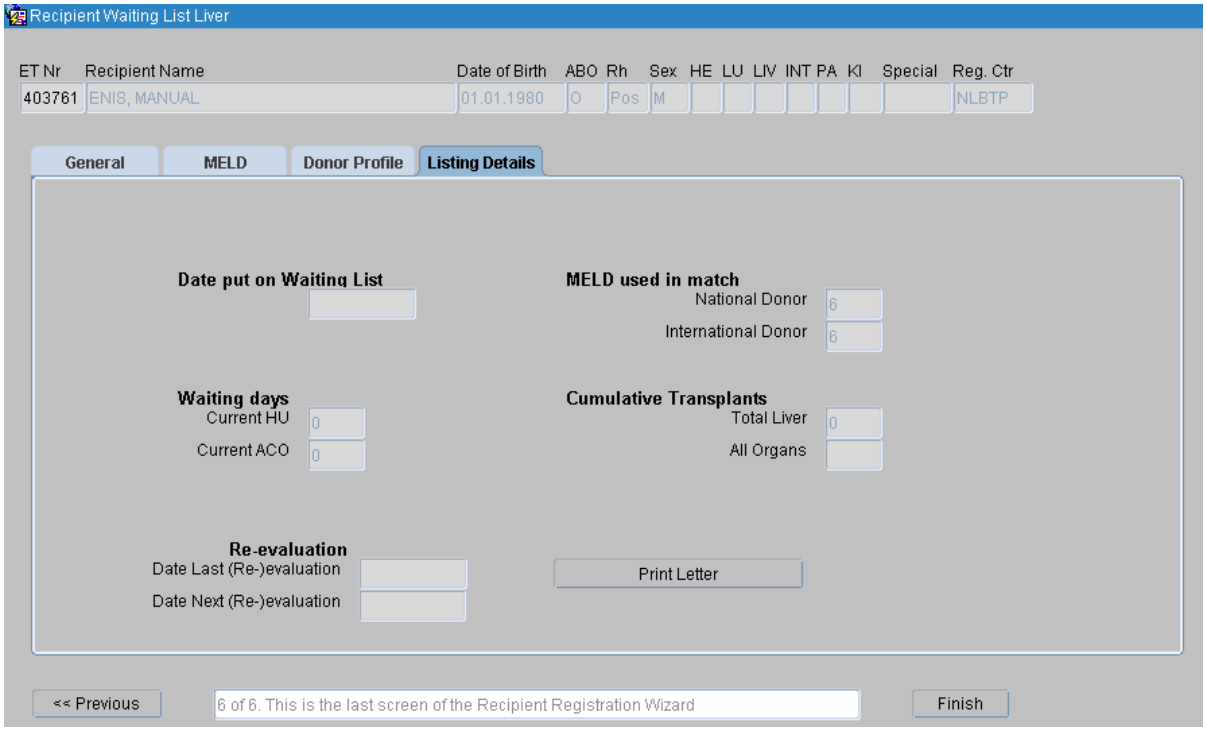
- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
- Euthanasia donor
  This is a Yes/ No field. ‘Yes’ means euthanasia donors are accepted, ‘No’ means they are not accepted for this recipient.
- NHB Donor
  This is a Yes/ No field. ‘Yes’ means non-heart beating donors are accepted, ‘No’ means they are not accepted for this recipient.
- Min Weight, Max Weight
  Mandatory: minimum and maximum acceptable donor weight. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
- Domino Donor, Explanted Liver
  These are Yes/ No fields, indicating whether a domino donor or explanted liver is accepted or not.
- Split Liver
  Mandatory: these are Yes/ No fields, indicating whether a split liver is accepted or not. There are four possible splits: LLS (Left Lateral Segment), ERL (Extended Right Lobe), LL (Left Lobe), RL (Right Lobe). For each one has to be entered if it is accepted or not.

- Sepsis, Meningitis, Malignant Tumor, IV Drug Abuse
  These are Yes/ No fields. ‘Yes’ means these donors are accepted, ‘No’ means they are not accepted for this recipient.
- Extended Allocation
  This is a Yes/ No field. ‘Yes’ means offers via Extended allocation are accepted, ‘No’ means offers via Extended allocation are not accepted for this recipient
- Marginal Donor
  This is a Yes/ No field, indicating whether a marginal donor is accepted or not. A donor is a marginal donor when one of the following items is met:
  - Age > 65 years
  - ICU stay with ventilation > 7 days
  - BMI > 30
  - Steatotic liver > 40% (Biopsy proven)
  - Serum Sodium > 165 mmol/l
  - SGPT (ALAT) > 105 U/l
  - SGOT (ASAT) > 90 U/l
  - Serum Bilirubin > 3 mg/dl
- Exclude Recipient from No Capacity
  This is a Yes/ No field. ‘Yes’ means that this recipient will appear on the ET match list, if the center has no capacity. ‘No’ means that this recipient will not appear on the ET match list, if the center has no capacity.

Note: The entered donor profile is not taken in account when a recipient has the status HU.

The field “Allocation Comment” contains additional profile information or requests important for organ allocation. It is read only, you can not enter any comments here

Listing Details



This tab page shows the waiting list details. The date put on waiting list is shown and the MELD score used for a National/ International donor.

The part Waiting Days show the waiting days (for HU/ACO) and the cumulative transplants ar shown for the liver only and all organs..

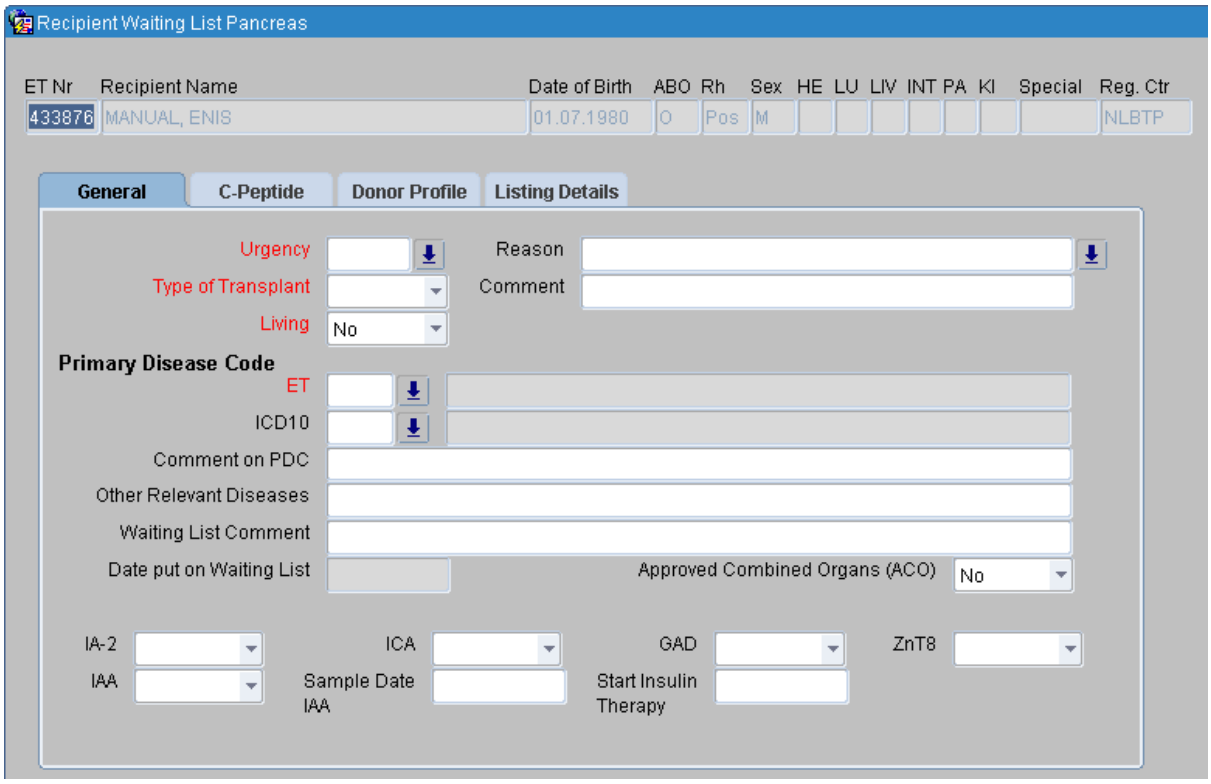
If the recipient has the HU status for Liver, this HU status must be re-evaluated every 14 days. Date last (Re-) evaluation shows the date of the last evaluation of the HU status. Date next Reevaluation shows the date the HU status has to be evaluated. More information can be found in the ET manual, under Library on the ET Membersite.

No data can be changed in this screen, it is view-only.

When this is the last screen in the recipient registration wizard, at the bottom is shown: This is the last screen of the Recipient Registration Wizard. The Next button has changed into a Finish button. By clicking Finish, the registration is completed.

3.1.12 Pancreas specific screen

The Pancreas organ screen contains four tab pages: General, C-Peptide, Donor Profile and Listing Details.



General

On this first tab page the urgency code, type of transplant and, primary disease code have to be registered, these are mandatory items.

The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed).

When urgency R or NT are entered, or changed to these statuses', it is mandatory to enter a reason. It is possible that the urgency doesn't change, but the reason does. E.g.: a recipient is NT, reason: medical, and two days later the recipient is NT, reason: on request of recipient (Holiday). This is shown in the screen Status and Events (Recipient – Status and events). It is possible to enter a Comment on the urgency code.

Note: it is not possible to reregister a recipient on active status when no virology (Recipient – Medical) is entered

Type of Transplant is mandatory. Has the recipient to be put on the waiting list for a vascularized Pancreas (PA) or only islets (IS).

Living (transplantation) is mandatory. For non-German recipients the urgency will change automatically to NT. By entering the screen, 'No' is automatically entered. This can be changed into 'Yes'. When a German recipient is put on the waiting list for a living transplantation, the urgency code must be transplantable at time of registration and transplantation, according to the German law.

The ET code is mandatory. An LOV (list of values) is available and a comment can be entered. If there is a corresponding ICD10 code, the system will fill this in automatically. If

there are multiple corresponding options, the LOV will be limited to these options. Some ET codes need further specification. The field 'Comment on PDC' will then become mandatory, e.g.: ET code 4 other. For the German recipients it is mandatory to enter the ICD10 code. Other relevant diseases can also be entered.
The disease codes can be found on the Eurotransplant membersite – Library - Forms.

Other comments on the waiting list registration can be entered in the field "Waiting list comment". This field is not used for matching or used in any other way by Eurotransplant. It is for internal comments only

The Date put on Waiting List will default to today and cannot be changed by remote users.

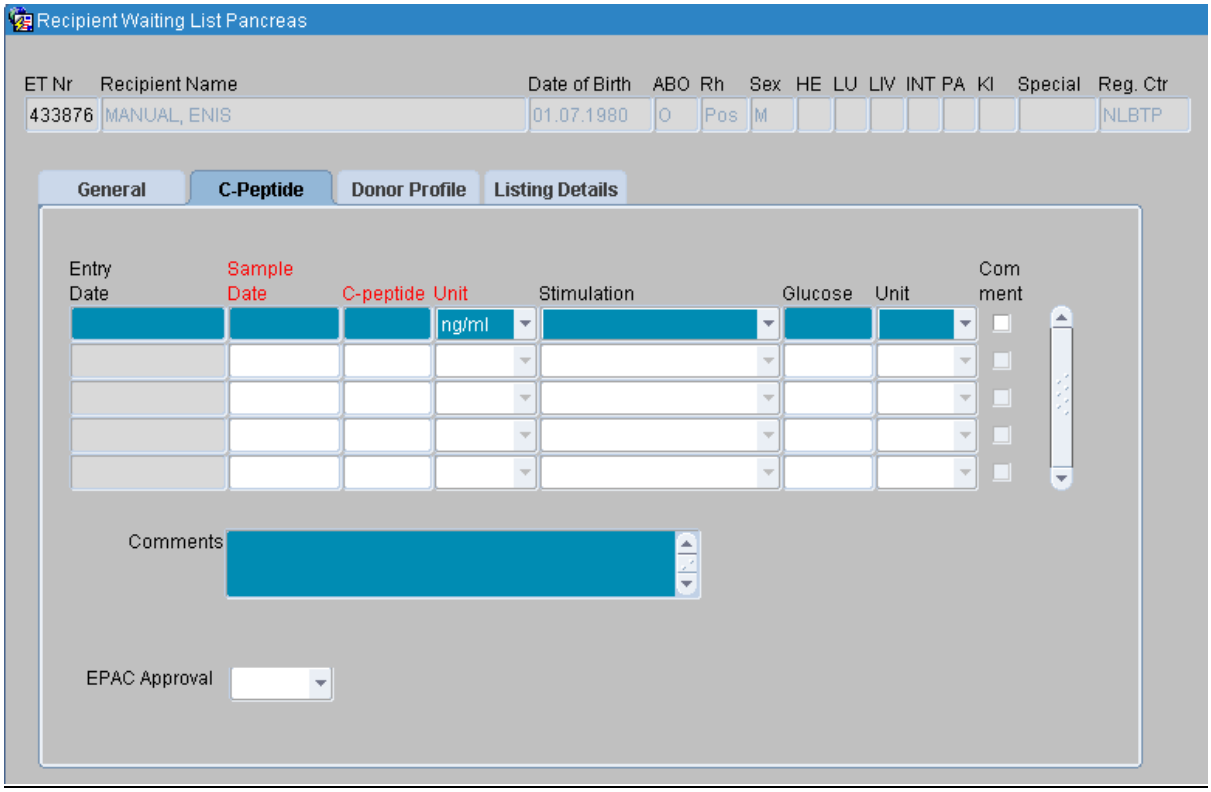
The field 'Approved Combined Organs (ACO)' is a field that only can be entered by Eurotransplant. If a recipient is approved for an ACO status, the field will be put on 'Yes'. To request this status: use the required forms and send them to Eurotransplant.

The fields "IA-2", "ICA" , "GAD" and "ZnT8" are not mandatory. Enter in these fields if the antibodies are 'Negative' or 'Positive'. Not tested is also available.

A diabetic recipient can be listed on the Transplantable urgencycode if the B-cell antibodyscreening (IA-2, ICA and/or GAD) is positive or has been positive in the past.

After entering all information, go to the next tab page.

C-Peptide



On this tab page the C-Peptide value of the recipient, with the sample date, must be entered. It is mandatory and the value must be >0. When there is no C-Peptide entered or the value is higher than 0.5 ng/ml or 0.17 nmol/l, the recipient will automatically have the status NT. Until the C-Peptide is entered, this status cannot be changed.

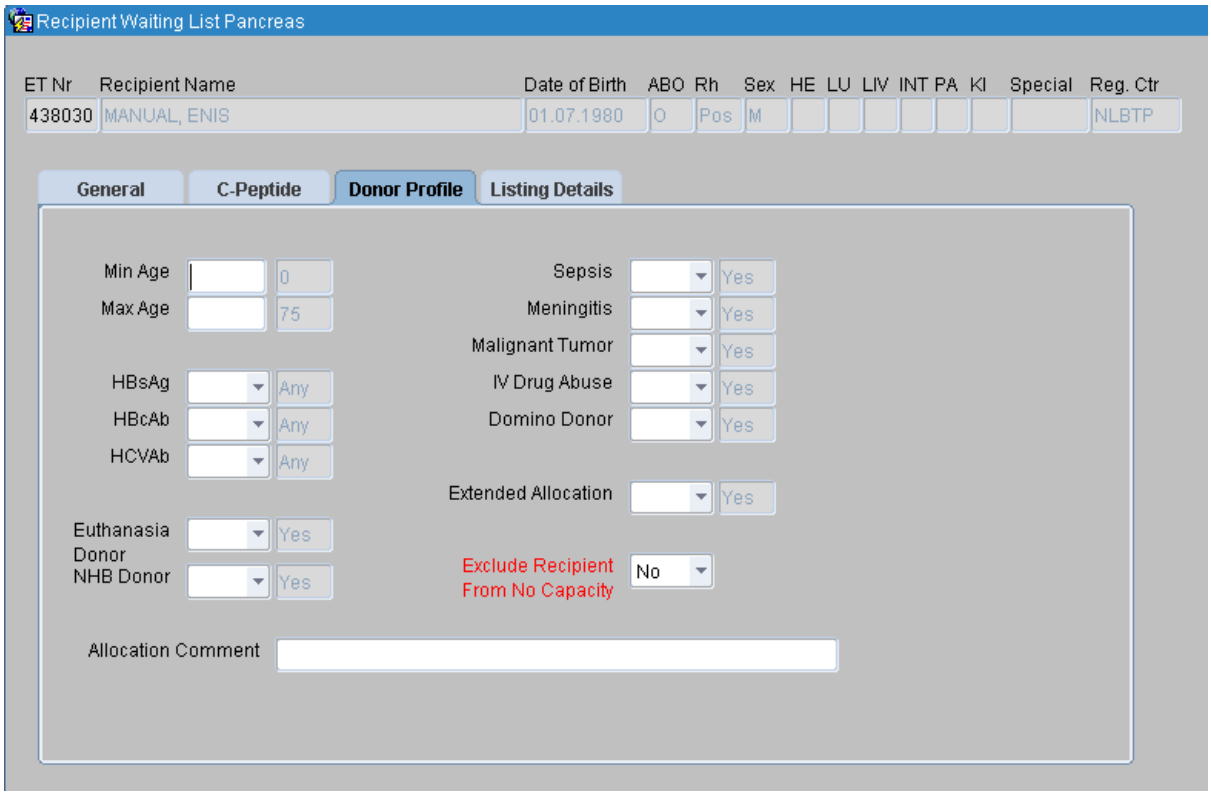
Stimulation and the value of Glucose can be entered, the units availabe are mg/dl of mmol/L. This data is not manadory.

Comments on the C-Peptide can be entered

When the C-peptide is too high, then a request for Listing on the Pancreas Waitinglist should be sent to ET together with the clinical history and the data of the recipient. The request will be evaluated by members of the ET Pancreas Advisory Committee (EPAC).
If the EPAC approves the registration on urgency “T”, ET enters ‘Yes’ in the field “EPAC Approval”. After this, the urgency of the recipient can be changed to urgency T.

After entering all information, go to the next tab page.

Donor Profile



On this tab page the recipient specific pancreas donor profile can be entered. It is not mandatory. Next to the items you can fill out, you see the center profile in view-only fields. The recipient specific profile has always priority over the center specific profile. When there is no data filled out, the computer will use the center donor profile for matching.

The following requirements can be entered:

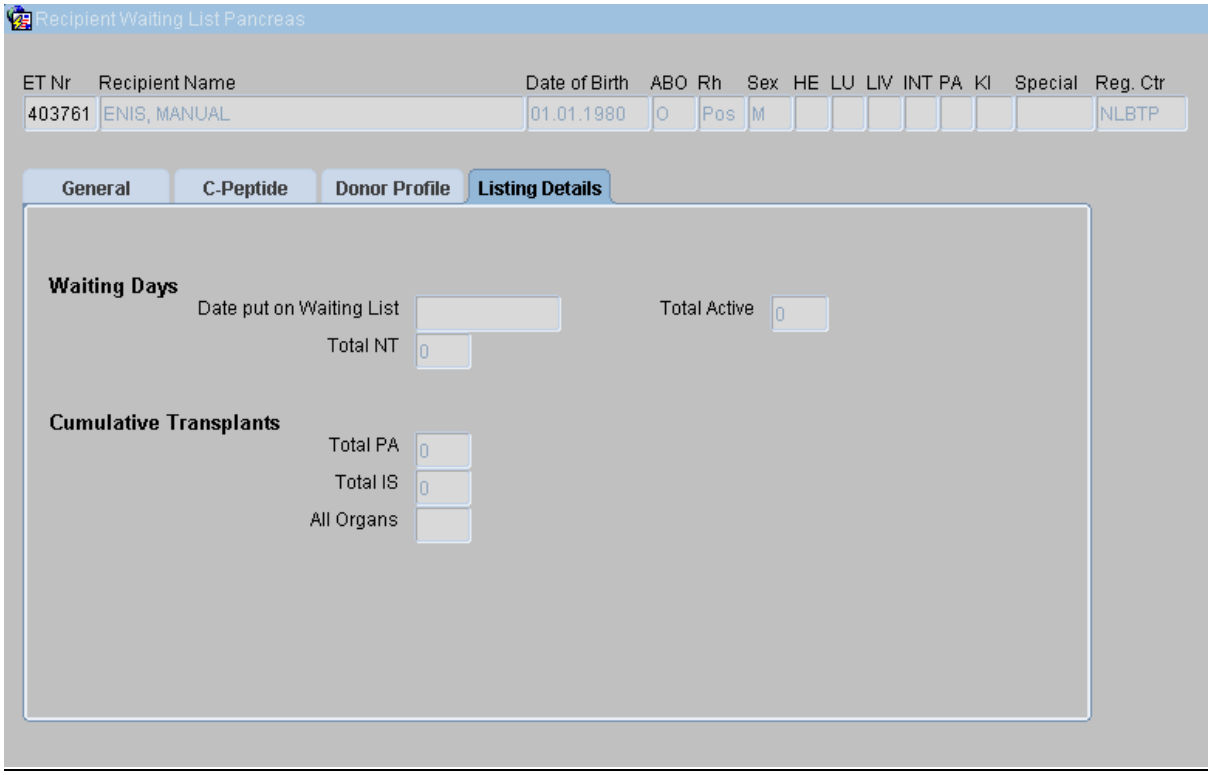
- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- HbsAg, HbcAb, HCVAb
  There are two possible entries: “Any” and “Neg”, selectable by the arrow. Any means that positive and negative donors are accepted. When entering “Neg”, only negative donors will be accepted.
- Euthanasia donor
  This is a Yes/ No field. ‘Yes’ means euthanasia donors are accepted, ‘No’ means they are not accepted for this recipient.
- NHB Donor

This is a Yes/ No field. ‘Yes’ means non-heart beating donors are accepted, ‘No’ means they are not accepted for this recipient.

- Sepsis, Meningitis, Malignant Tumor,IV Drug Abuse, Domino Donor
  These are Yes/ No fields. ‘Yes’ means these donors are accepted, ‘No’ means they are not accepted for this recipient.
- Extended Allocation
  This is a Yes/ No field. ‘Yes’ means offers via Extended allocation are accepted, ‘No’ means offers via Extended allocation are not accepted for this recipient
- Exclude Recipient from No Capacity
  This is a Yes/ No field. ‘Yes’ means that this recipient will appear on the ET match list, if the center has no capacity. ‘No’ means that this recipient will not appear on the ET match list, if the center has no capacity.

The field “Allocation Comment” contains additional profile information or requests important for organ allocation. It is read only, you can not enter any comments here

Listing Details



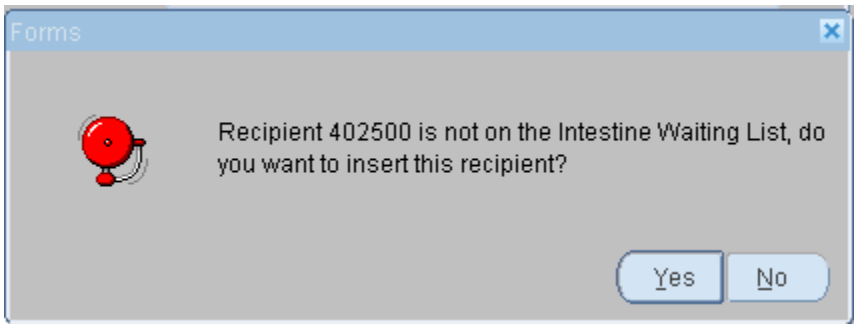
This tab page shows the waiting list details. It is an overview of waiting days (Total active (T+SU) and total NT), and the cumulative transplants. No data can be changed in this screen, it is view only.

When this is the last screen in the recipient registration wizard, at the bottom is shown: This is the last screen of the Recipient Registration Wizard. The Next button has changed into a Finish button. By clicking Finish, the registration is completed.

Note: it is NOT POSSIBLE to enter the recipient specific donor requirements in the recipient specific kidney profile when the recipient is on the combined kidney/pancreas waiting list. You can only enter these requirements in the recipient specific pancreas profile.

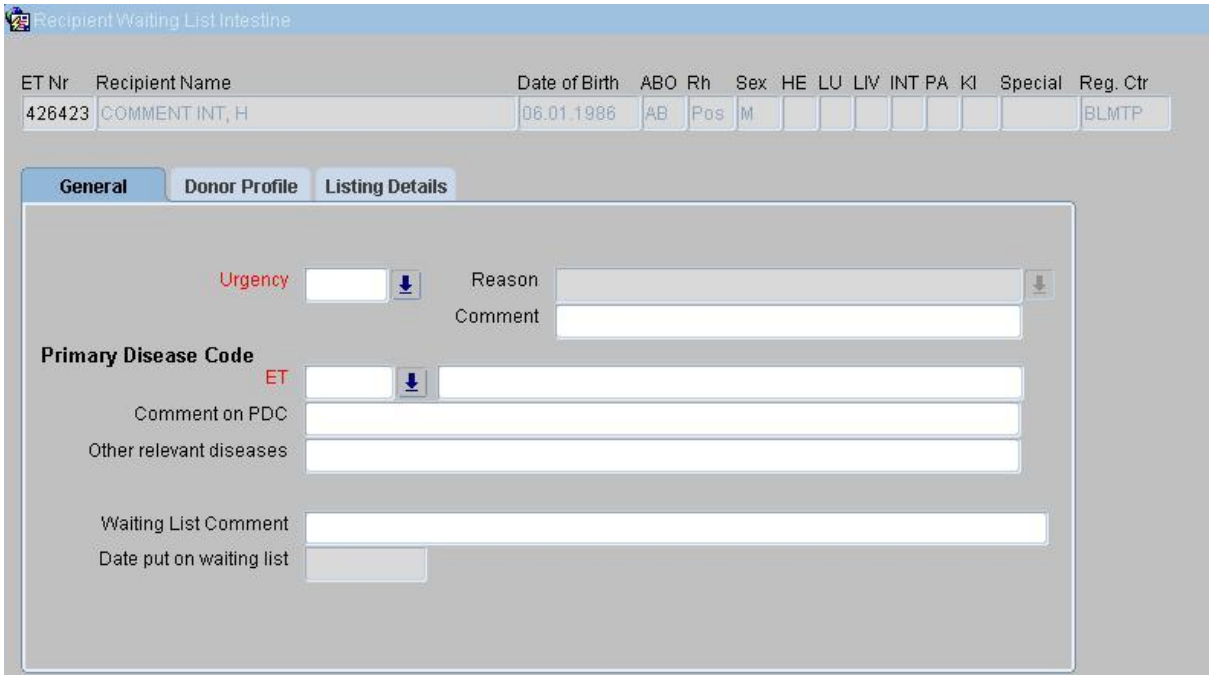
3.1.13 Registration of an intestine recipient

There is a waiting list screen for registration of intestine recipients available. This screen is not in the registration cascade yet.
When an intestine only recipient has to be registered, enter the recipient as all other recipients (via New – Recipient Registration). After the first screen with recipient data, choose Next. The next screen is the Choose Organ(s) screen.
If you are registering an intestine only recipient, do not select an organ, but click the “Next” button to proceed with the registration cascade. If the recipient you are registering is a combined recipient (e.g. Liver/ Intestine), select the other organs in this screen (in this example Liver) and continue with the cascade. The Medical screen is mandatory (blood group), other data such as HLA and the results of the antibody screening can be entered.
When you are finished with data entering, go to Recipient – Organ – Intestine. As soon as you open this screen, a promt will appear:



Select Yes. The screen wil be available for you to enter all data concerning waiting list details and donor profile.
The intestine organ screen contains three tab pages: General, Donor Profile and Listing Details.

General



On this first screen the urgency code and the indication for transplantation have to be

registered. The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed).
Note: it is not possible to reregister a recipient on active status when no virology (Recipient – Medical) is entered
There is one more code, the code FU. This code means the recipients is transplanted. This status can only be entered by Eurotransplant and removes the recipient from the intestine waiting list.
When urgency R or NT are entered, or changed to these statuses', it is mandatory to enter a reason. It is possible that the urgency doesn't change, but the reason does. E.g.: a recipient is NT, reason: Medical, and two days later the recipient is NT, reason: on request of recipient (Holiday). This is shown in the screen Status and Events (Recipient / Status and events). It is possible to enter a Comment on the urgency code.

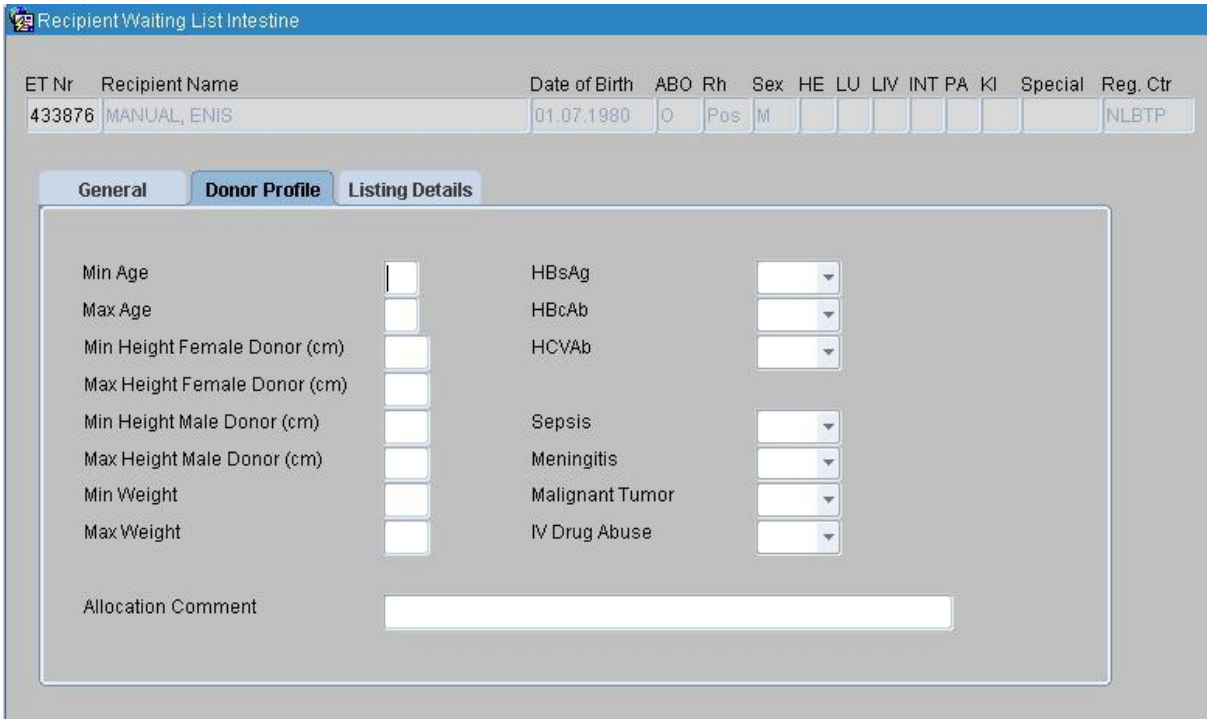
The indication for transplantation is mandatory. A list of values is available (ELTR coding system) and a comment can be entered.
Other intestine diseases and other relevant diseases can also be entered in the two comment fields.

Other comments on the waiting list registration can be entered in the field "Waiting list comment". This field is not used for matching or used in any other way by Eurotransplant. It is for internal comments only

The Date put on Waiting List will default to today and cannot be changed by remote users.

After entering all information, go to the next tab page.

Donor Profile



On this tab page the recipient specific intestine donor profile can be entered. The following requirements can be entered:

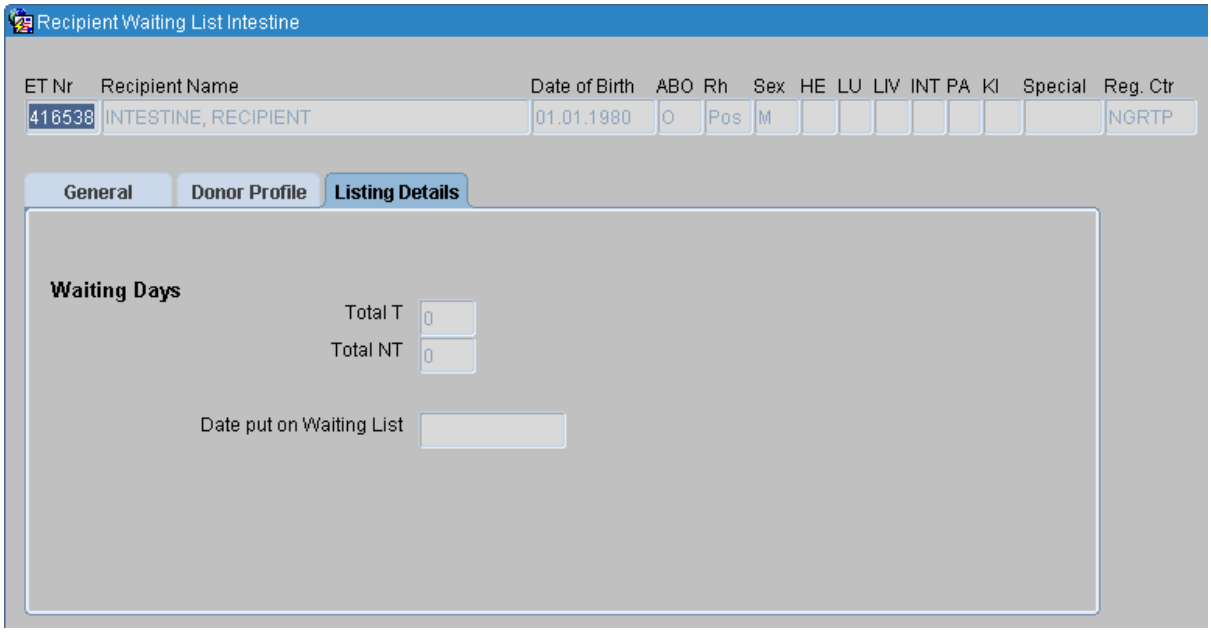
- Min Age, Max Age
  Minimum and maximum acceptable donor age.

- Min Height Male/Female Donor (cm), Max Height Male/Female Donor (cm)
  minimum and maximum acceptable donor height in centimeters. Only whole numbers can be entered.
- Min Weight, Max Weight
  Minimum and maximum acceptable donor weight. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
- Sepsis, Meningitis, Malignant Tumor, IV Drug Abuse
  These are a Yes/ No fields. 'Yes' means these donors are accepted, 'No' means they are not accepted for this recipient.

. The field "Allocation Comment" contains additional profile information or requests important for organ allocation. It is read only, you can not enter any comments here

There are no mandatory fields in this screen.
Note: when the recipient needs an intestine in combination with any other organ, register the recipient and put the recipient for the other organ(s) on the waiting list. Then register the recipient as described above.

Listing Details



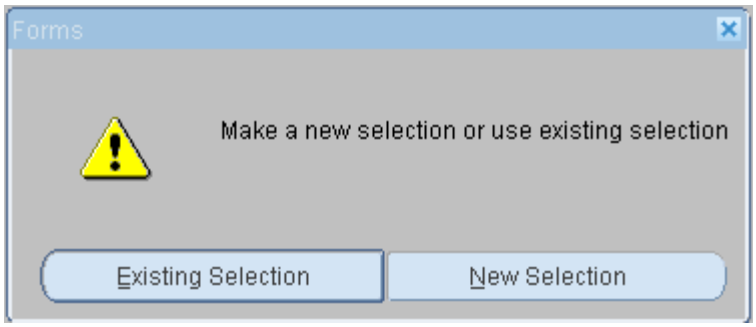
This tab page shows the waiting list details. It is an overview of waiting days on T and NT and the date put on the waiting list.No data can be changed in this screen, it is view only.

3.2 Other Screens

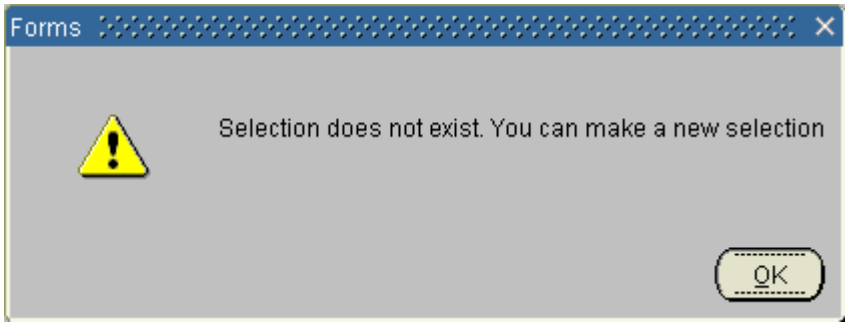
3.2.1 Antibody Screening per Center

For all recipients on the kidney waiting list, an actual antibody screening *has* to be available. Every three months the antibody screening must be repeated for all recipients of a transplant center (XXXTP), on urgency T or NT on the kidney waiting list. These repeated antibody screenings are arranged simultaneously for all recipients in a center. The results can be registered simultaneously in the screen Antibody screening per Center.

Go to Recipient – Immunological Results – Antibody screening – Register per center. When you open the screen, one of the following prompts appears:

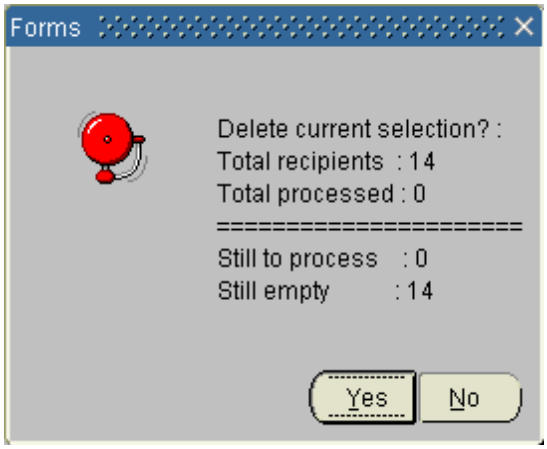


or:



When the second prompt appears click OK.
When the first prompt appears: choose ‘New Selection’ if you want to make a new selection, or choose ‘Existing Selection’ if you want to use a selection that already exists.

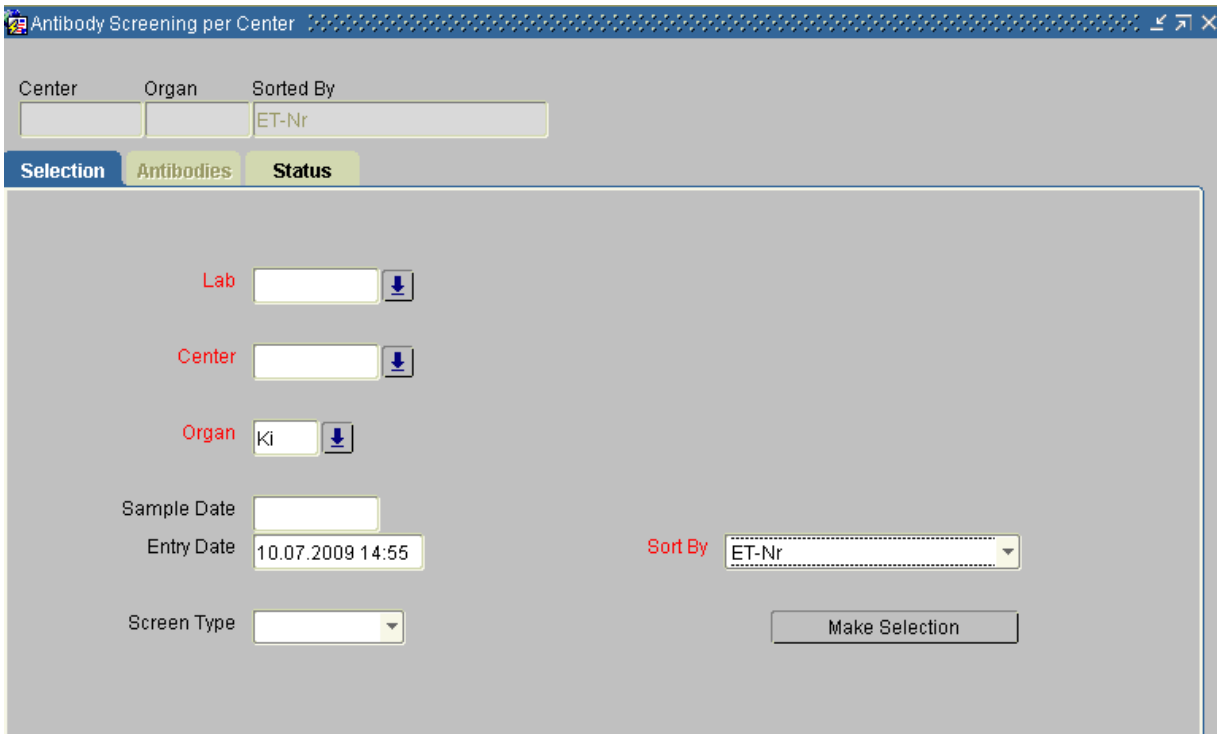
If you choose to make a New Selection, the following message appears:



In this message the status of the recipients is shown. Choose ‘Yes’ if you want to delete the current selection and choose ‘No’ if you don’t want to delete the current selection.

The screen contains three tab pages: Selection, Antibodies and Status. On the top of the screen the Center, Organ and Sort order (Sorted By) of the selection made in the tab page Selection are shown.

Selection



In this screen a selection can be made of recipients per center for whom antibody screenings have to be determined and entered. You can make a selection for each organ or for combined Kidney/Pancreas recipients. For each recipient, laboratory test data, antibody screening percentages and specificities are registered.

Center, Lab and Organ are mandatory fields for which an LOV is available (F9 or arrow). Lab is the antibody screening laboratory and default filled with the laboratory for which you are authorized. When you are authorized for more than one center it is not filled automatically. Organ is automatically filled with “KI”.

Sample Date is the date the test sample was collected. When this date is entered, this date will be updated in all recipient records, but is changeable per recipient in the tab page Antibodies.

The Entry Date is default filled with the current date and time and cannot be changed.

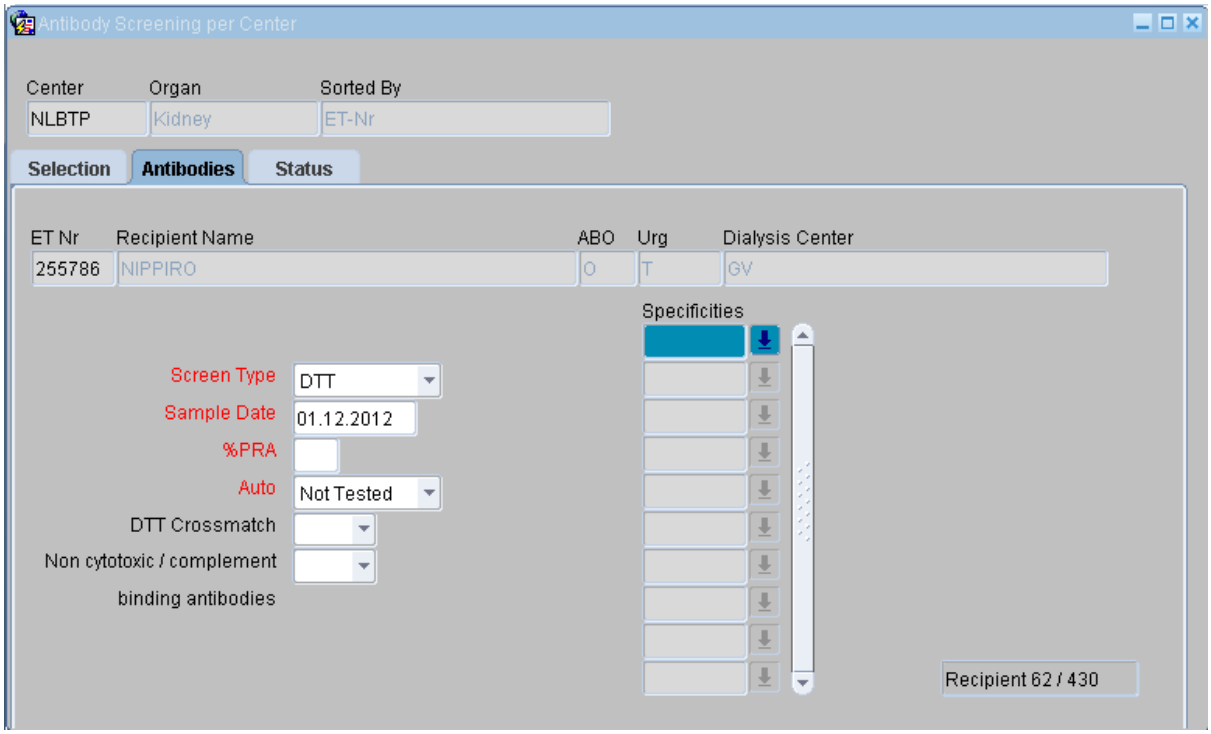
Screen Type is the antibody screening method that has been used. An LOV is available with the following values: DTT, Elisa, CDC, Luminex, Other and Virtual PRA.

Sort By is a mandatory field and is automatically filled with ET-Nr. With the LOV you can choose the sorting order you want.

By clicking the button ‘Make Selection’ (or Change Selection if you chose to use an existing selection) the system navigates to the Antibodies tab page to show the first recipient record of your selection.

Antibodies

In this tab page the recipients of the existing selection are shown, one recipient at a time. For each recipient the antibody screening data can be entered. The fields Center, Organ and Sorted By on top of the screen are now filled with data of your selection.



The tab page ‘antibodies’ shows a recipient header. For each recipient ET number, name, blood group, urgency and dialysis center is shown.
Note: If you selected combined Kidney/ Pancreas recipients, both urgencies (statusses on the kidney and on the pancreas waiting list) are shown in the field “Urg” first the kidney urgency, then the panceas urgency

Screen Type, Sample Date, %PRA and Auto are mandatory. When you have filled out the sample date and/or screen type in the tab page selection, they will be shown in this screen. It is possible to change them.

Screen Type is the antibody screening method that has been used. An LOV is available.
Sample Date is the date the test sample was collected.
%PRA is the percentage of allo-antibodies, it is a numeric field which is validated to allow any whole number from 0 up to (and including) 100.

Auto means weather there are auto-antibodies present or not. When Auto is positive, DTT crossmatch has to be ‘Yes’. An LOV is available.

The percentage of antibodies can change the urgency status if the recipient is registered on the kidney waiting list with urgency T, I or HI (see organ screen for detailed information).

The next field, DTT Crossmatch, is not mandatory. You can fill in ‘Yes’ or ‘No’ via the arrow, whether a crossmatch with DTT is needed for this recipient or not.

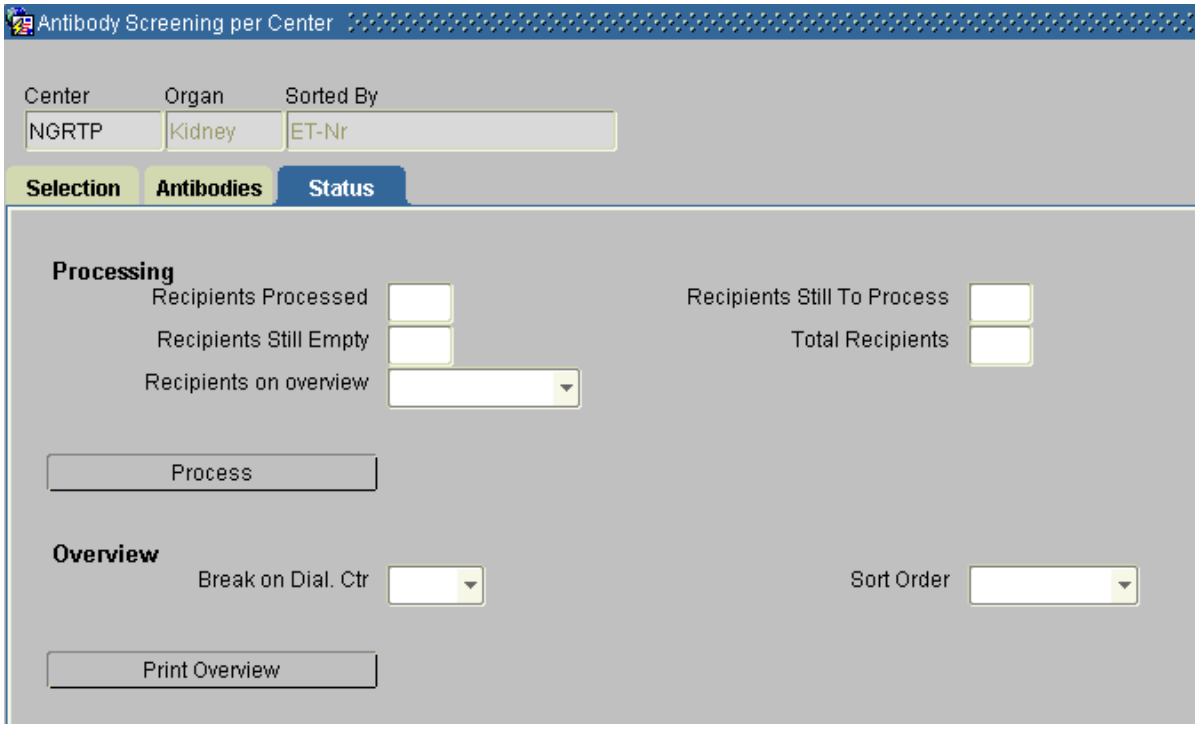
If a recipient has Non-cytotoxic/ complement fixing antibodies, please enter “Yes”. If not, select No.
When there are Specificities, you can enter them in this tab page. Default the specificities from the most recent sample date are copied in a new set.

When your cursor is in the ET Nr field you can navigate to the previous or next recipient by using the up and down arrows or page-up and page-down.

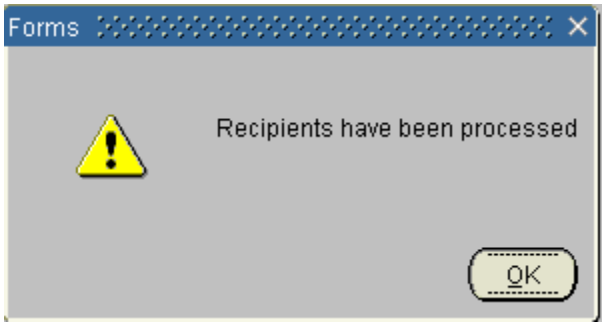
Note: you can save the data for each recipient, but it is still possible to change the data until you haven processed. It is recommended to periodically save the data that is entered to the database.

When you have entered all your recipients you can go to the tab page ‘Status’ to process the data.
Note: If the number of screenings to be processed is over 50, bulk PRA lab results may also be sent via an encrypted e-mail to Eurotransplant. Instructions can be found on the ET Membersite. Go to Library – Specifications for bulk PRA file transfer.

Status



In this tab page the status of the existing selection is shown.
‘Recipients Processed’ is the number of recipients in the selection that are already processed. ‘Recipients Still to Process’ is the number of recipients in the selection that still have to be processed. Please note the difference between records saved and records processed as explained on the top of this page. The button ‘Process’ is to start processing. All recipients with saved antibody screening data are processed. You will get the following message:



'Recipients Still Empty' is the number of recipients for whom antibody screening data still have to be entered.

The entered antibody screening data is saved in a temporary set. The data is only transferred to the recipient antibody screening results in ENIS after the 'Process' button in the Status tab is clicked. The progress of the registration process can be monitored online using a status view.

An overview report can be shown on screen, and can be printed, to show the status of antibody screening data entry of the individual recipients.

With the field 'Recipients on overview' you can choose which recipients you want to print: all recipients, recipients who have processed or recipients who haven't been processed. An LOV is available.
With the fields 'Break on Dialysis Center' and 'Sort Order' you can influence the way the data is shown on the report which you can print with the 'Print Overview' button.
First you have to choose if you want a Break on Dialysis Center: 'Yes' or 'No'. Then you can sort on different items, an LOV is available.
On this report the entered data is shown

20.02.2008 19:35:41

Antibody Screening per Center - Overview

Database: beta1

For center: NRDTP Sorted by: ET-nr Page Break: No Processed by: JVANDERDEIJ Show all recipients

Organ: Kidney

Nr.	P	ET Nr.	Recipient Name	Dial. Center	ABO	Urg	Entry Date	Lab	Sample Date	%PRA	Auto	DTT Cross match	Specificities
1	N	003894	PUIMKWUH	DD	A	NT	20.02.08	NRDTT	20.02.2008	0	Pos	Y	
2	N	005789	ITPEVIM	RC	O	I	20.02.08	NRDTT	20.02.2008		NT		
3	N	005790	TRUOFULV	DD	O	T	20.02.08	NRDTT	20.02.2008		NT		
4	N	007004	G EH P	RC	O	I	20.02.08	NRDTT	20.02.2008		NT		
5	N	012966	LEYI PI	VV	B	NT	20.02.08	NRDTT	20.02.2008		NT		
6	N	015963	HEILUH LEHILOE	RF	O	NT	20.02.08	NRDTT	20.02.2008		NT		

Per recipient the following data is shown:

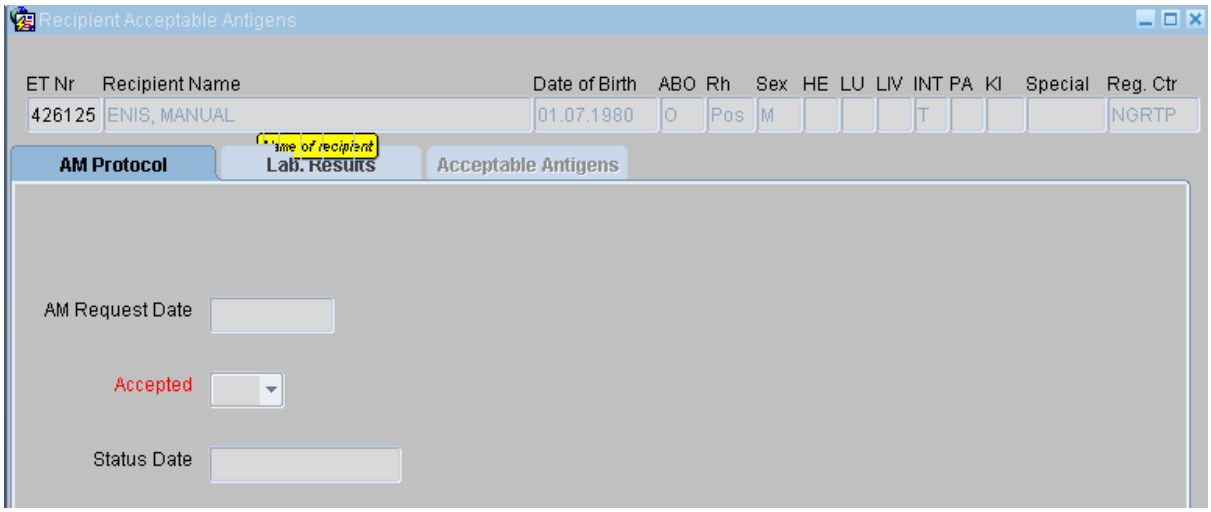
- Recipient data: ET number, Name, Dialysis center, ABO, Urgency.
- Antibody screening data: Status (Processed Y/N), entry date, Laboratory, Sample date, PRA%, Auto-antibodies, DTT cross match needed Y/N and specificities.

If you entered results for combined Kidney/ Pancreas recipients, both urgencies are shown on this report: first the kidney urgency, then the panceas urgency.
You can exit ENIS at any time and start the same selection at any time.
Note: we recommend processing data already entered, before leaving ENIS. Remember if you change or remove the old selection, it cannot be used again.

3.2.2 Acceptable antigens

There is a screen for the registration of acceptable antigens for a recipient. The acceptable antigens are only entered for recipients on the kidney waiting list, who participate in the AM program of the Eurotransplant Reference Laboratory (ETRL).

To enter the acceptable antigens, select Recipient – Immunological Results – Acceptable Antigens. Only the Eurotransplant Reference Laboratory (ETRL) is allowed to enter information in this screen. For the other users, this screen is view-only.

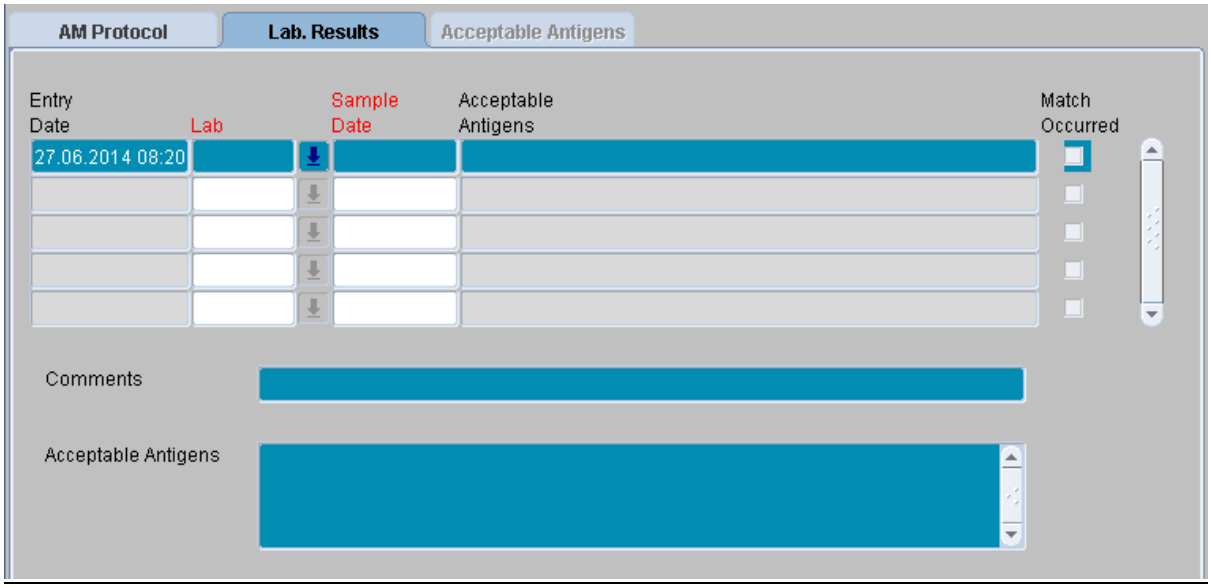


The acceptable antigens screen contains three tab pages: AM Protocol, Lab. Results and Acceptable Antigens.

AM Protocol

This is a screen to register that a request to participate in the AM program is accepted or declined. The request date is entered and the date the request is accepted or declined. By entering the acceptance status for the AM Program, a recipient will participate in the AM matching process.

Lab. Results



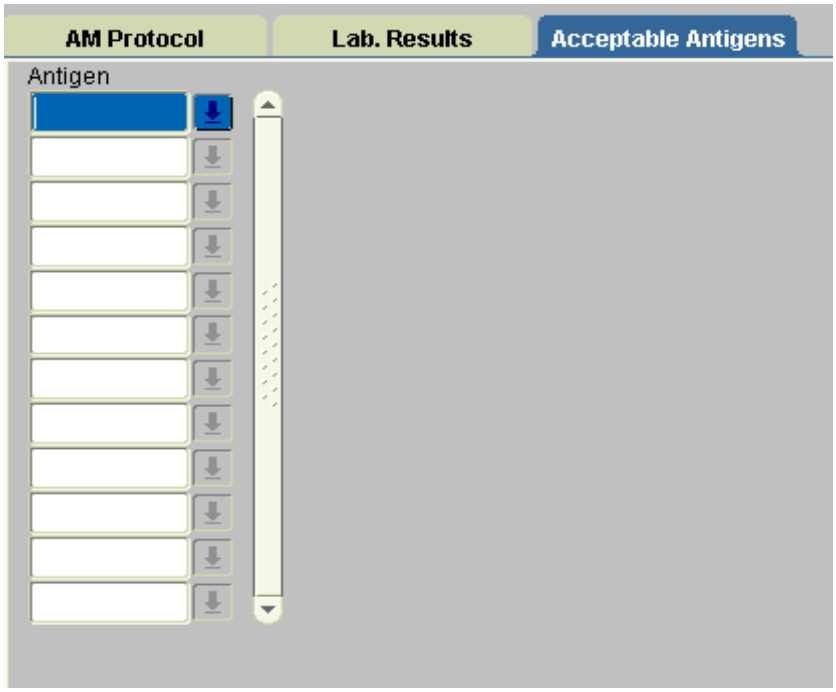
The technical data of the acceptable antigen registration are entered and the history is

shown in this tab page. The acceptable antigen registrations are sorted chronologically with the actual on top. On entry of the screen the acceptable antigen registration with the most recent sample date is automatically selected. Depending on the lab result record selected, the ‘Comments’ and ‘Acceptable Antigens’ fields will show the data corresponding to the selected record.

The field ‘Entry Date’ is default filled with the current date and time and cannot be changed.

The field ‘Lab’ is mandatory. The laboratory that determined the unacceptable antigens should be entered in this field. Select the lab via F9 or the arrow. It is only possible to use the ‘TT-code’.
‘Sample Date’ is also mandatory. This is the date the test sample was collected.
The ‘Comments’ field can be used to enter extra information.
After you filled in laboratory and sample date, the tab page ‘Acceptable Antigens’ becomes available. Before you inserted a laboratory and a sample date, it is not possible to go to the Acceptable Antigens tab.
The ‘Match Occurred’ box is display only. If the recipient was present in a match the checkbox is checked. This record cannot be updated.
The ‘Acceptable Antigens’ fields are filled with the data you entered in the Acceptable Antigens tab page, these fields are not updatable.
If you want to enter a new row, you can use F6 or the green plus. It is not possible to update or delete a record after a match is run where the recipient was included in.

Acceptable Antigens

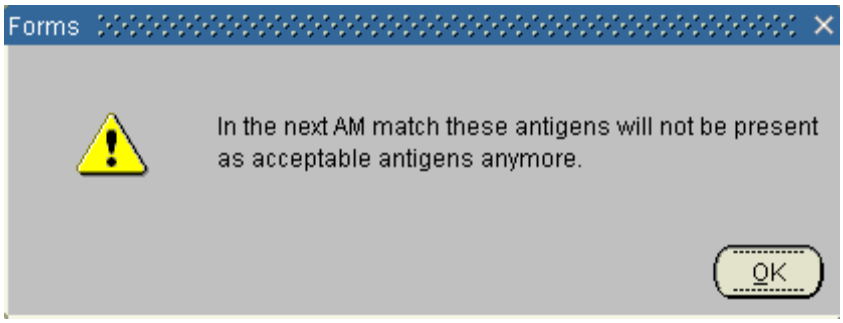


In this tab page you can enter the acceptable antigens found for a recipient. The scroll bar on the right side of the screen makes it possible to scroll to more antigens.
After you entered the acceptable antigens, you can save them with F10 or the diskette-button in your toolbar.

Default the acceptable antigens from the last result set are copied in a new set.

It is not possible to add, change or remove an acceptable antigen from a lab result set after an AM match has run where the recipient was included in. It is not allowed to enter an

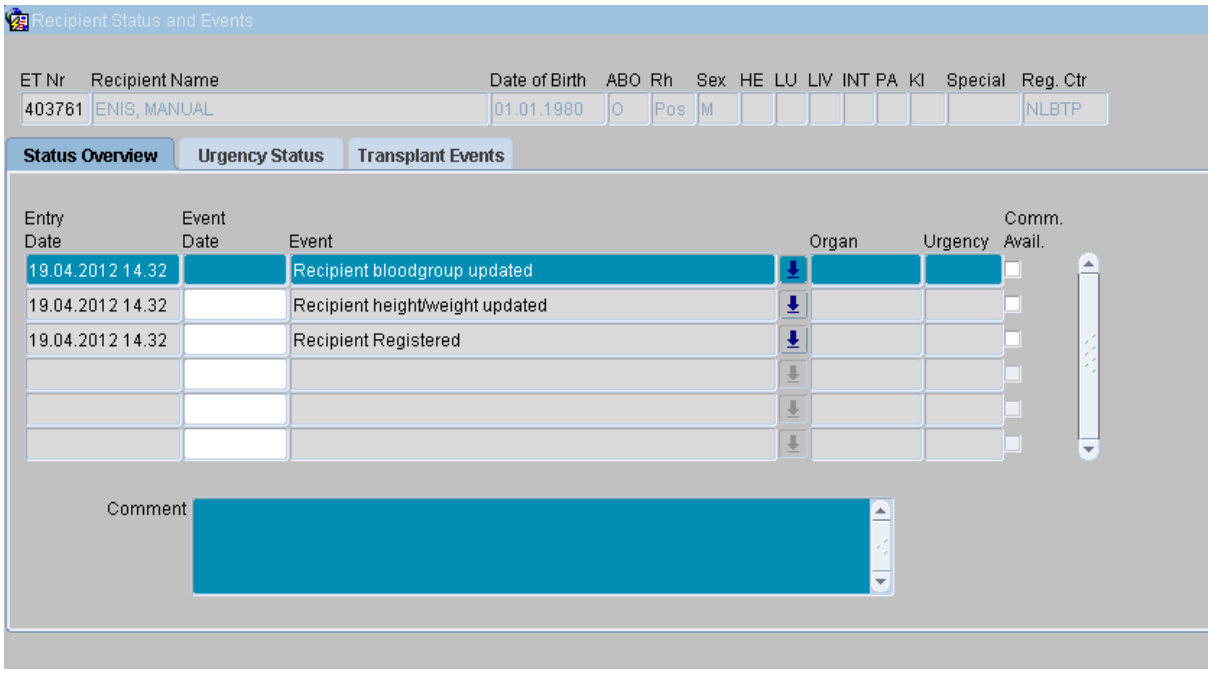
antigen that is also in the recipient's unacceptable antigens.
If antigens are removed, a warning is given:



3.2.3 Status and Events

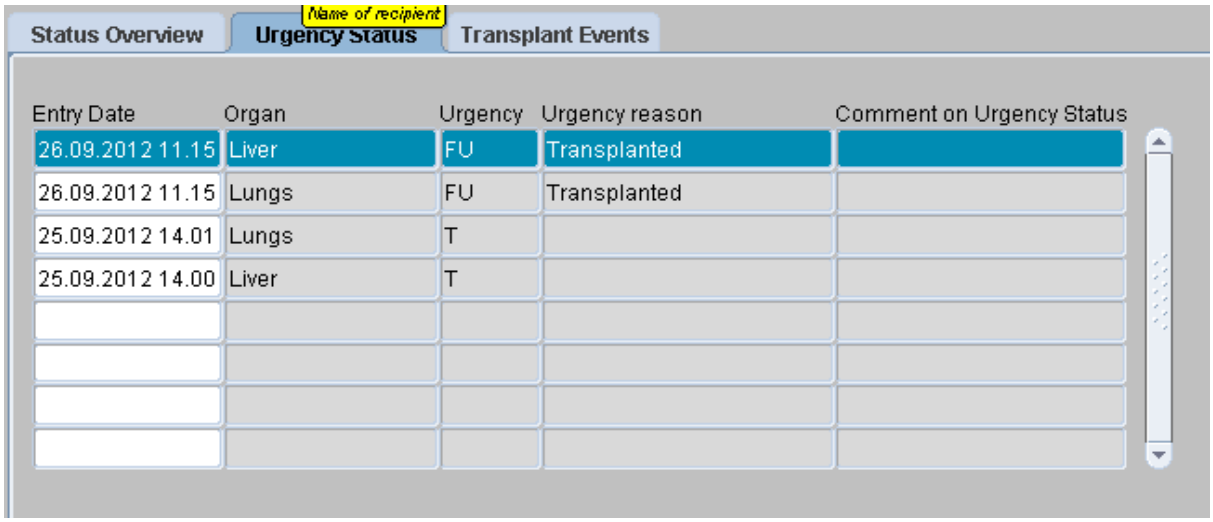
The screen "Status and Events" offers an overview of urgency changes, updates and transplantations of the selected recipient. In this screen you can only view data, it is not possible to enter or change any information.
Select the recipient and go to Recipient – Status and Events. This screen contains three tab pages: Status Overview, Urgency Status and Transplant Events.

Status overview



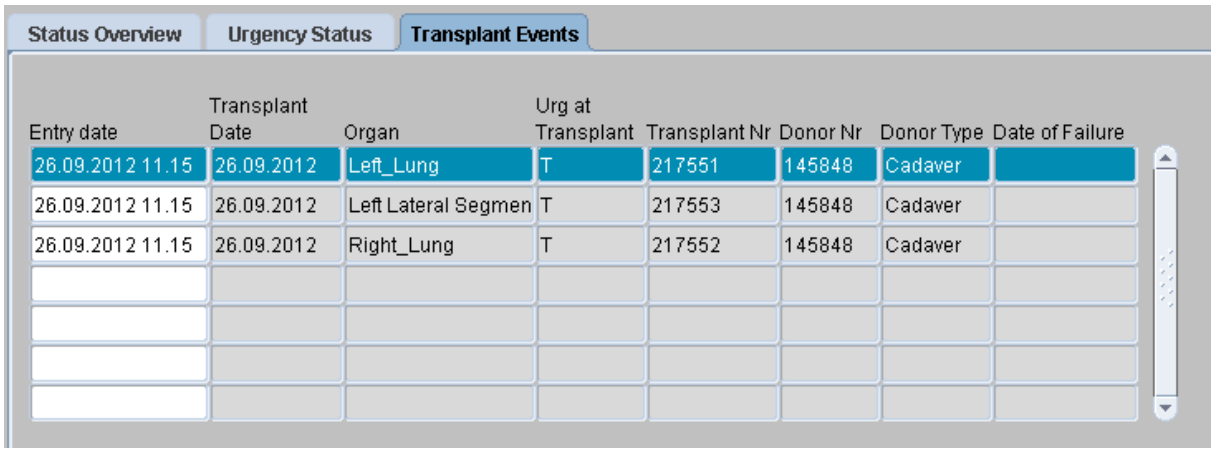
The Status Overview is updated automatically and gives a history of important events concerning registration and update of information of the recipient. The ET Medical administrators are authorized to enter new records and comments.

Urgency Status



This tab page shows all the changes made in the urgency statuses of the selected recipient, and all comments and reason of urgency change (if applicable).

Transplant Events

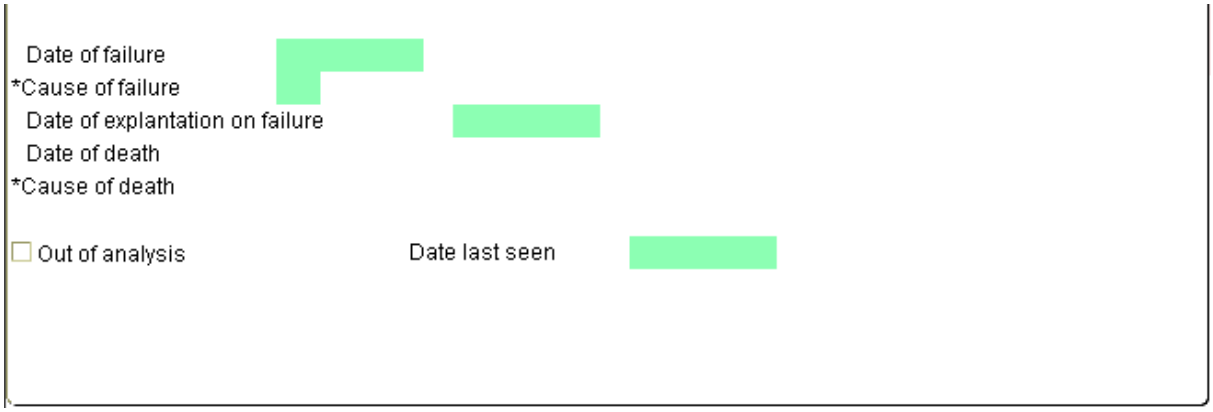


This tab page shows all the transplants of the selected recipients, including basic information of the donor.
After registration of a transplantation, the 'Transplant Events' screen will show Entry date, Transplant Date, Organ, Urgency at Transplant, Transplant number, Donor number, Donor Type and in case of a failed transplant: Date of Failure.

3.4 Update registration of recipient

3.4.1 Re-registration of a recipient

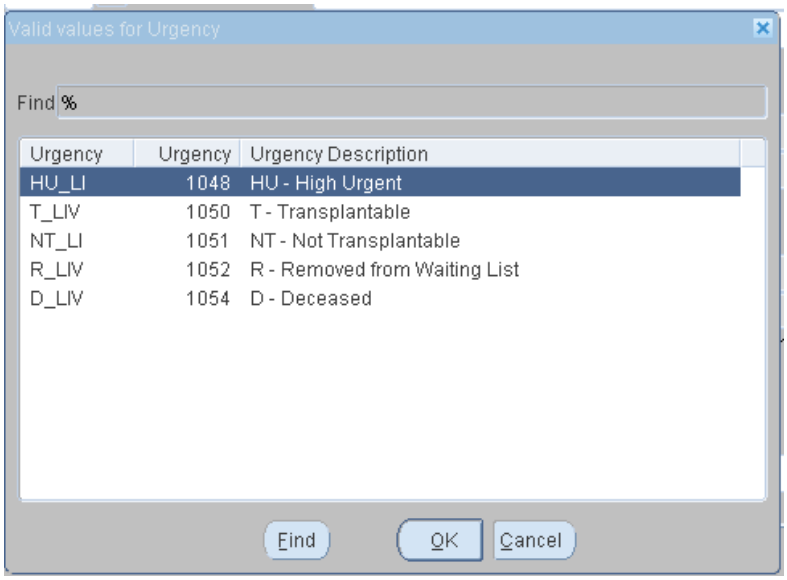
When a recipient is removed from a waiting list, due to transplantation or another reason, it is always possible to re-register a recipient. If the recipient is re-registered for the same organ, enter information concerning the failure of the transplant in the screen TXP update. Go to TXP – Update and select the correct transplant.



Enter the date of failure in the field ‘Date of Failure’ and select a ‘Cause of failure’ from the LOV by F9.
Save the information by using F10 or via the disk.
Then go to Recipient – Organ and select the correct organ. Choose the correct urgency code and save the information. The ‘Date put on waiting list’ will be the date of re-registration.
Check other screens to see if the information is up-to-date (weight, height, HLA antibody screening, donor profile etc.) in case of re-registration.
If a Dutch recipient is re-registered, the ENIS system checks if the BSN number is registered. If there is no BSN number (or reason why this number is not registered), this number must be entered first, before the recipient can be placed back on the waiting list.

3.4.2 Change of urgency of recipient

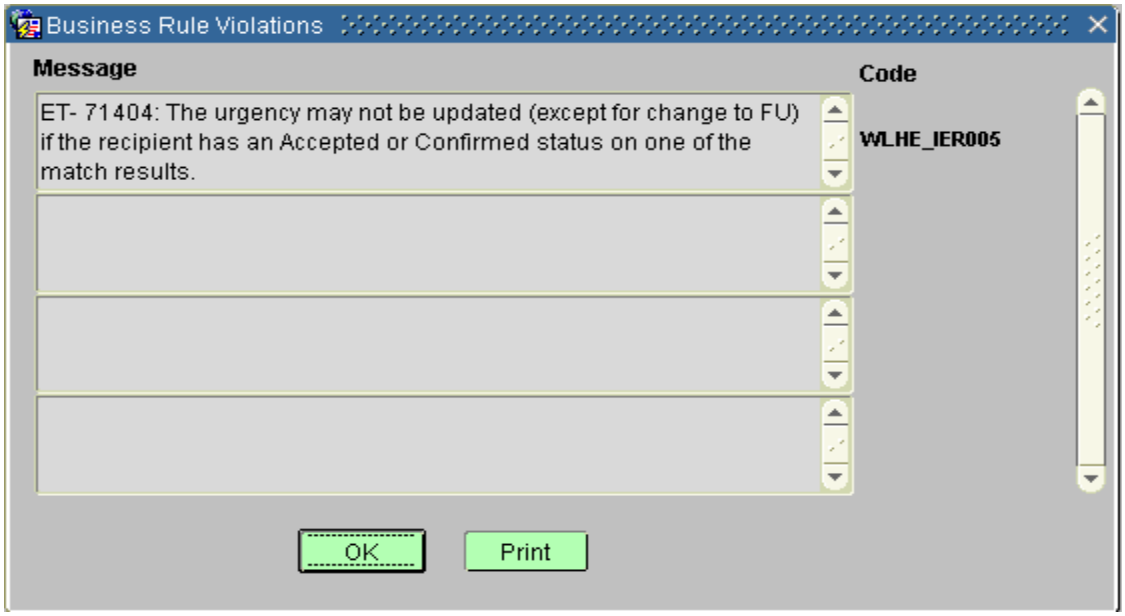
Any change of urgency must be done in the waiting list screens in ENIS. In these screens you can select the correct urgency form a list of values. In some cases, a reason must be entered.The urgency list of values also contains the status D (Deceased)



After selecting this urgency it is mandatory to fill out the recipient deceased screen (see chapter 3.4.3 Register Deceased). You will navigate automatically to this screen. If the information is entered in both screens, the recipient is removed fropm the waiting list with satus Deceased.

Some urgency statuses are changed automatiscally. The urgency of a heart recipient or heart/lung recipient will be automatically changed to HU if the recipient is <16 years of age at time of registration or re-registration (after TXP) and after change of urgency from NT to T status. An event line will be added in the Status and Event screen after automatic upgrade of th urgency.

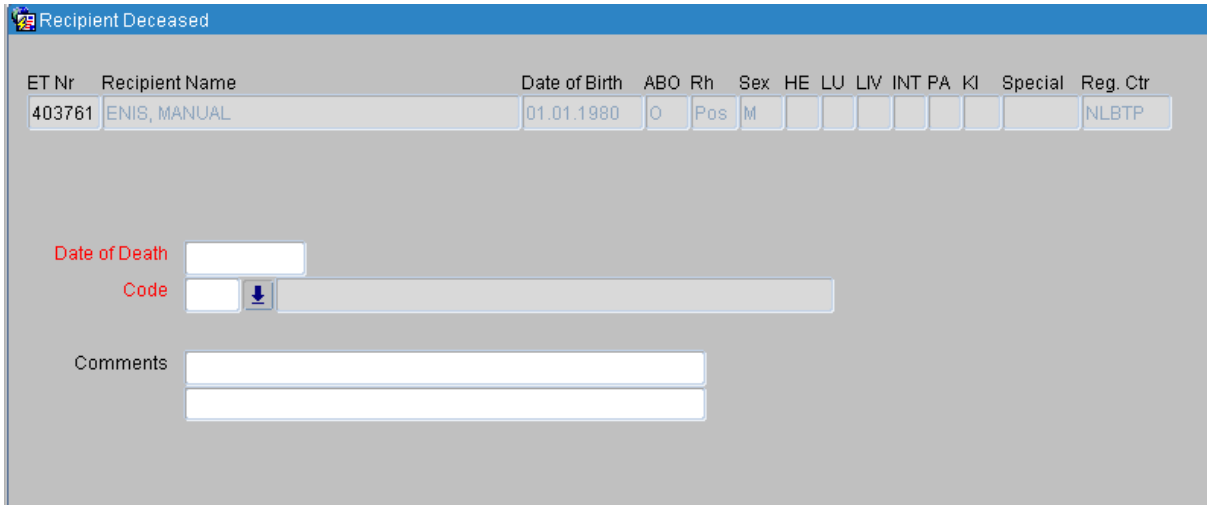
Note: It is not possible to change the urgency for recipients for whom an organ has been accepted for transplantation, pending the registration of the transplant. The following message appears:



Please register the transplantation or inform Eurotransplant if the transplantation was not done.

3.4.3 Register deceased

When a recipient is deceased a registration in ENIS is needed. Select Recipient – Recipient Deceased. The following screen appears:



This screen contains the following fields: ‘Date of Death’, ‘Code’ and ‘Comments’.
Enter the date of death and a cause of death (Code). The cause of death can be selected from a list of values. Whenever from the list of values ‘Cause of Death’ the option ‘Other/ Specify’ is chosen, it is mandatory to register a comment. Otherwise a comment is optional.

After filling in the Recipient Deceased screen, all the waiting lists will be updated automatically and the recipient will not occur in the matching process anymore.

Please do not change the status of the recipient to NT or Removed when a recipient is deceased. It is not possible to register the death of a recipient with a date prior to the last Urgency change.

3.4.4 View or update Unacceptable Antigens

After registering a recipient it is always possible to view or update the unacceptable antigens. Select Recipient – Immunological Results – Unacceptable Antigens. Now you can see the data that has previously been entered.
If the data is used for matching, the checkbox 'Match Occurred' is checked. It is not possible to change or add data to this row, a new row must be entered.Select an empty row. The 'Entry Date' will be filled automatically. Now it is possible to insert new data. For description see: 3.1.6 Unacceptable Antigens.

3.4.5 View or update HLA information

After registering a recipient it is always possible to view an HLA typing. Select Recipient – Immunological Results – HLA. Now you can see the data that has previously been entered. It is not possible to change or add an antigen of an excisting HLA typing. You'll have to enter a new HLA typing by creating a new record and entering all results again.
After the HLA registration you have to create the match phenotype again. It is possible to mix typing techniques from different test results records displayed in the Lab results tab page. For every technique one checkbox can be checked.
If you want to use a new/ altered HLA typing for the match phenotype, first uncheck all the checkboxes in front of the fields 'ABC, DR and/ or DQ Typing Technique'. Then check the checkboxes in front of the technique you want to use for the new match phenotype. Click the button Create match phenotypeand follow the steps to necessary to create the phenotype. (for detailed description, see 3.1.4 Create HLA typing).

3.4.6 View or update Antibody screening

After registering antibody screening, it is always possible to view or update the antibody screening.Select Recipient – Immunological Results – Antibody Screening – Register per Recipient. Now you can see the data that has previously been entered.
If the data is used for matching, the checkbox 'Match Occurred' is checked. It is not possible to change or add data to this row, a new row must be entered. Select an empty row. The 'Entry Date' will be filled automatically. Now it is possible to insert new data. For description see: 3.1.5 Antibody screening per recipient.

4 Donor registration

4.1 Living donor procedure

When there is is a living donor procedure in your center, you need to register the donor and transplantation in ENIS.
It is possible to register the donor before the procurement of the organ and the transplantation or you can register donor, procurement and transplantation *afterwards*.

If you want to perform the registration afterward, please follow the following sequence:

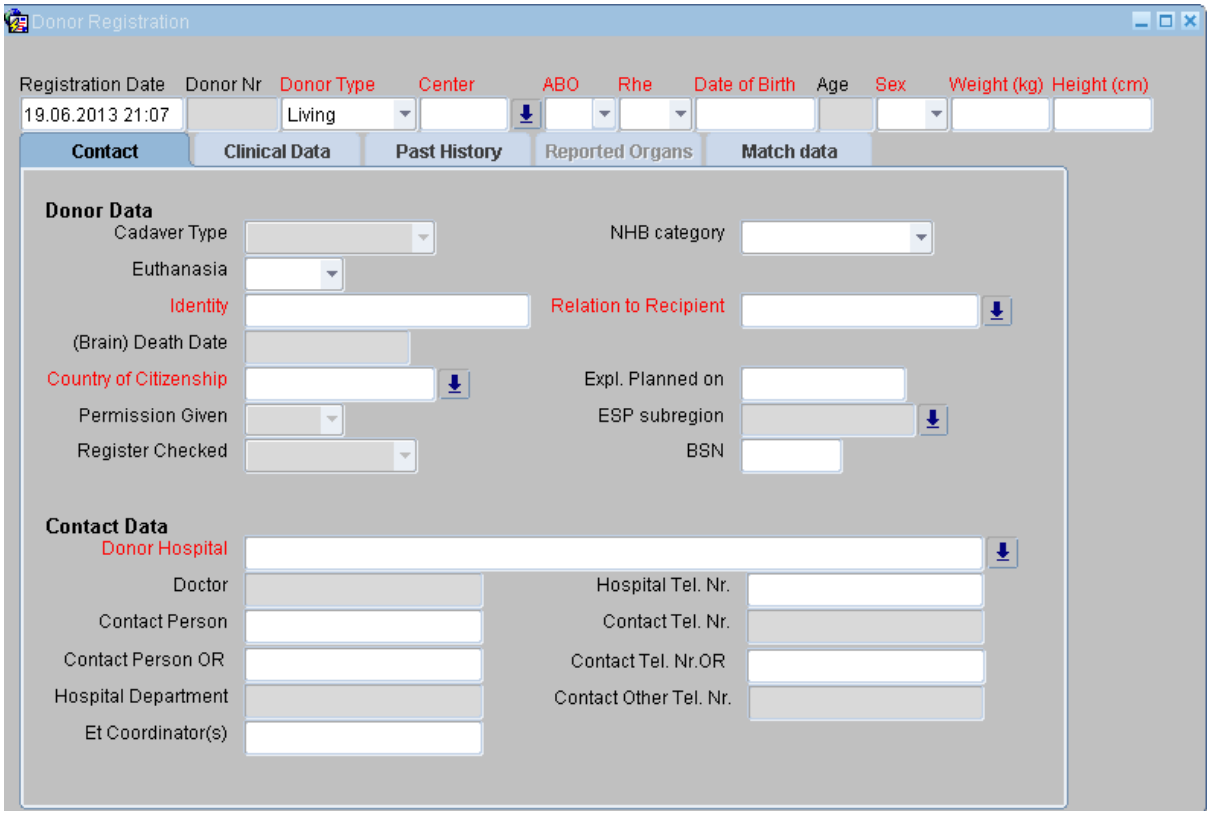
1. Register the donor (4.2 Donor registration, 4.4 HLA Registration).
2. Select the donated organ (4.3)
3. Enter the anatomy incl. the **Nephrectomy or Hepatectomy (**4.5**)**
4. Register the transplantation (6.1)

4.2 Registration of a living donor

If you want to register a living donor, go to Donor – Donor Registration. The donor registration screen will appear. The registration date and time are filled with the date and time of opening this screen. First change “Donor Type” in “Living”. Some fields in the Contact tab will now become gray and not enterable and other fields will become mandatory. In Donor registration are 5 tab pages: Contact, Clinical Data, Past History, Reported Organs and Match Data. For a living donor, only the tabs Contact and Reported organs are important.

Contact tab

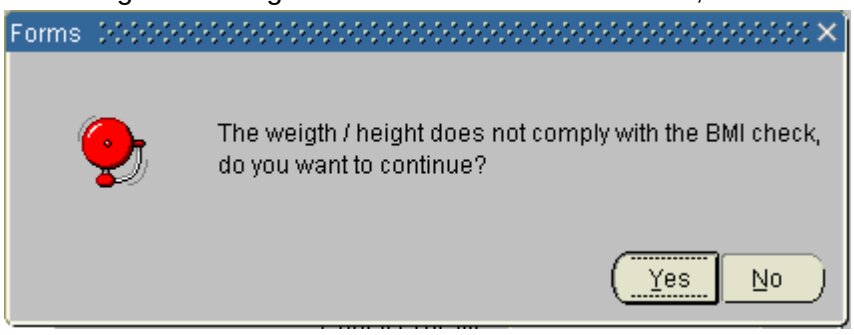
The tab Contact contains identification data, like date of birth and Identity, and information about the donor hospital. Enter the information.



The following fields for living donors can be entered:

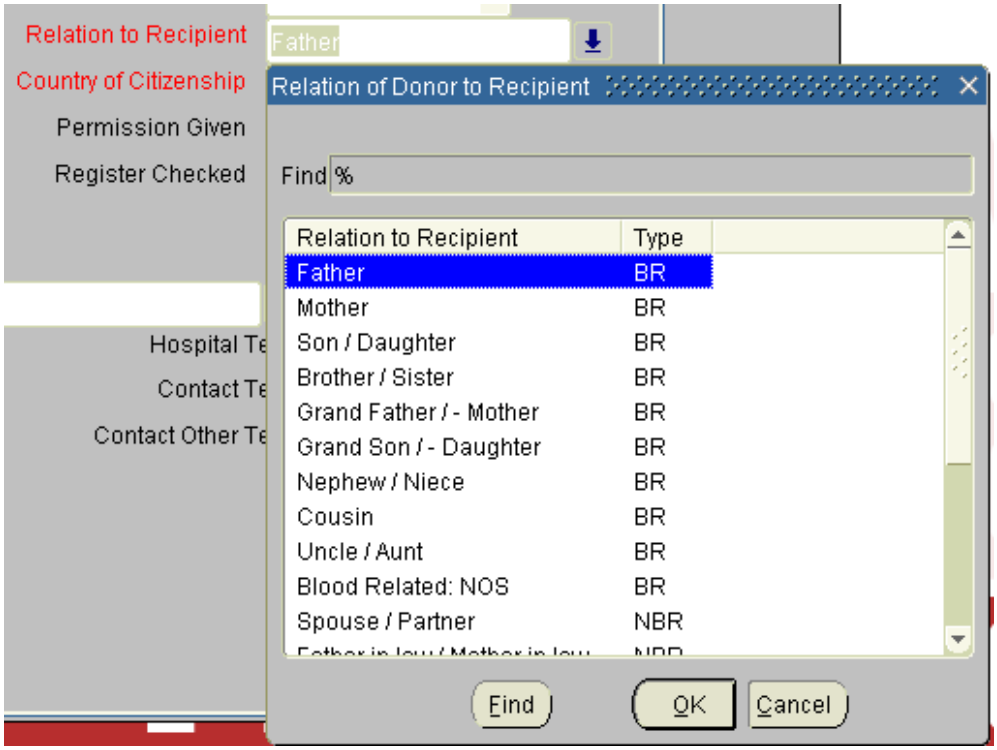
Registration date	Date of registration of the donor. The date is filled automatically when the screen is opened. This field can not be updated.
Donor Nr	The Donor number will be automatically generated, after all information is entered and saved.
Donor type	Living, selection from LOV.
Center	The donor center, selection from LOV.
ABO	The blood group of the donor, selection from LOV.
Rhe	Rhesus factor, P for Positive / N for Negative, selection from LOV.
Date of birth	Date of birth of donor, format <dd.mm.yyyy>.
Age	Age of the donor, this is automatically calculated after the date of birth is entered. This can not be changed or updated.
Sex	F for Female / M for Male, selection from LOV
Weight	Weight of the donor, in kg.
Height	Height of the donor, in cm.

If the height and weight fall outside the normal values, the following massage will appear:



If the entered values are correct, select “Yes” and continue the entering of the information. If the values are incorrect, select “No” and enter the correct values.

Identity Name or registration number of the donor.
Relation to recipient Relation between donor and recipient, selection from LOV.
The following list appears:



Select the relation from this list. In the list are 2 columns: the relation and type of relation. BR means “Blood related” (genetically related) and NBR means “Not blood related” (not genetically related). If the relation is not in the list, select either “Blood related: NOS”, ‘Not Blood Related family’, “Not Related” or “Not Blood Related: NOS”. Describe the relation between donor and recipient in the tab Reported Organs, in the field “Comments”.

Country of citizenship: Name of the country where the donor lives, automatically filled after the donor center is entered. The field can be changed.
Explantation planned on Date and time the explantation of the organ is planned, format <dd.mm.yyyy hh:mm>.
BSN BSN number of donor, for Dutch donors only.
Donor Hospital: Name of the hospital where the donor is explanted. Selection from LOV. Alternatively free text can be entered.
Hospital Tel nr The telephone number of the donor hospital, numeric format
Contact person Name of the contact person in the donor hospital

The red fields are mandatory. If one of these fields is empty, the information can not be saved and no donor number is generated. After all these items have been entered save the donor by F10 or the Save button. Select Ök”in the pop-up that appears.

The donor will receive a donor number and the tab Reported organs becomes available. Now register the organ that will be donated to the recipient (see 4.2 Entry of donated organ for description).

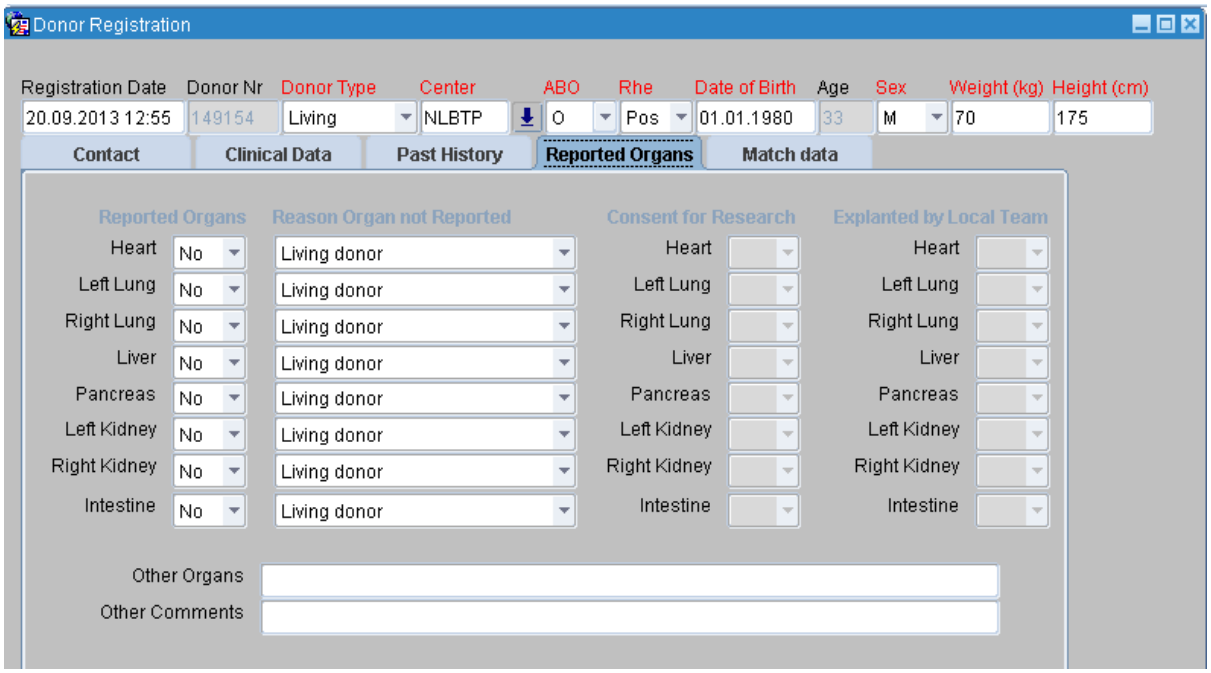
Note: Domino donors are registered by Eurotransplant only. If there is a domino procedure in your center, inform Eurotransplant and send the information. The duty officers will register this domino donor and give you the ET donor number. With this number, you can register the transplantation. Cadaveric donors are registered by Eurotransplant or the transplant

coordinators via special programs.

4.3 Entry of the donated organ

The next step before a living transplant can be registered is the entry of the donated organ. To do this, go to the tab Reported Organs.

Reported Organs tab

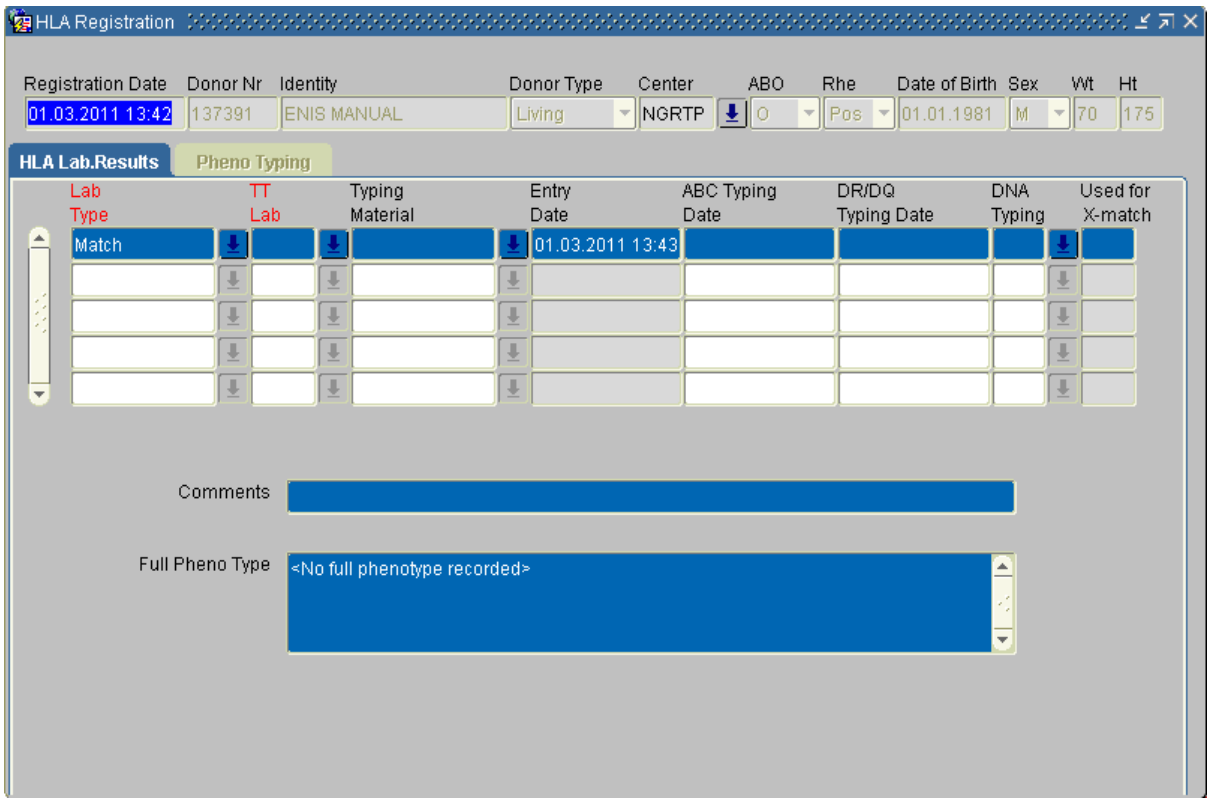


In this screen all organs are set default to “Reported No” with the reason “Living donor”. Enter “Yes” for the donated organ. In case of a living liver donation, select Whole liver. At time of transplnattaion registration register you can register that it was a partial transplant (See chapter 6.1.3 for more information)

If the relation between donor and recipient was not in the list of the field “Relation to recipient”, enter the relation in the “Other Comments” field. After this, save the information by F10 or the disk. After the information is saved, the “procured” status is automatically entered in the ENIS system. This makes registration of the transplantation possible.

4.4 HLA entry

If you want to enter the HLA typing of the living donor, select the donor and go to Donor – Donor HLA – HLA Registration. The following screen opens:



The screen contains two tabs: HLA Lab Results and Pheno Typing. The second tab is not available when you open this screen for the first time.

HLA lab results

On this tab page you will find a block with multiple records. When earlier records exist, the most recent one is shown on top.

Lab Type: Match/Center/Ref/DNA, selection from LOV. Match is used for the entry of HLA to be used in the match, Center is used by the donor center in case of a re-typing, Ref is used by the reference laboratory in Leiden and DNA is used by the donor center to register DNA typing.

TT Lab: The code of the Lab that determined the donor tissue typing, selection from LOV.

Typing Material: The material that was used for the HLA typing, selection from LOV. If “Other” is selected; please specify the material in the “Comments” field.

Entry Date: Date and time of entering the HLA typing, automatically generated.

ABC Typing Date: Date and time of ABC typing, format dd.mm.yyyy hh:mm.

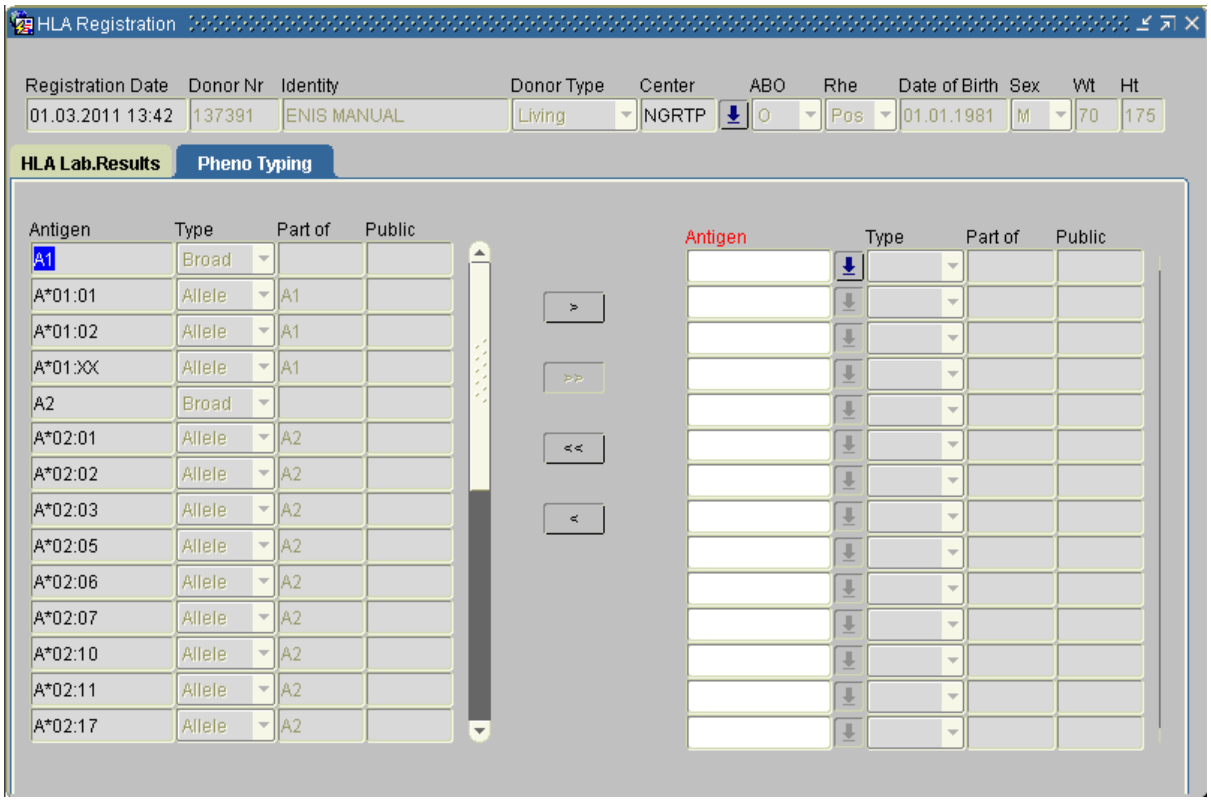
DR/DQ Typing Date: Date and time of DR/DQ typing, format dd.mm.yyyy hh:mm.

DNA Typing: DNA typing, selection from LOV.

Used for x-match: This field will be filled automatically after the matching has taken place. A match can be made for domino donors, cross over donors or altruistic donors. The match is done by Eurotransplant.

Once you have filled out all necessary items, you must save the information by F10 or the disk. The tab ‘Pheno Typing’ will become available. If you click on this tab a new screen will appear which is used for the entry of the donor HLA typing.

Pheno typing tab



HLA can be entered directly through typing in the Antigens column on the right side of the screen. Another way is to scroll through the list of Antigens on the left and select the one needed. With the >-button you can move this antigen to the list on the right side. Repeat this for all antigens in your set. The <<-button will remove all antigens in the list on the right, while the <-button will only remove the selected antigen from the right list.
When a split antigen or an allele (DNA) is entered, the system will automatically select the corresponding broad (and split) antigen.
Publics still have to be entered manually.

HLA type entry: advanced search.
When entering the HLA, specific antigens can be filtered by entering the query mode. For example: Look for DR12 by (F7) or the query button. The left block will go into query mode and you can give in a wildcard in the 'Antigen' field: "DR%" (the percent sign stands for an unlimited amount of characters found behind "DR"). F8 (execute query) gives back a list with all DR antigens.
Look for an allele of A24 by F7 and choosing "Allele" from the pop list of the 'Type' field, and fill in the antigen "A24" in the 'Part of' field. The execute query will give back a list of alleles which are part of A24. You can select one and with the >-button bring it to the list on the right.
Note: Multiple selections can be made by holding the CTRL button while selecting the HLA.

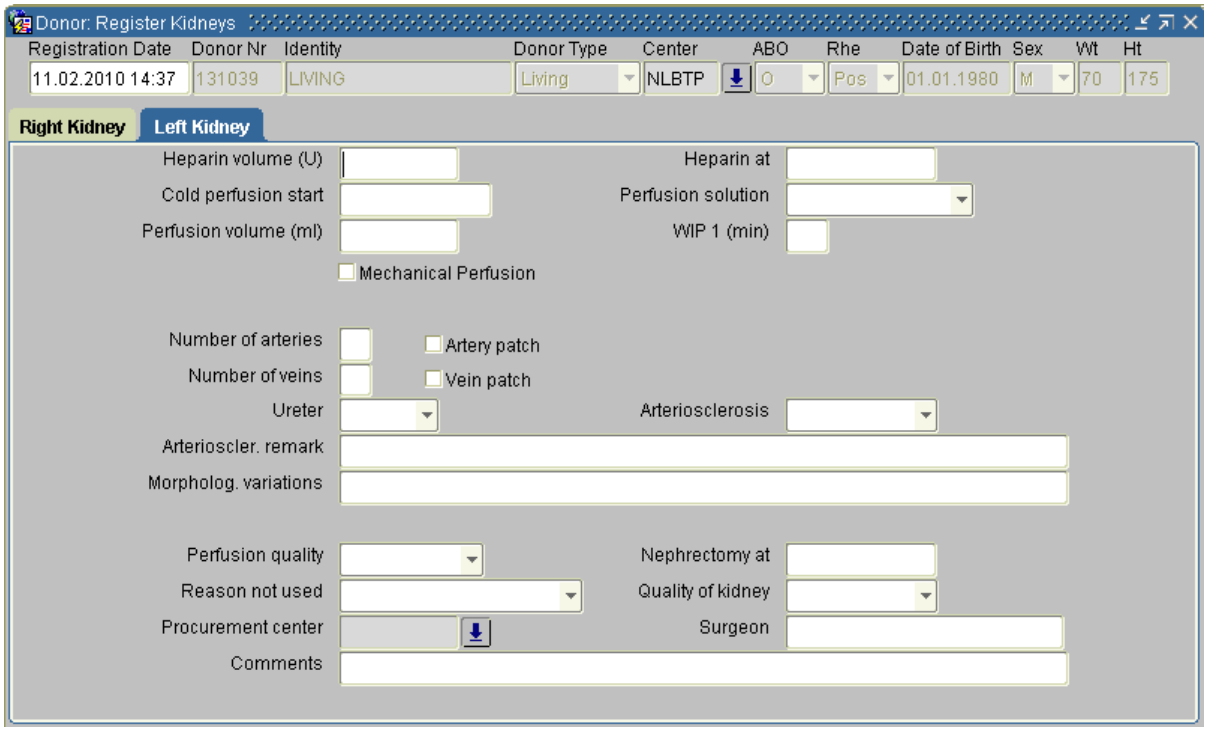
Once you have entered the HLA typing, save the information via F10 or the disk. You will see that the list is complemented with the Splits and Broads belonging with the partial antigens you entered
You can see in the Tab HLA Lab Results the 'Full Pheno Type'.

4.5 Organ anatomy registration

After procurement of the organ(s) you must fill in the information about the specific organ(s) in the next screens.

Living kidney donor

Go to Donor – Donor Organ – Donor Kidneys. This screen contains two tabs, one for each kidney. Select the kidney that was explanted.



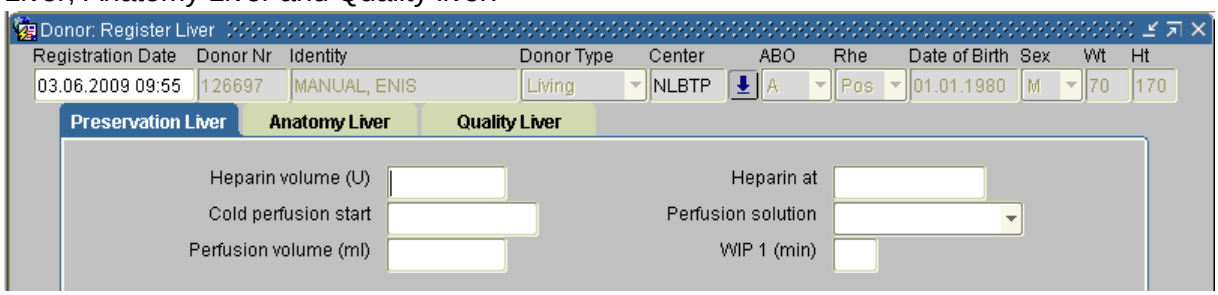
Enter the information concerning anatomy and explantation.

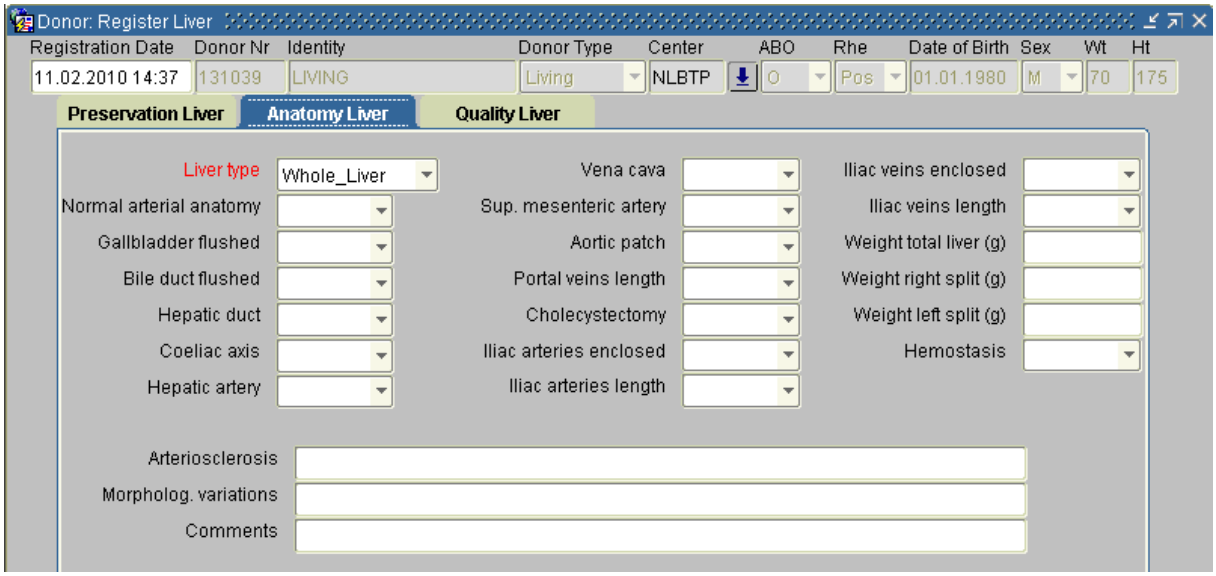
Save the information via F10 or the disk button. Now the transplantation can be registered
Note: for a living donor from Belgium the nephrectomy date and time is mandatory at time of transplant registration. For description, see 6.1.3 Registration of a transplant after living donation.

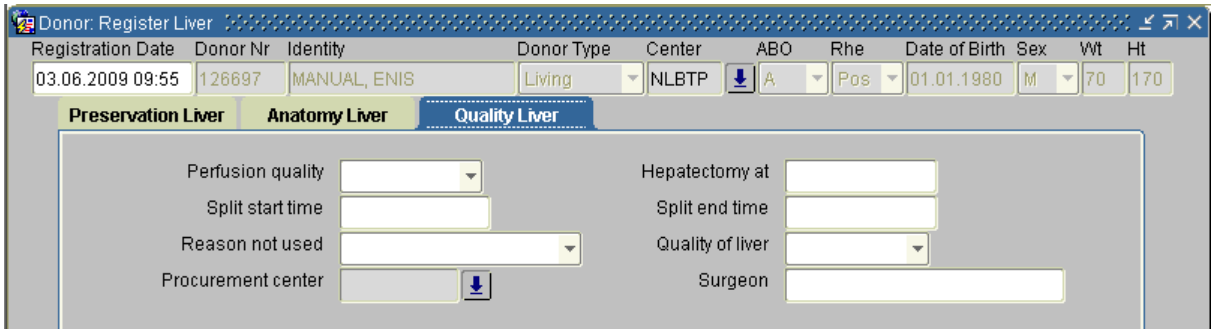
Note: By entering “Nephrectomy at” for the kidney that was donated, it is possible to register the transplantation, even if the donor was registered after the transplant. At time of registration of the transplantation, this is the time the system sees as actual explantation time and not the procured time that was created when the donated organ was selected.

Living liver donor

Go to Donor – Donor Organ – Donor liver. This screen contains three tabs: Preservation Liver, Anatomy Liver and Quality liver.







Enter the information concerning anatomy and explantation. There is one mandatory field, in the tab Anatomy liver: Liver Type. This field is automatically filled with “Whole liver”. Don’t change this, at time of registration of the transplantation should be registered it was a partial transplant. Save the information via F10 or the disk. Now the transplantation can be registered. Note: for a living donor from Belgium the hepatectomty date and time is mandatory at time of transplant registration. For description, see 6.1.3 Registration of a transplant after living donation.

Note: By entering “Hepatectomy at”for the liver, it is possible to register the transplantation, even if the donor was registered after the transplant. At time of registration of the transplantation, this is the time the system sees as actual explantation time and not the procured time that was created when the donated organ was selected.

5 Requesting donor/ recipient information

Since most donors are reported electronically to Eurotransplant by the coordinators, a website was developed to make all the donor information directly available for the centers receiving an offer.
Instead of receiving the reports by fax, all information is available via the internet on secured pages or via.
This means that as soon as new values or the anatomy is available, this can be requested directly. So no more unreadable faxes and no more delay.

During the allocation process, recipient centers can see the Donor-, Organ- or HLA report when an organ is offered to one of their own recipients. Also a number of recipient reports are available per recipient.
As soon as the Eurotransplant allocation office has given the recipient an “Offered code”, the donor information can be viewed. When an offer was accepted and transplanted, the same organ information is available at any time, without assistance of Eurotransplant.

If you want to retrieve the donor information of a donor, go to the Eurotransplant member site, log in and select “Donordata” form your list with applications or go the special website: www.donordata.eu and enter your username and password.

Note: it is not possible yet to request donor information concerning an intestine offer. There is no Intestine match, so no possibility for the duty officers to enter the “Offered” code for the recipient. The offer must be done via fax.

Note: it is possible to request a pass word only for the Donordata website! How a pass word can be acquired, is described in 2.1.1 How to request a pass word.

6 Transplant registration and update

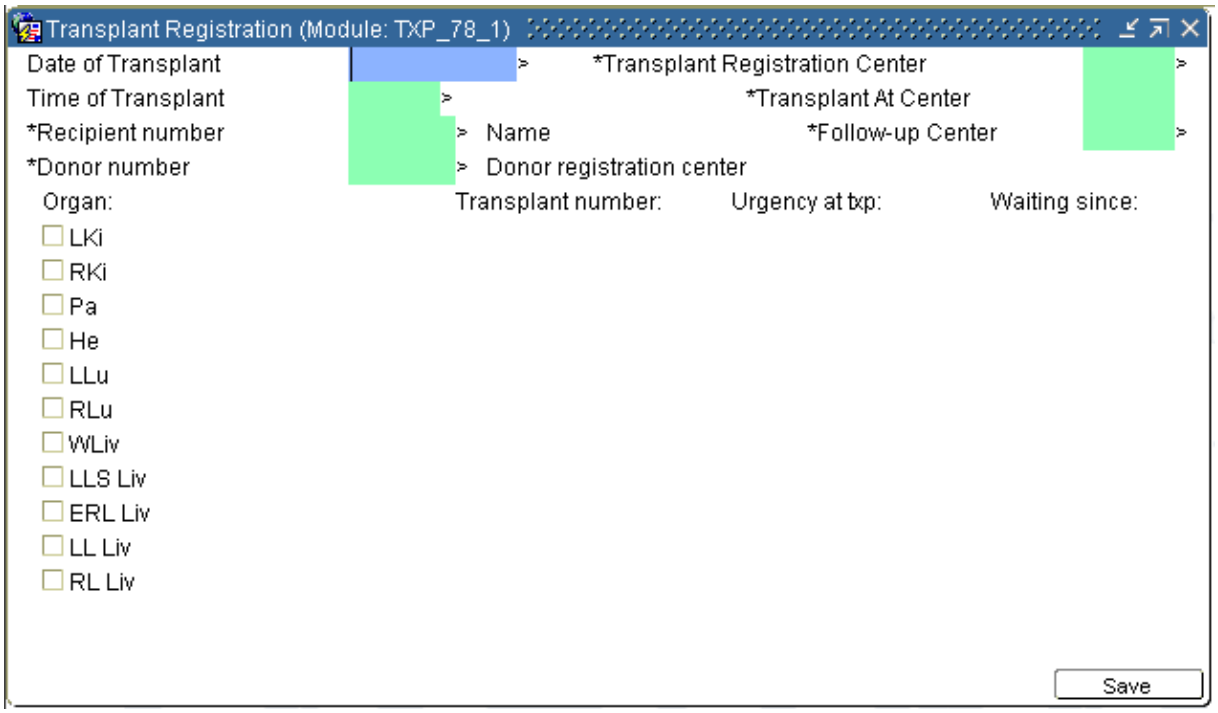
6.1 Registration of a new transplantion

6.1.1 Registration of a new transplantation

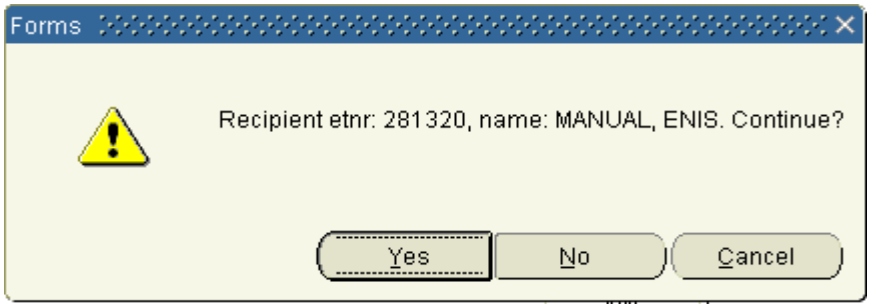
As soon as a center knows a recipient is transplanted, the registration of this transplant must be done in the ENIS system. The centers are responsible for swift registration.
Before registering a transplant you need the following information:

1. Date and time of transplantation
2. Recipient ET number
3. Donor ET number
4. Transplanted organ(s): in particular in case of a kidney, split liver and/or single lung transplantation: left or right.

If you want to register the transplantation, go to TXP – New. The following screen appears:



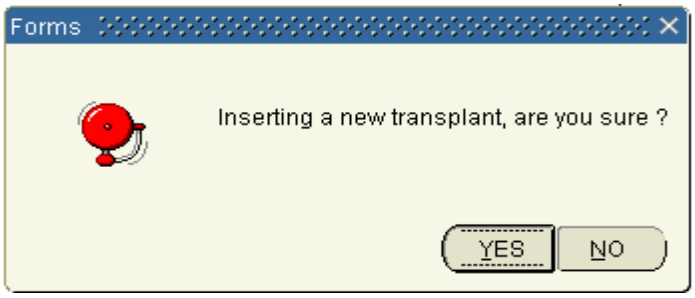
Enter the date of transplant in the field “Date of transplant” and the time in the field “Time of transplant”. Enter the center codes of the transplant registration center, the center where the transplantation was performed and the center where the follow-up will be done. All center codes must be entered like: “xxxTP”.
Now enter the recipient number of the recipient. The next prompt appears:



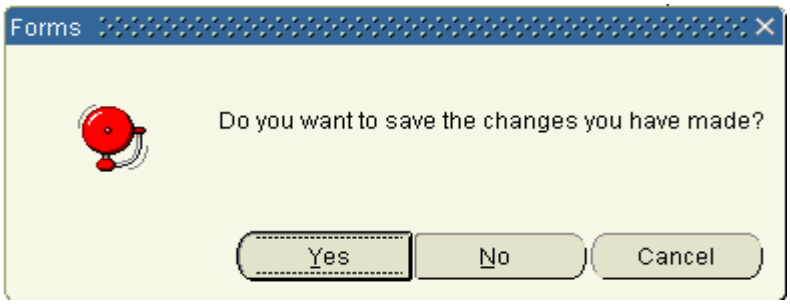
If this is the correct recipient, select “Yes”. If it is the wrong recipient, then select “No” and re-enter the correct ET-number and continue entering the rest of the data. If you select “Cancel” you can also re-enter the correct ET-number.
Enter the donor number and select the transplanted organs, by marking the check box (es) for the appropriate organ(s). For each individual organ a unique transplant number will be assigned.

When all the data is correct, save the information via F10 or Action – Save.

The following prompt will appear:



If “Yes” is selected, the ET transplant number will automatically be generated and displayed in the field “Transplant number”. The urgency at time of transplant and the date of start waiting time is displayed.
If “No” is selected, the following prompt will appear:



If “Yes” is selected, the information is saved. The ET transplant number will automatically be generated and displayed in the appropriate field. If “No” is selected, the information will be deleted without saving the transplant. The screen closes. If “Cancel” is selected, the screen remains open and you can re-enter/ correct the data and continue with the registration of the transplantation.

Note: for a combined transplantation, all transplanted organs must be selected at once. For example:
- For a double lung transplant, the organs Llu – Rlu have to be selected.
- For a heart/lung transplant, the organs He – Llu – Rlu have to be selected.

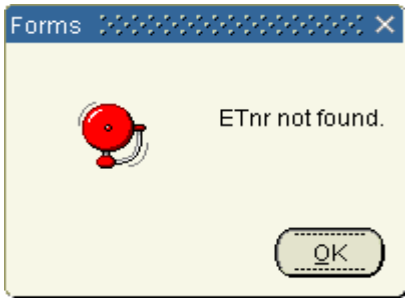
- For an en-bloc kidney transplant, the organs Lki – Rki have to be selected.

Note: for a living donor from Belgium the nephrectomy date and time/ Hepatectomy date and time is mandatory at time of transplant registration

Problems at time of transplant registration.

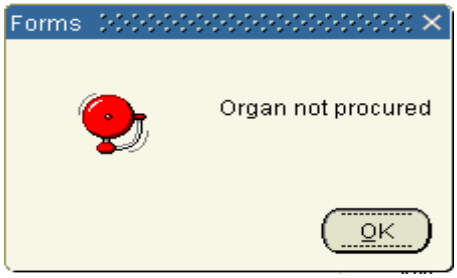
At time of registration, ENIS checks if the entered information corresponds with the information Eurotransplant has on the donor part. If this does not match, a message appears. Below are the most common prompts:

If this message appears:



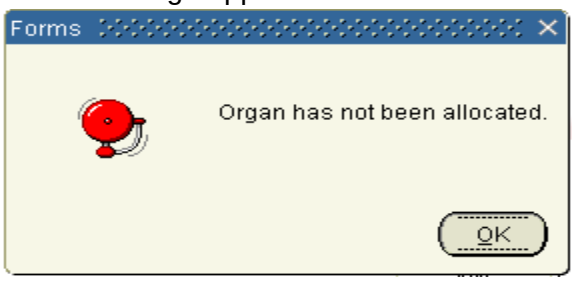
the incorrect recipient ET-number is entered (e.g. an ET-number not registered at your center or from a recipient that didn't receive an offer). Click "Ok" and enter the correct ET-number.

If this message appears:



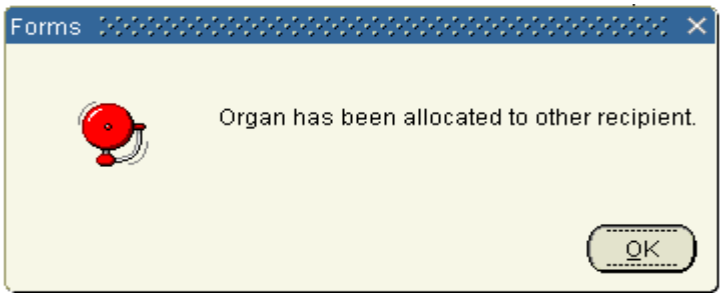
the organ you selected does not have the "Procured" status in ENIS. Check if you entered the correct donor number. If the number is correct, please contact Eurotransplant.It is possible the donor coordinator did not add the procured status in their system. Eurotransplant will contact the coordinator or you can contact the coordinator with this request.

If this message appears:



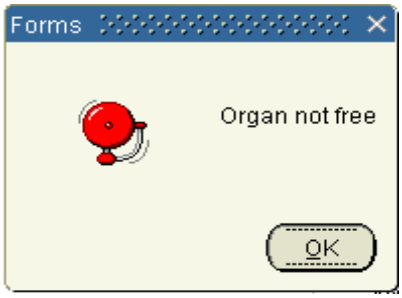
the organ you selected is not correct, or you entered the incorrect donor number. Click "Ok". Please check if you selected the organ transplanted in your center for your recipient or entered the correct donor number. If you entered the correct information, please contact Eurotransplant.

If this message appears:



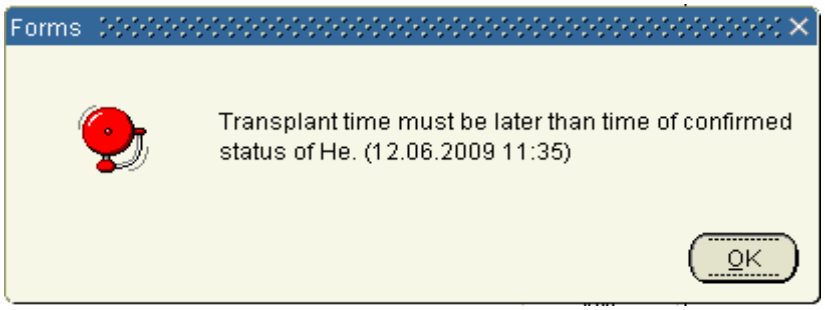
the donor number or ET number of the recipient might not be correct. Click “Ok”. Please check if you entered the correct number. If you entered the correct data, please contact Eurotransplant. It is possible that not all information is in the ENIS system yet.

If this message appears:



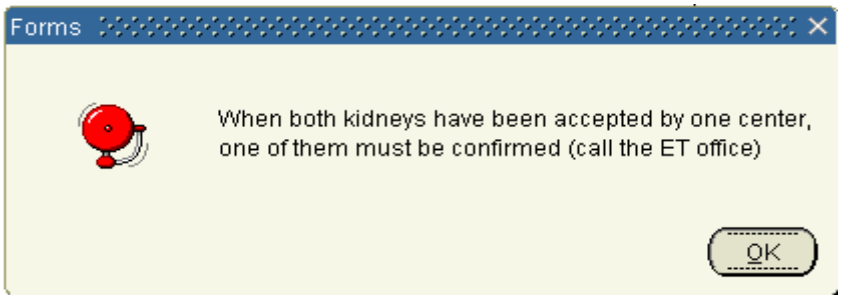
the organ you selected has already a “Transplanted” status. Click “Ok”. Please check if you selected the organ transplanted in your center for your recipient. If you selected the right organ, please contact Eurotransplant if you are certain that none of your colleague has registered the transplantation.

If this message appears:



a date/time is not entered correctly. Click “Ok”. Please check if you entered the correct date and time of the transplantation. If this is correct, please contact Eurotransplant to change the date and/or time for the status ‘Confirmed’ or the status “Procured”(if this is shown in the message) in the ENIS system.

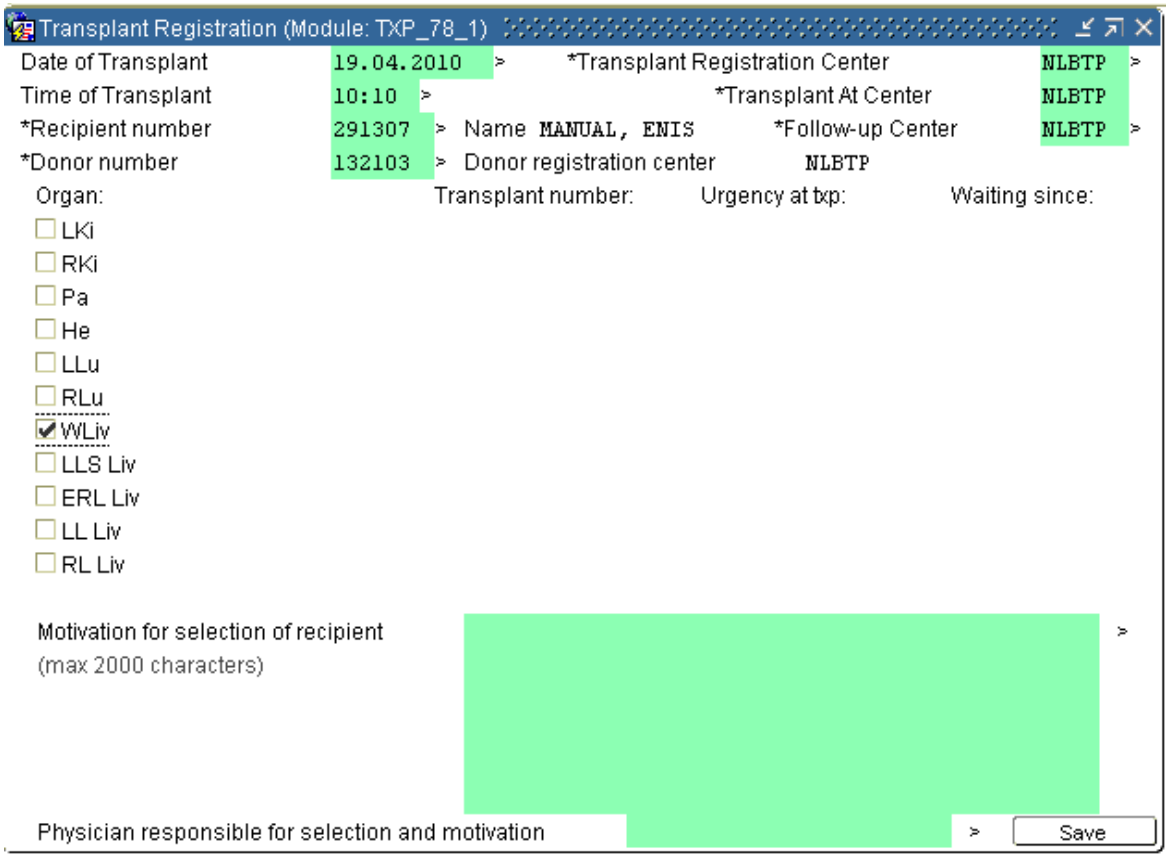
If this message appears:



two kidneys of the same donor were accepted for recipients in your center. Click “Ok”. To ensure that all date is correct entered in the Eurotransplant ENIS system, please contact Eurotransplant and confirm which recipient received which kidney. Eurotransplant will add the “Confirmed” status for one of the transplantations, so you can register the transplantations.

6.1.2 Registration of a transplant after rescue allocation

If your center accepted an organ offered via a rescue allocation, a motivation must be registered why that particular recipient received the organ. This motivation must be registered in ENIS at time of the transplant registration. Go to TXP-New and enter all date (for description, see 6.1.1 Registration of a new transplant).
In case of an accepted organ via rescue allocation, two extra fields become available in the screen. These fields are mandatory to enter.

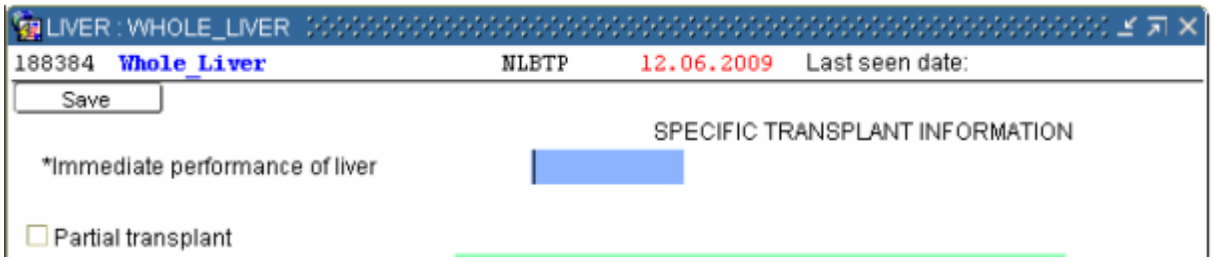


Enter the reason why this recipient received the organ in the field “Motivation for selection of recipient” and enter the physicians name in the field “Physician responsible for selection and motivation”. After you entered these fields, you can register the transplantation.These data is visible in the TXP update screen

6.1.3 Registration of a transplant after living donation

After you registered the living donor (incl. the donated organ and the anatomy) you can register the transplantation.
The registration of transplantation for a kidney does not differ from a regular transplantation. (For description, see 6.1.1 Registration of a new transplant).

In case of a **living LIVER** transplantation always register a **WHOLE** Liver! Then go to TXP-Organ information and click the checkbox for “Partial transplant”.

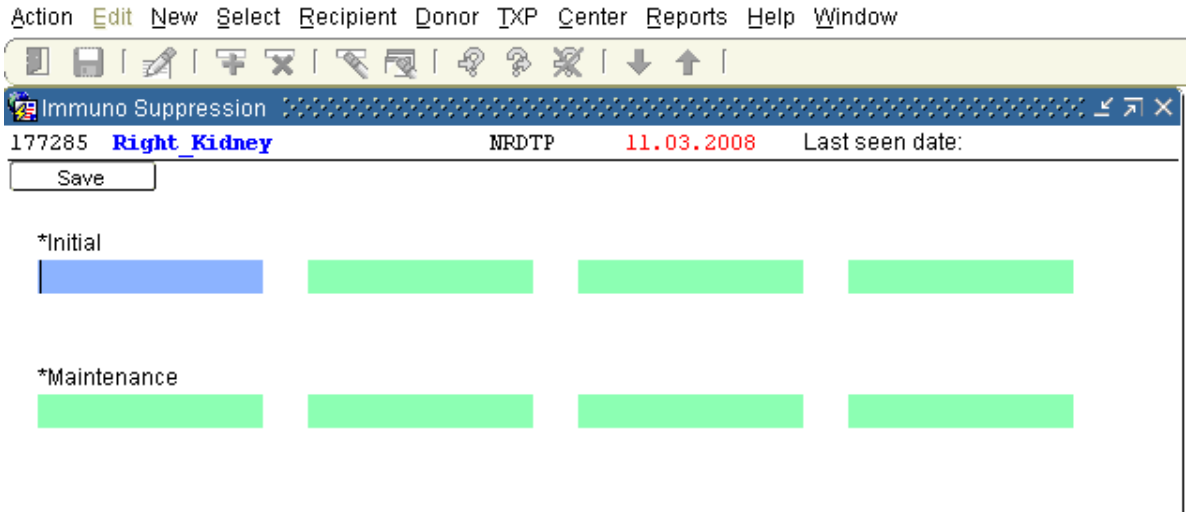


Save the information via F10 or the “Save” button.

Note: it is possible to register the transplantation even if the donor was reported in the ENIS system after the transplantation was performed. Enter the correct date and time of the nephrectomy or the hepatectomy in the organ screen. For description, see 4.4 Organ anatomy registration.

6.1.4 Immuno Suppression

In this screen the medication of the recipient must be entered. Go to TXP – Immuno Suppression. The following screen appears:



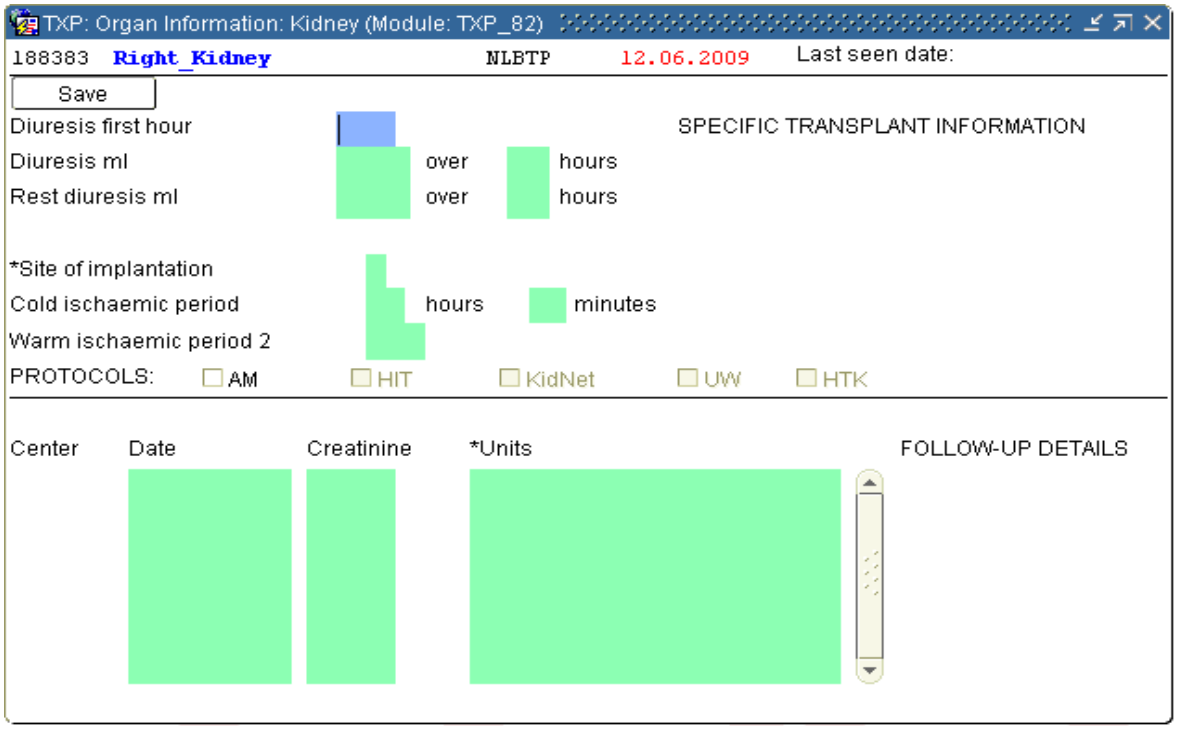
The ET number and transplanted organ of the selected recipient is shown, next to the registration center and transplant date.Now you can enter the “Initial” and the “Maintenance” Immuno suppression via the List of Values [F9].

When you have entered all medication, save the information via F10 or the “Save” button.

6.1.5 Transplant organ information

The transplant organ information screen offers the possibility to enter specific information about the transplantation (e.g. ischemic times, follow-up details) per organ.Select the recipient or transplantation and go to TXP – Organ Information.

Kidney



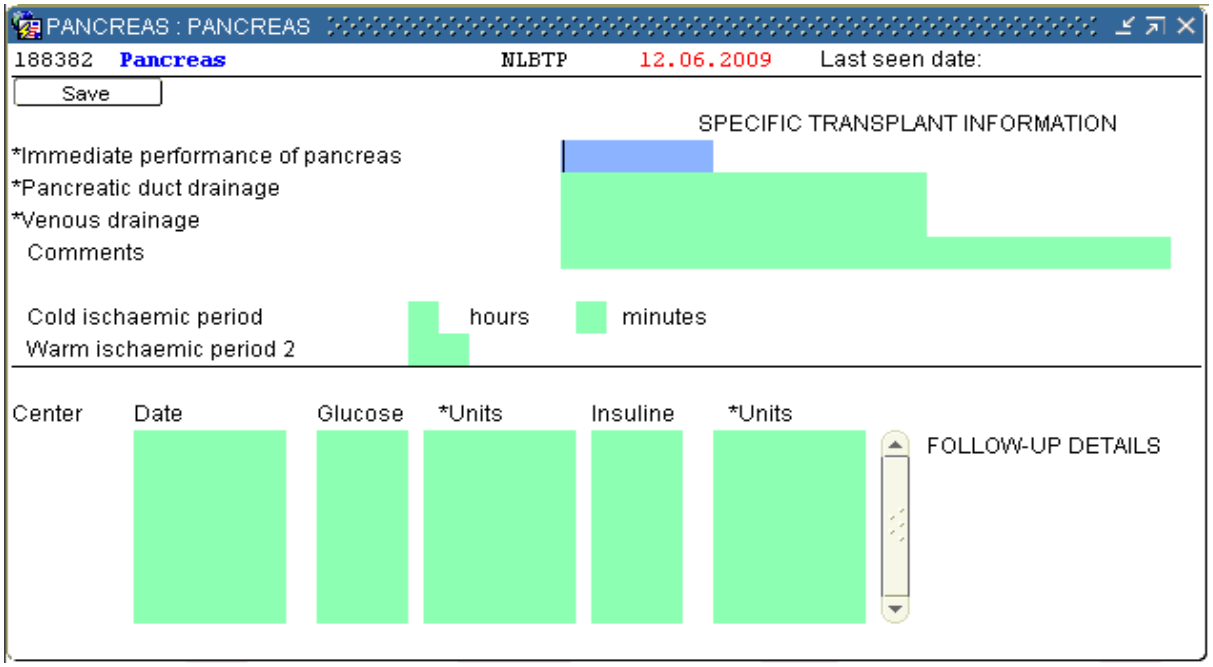
In this screen, the ET number and transplanted organ of the selected recipient is shown in the header, as well as the registration center and transplant date. The screen is divided in two parts: “Specific transplant information” and “Follow-up details”.

In the first part “Specific transplant information”, information concerning the diuresis and the duration of the ischemic periods can be entered.

Please note: it is only possible to enter a value of <59 minutes in the field “minutes “of the the Cold Ischaemic periode duration.

The site of implantation can be entered using a LOV (selection via F9). In the second part “Follow-up details” you can enter the creatinine levels. Start by entering the date (dd.mm.yyyy), then enter the numeric value. Select the Unit via the LOV (selection via F9). Save all information via F10 or the “Save” button.

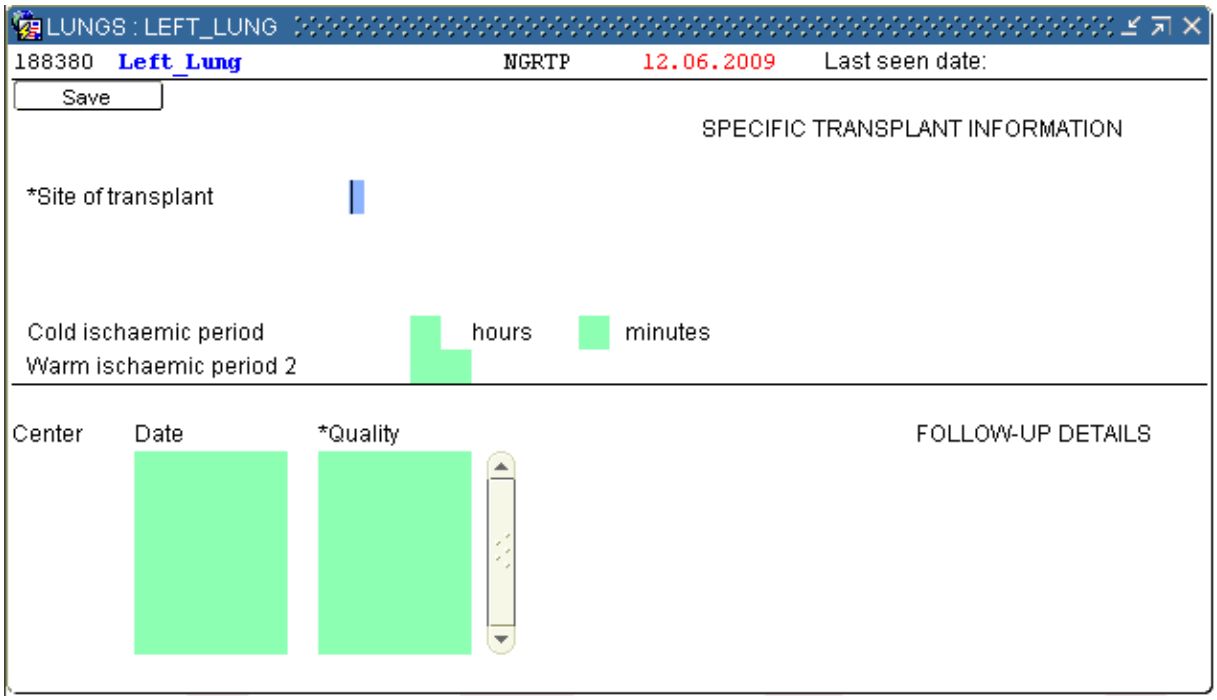
Pancreas



In this screen, the ET number and transplanted organ of the selected recipient is shown in the header, as well as the registration center and transplant date. The screen is divided in two parts: “Specific transplant information” and “Follow-up details”.
Enter the performance direct after transplantation (selection via F9) in the first part “Specific transplant information”. After that, information concerning the drainage and the duration of the ischemic periods can be entered.
Note: it is only possible to enter a value of <59 minutes in the field “minutes “of the the Cold Ischaemic periode duration.

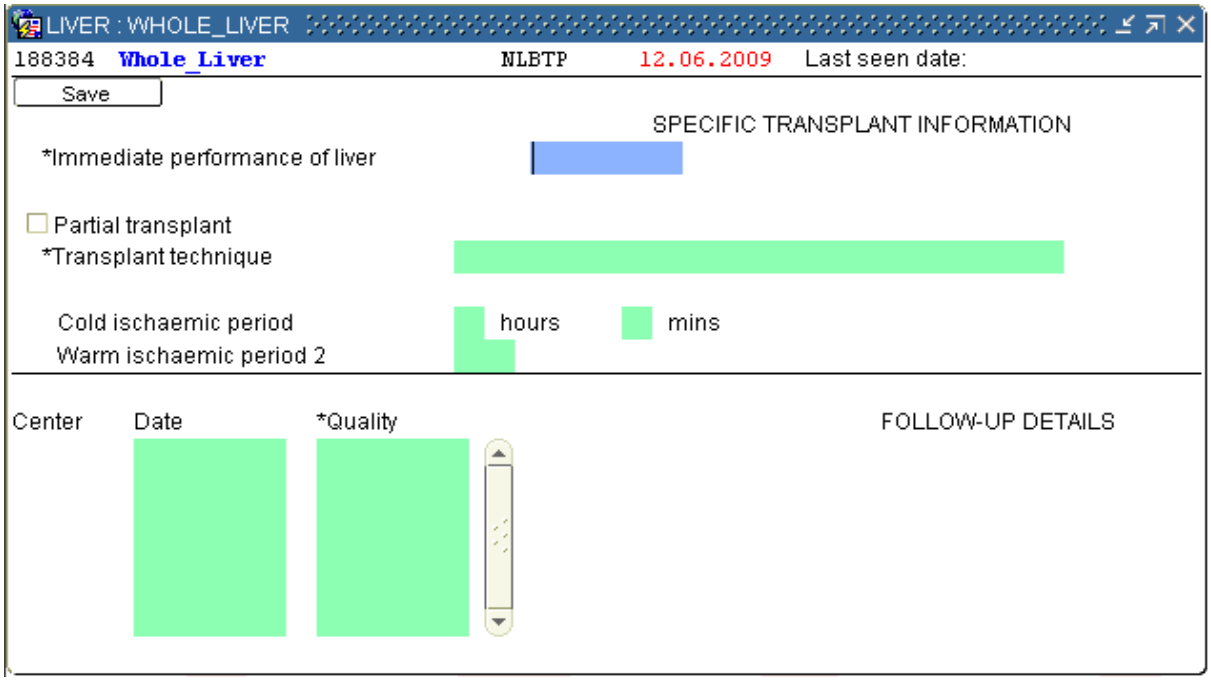
In the second part “Follow-up details” you can enter the glucose and the insulin levels. Start by entering the date (dd.mm.yyyy) and then enter the numeric value for glucose. Select the Unit via the LOV (selection via F9). Enter the numeric value for insulin and select the correct unit via F9. Save all information via F10 or the “Save” button.

Lung



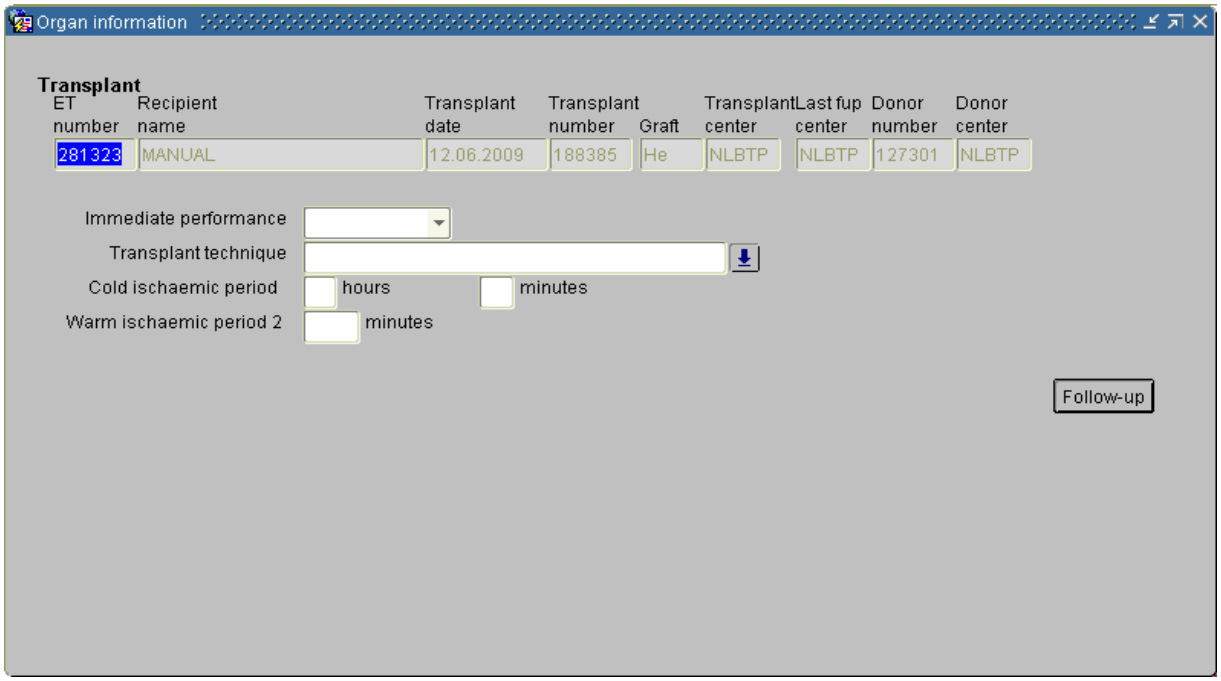
In this screen, the ET number and transplanted organ of the selected recipient is shown in the header, as well as the registration center and transplant date.
The screen is divided in two parts: “Specific transplant information” and “Follow-up details”.
In the first part “Specific transplant information”, enter the site of transplant (selection via F9) and the duration of the ischemic periods.
Note: it is only possible to enter a value of <59 minutes in the field “minutes “of the the Cold Ischaemic periode duration.
In the second part “Follow-up details”, you can enter the quality per date. Start by entering a date (dd.mm.yyyy), and then enter the quality (selection via F9). Save all information via F10 or the “Save” button.

Liver



In this screen, the ET number and transplanted organ of the selected recipient is shown in the header, as well as the registration center and transplant date. The screen is divided in “Specific transplant information” and “Follow-up details”.
In the part “Specific transplant information”, enter the performance direct after transplantation and the transplant technique (selection via F9). Enter the duration of the ischemic periods (max. 59 minutes).
If the liver your recipient received was reduced, please check “Partial transplant”.
In the second part “Follow-up details”, you can enter the quality per date. Start by entering a date (dd.mm.yyyy), then enter the quality (selection via F9).
Save all information via F10 or the “Save” button.

Heart



The screen for the heart differs from the other organs. Enter the performance direct after transplantation and the transplant technique (selection via the arrow). Enter the ischemic periods.
Note: it is only possible to enter a value of <59 minutes in the field “minutes “of the the Cold Ischaemic periode duration.
Save the information via F10 or the disk button.
Now you can click the Follow Up button to enter more heart post-transplant follow up in the separate database. (See for instructions the Web Follow Up Manual).

6.1.6 HLA

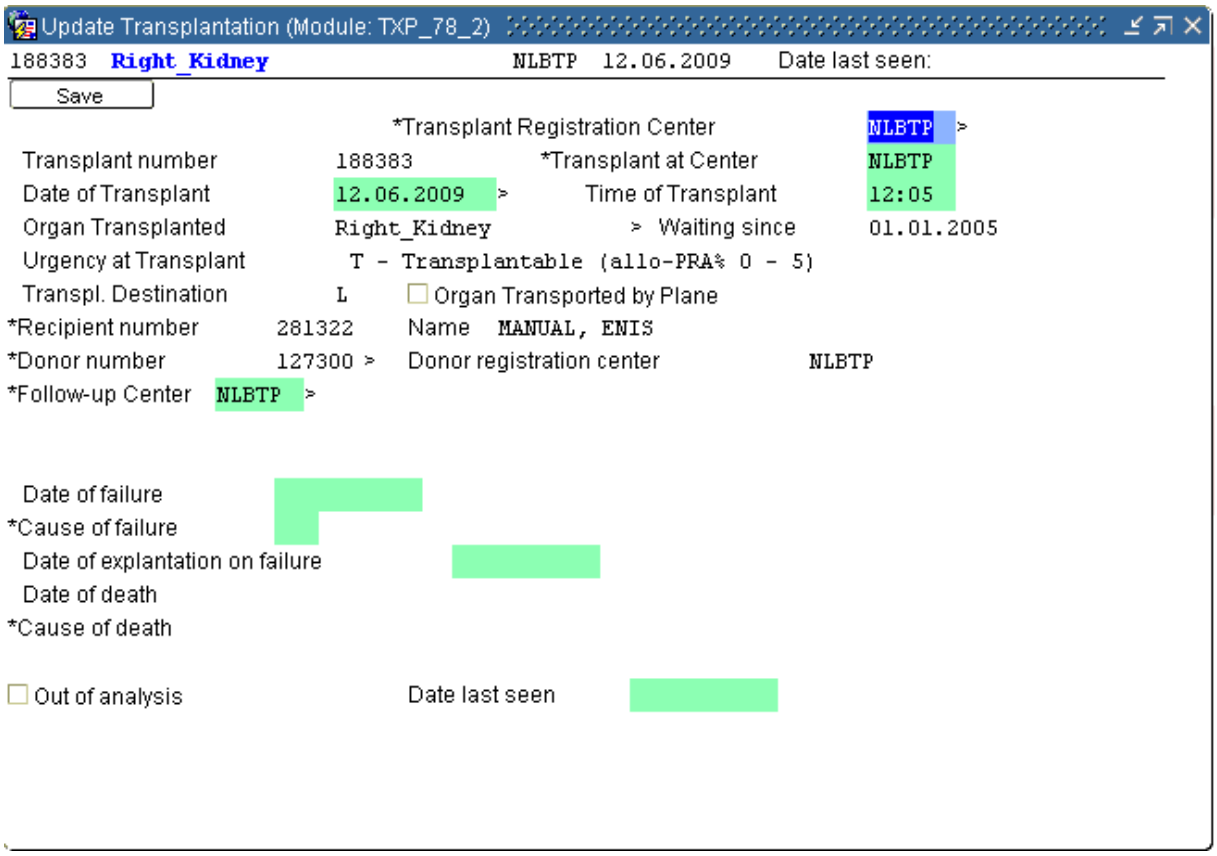
The option HLA in the TXP menu navigates to the HLA registration screen of the recipient (for description, see 3.1.2 Entering HLA typing)

6.2 Updating transplant records

6.2.1 Update transplant information

The transplant registration screen can be updated with the date last seen, or data concerning failure of the organ. This must be done before the recipient can be placed back

on the waiting list.
If you want to update the data, select the transplantation and go to TXP – Update.



You can enter if the organ was transported by plane. Select the checkbox “Organ transported by plane” if this was done.
For the rest of the update, please move to the lower part of the screen. The following updates can be entered:

Failure of the transplanted organ

Both the ‘Date of failure’ and ‘Cause of failure’ should be entered. Select the “Cause of failure” from a list (F9). When the organ is explanted also fill in the ‘Date of explantation on failure’. Save the information via F10 or the button “Save”.

Death of a Recipient

If a recipient has died, the ‘Date of death’ and ‘Cause of death’ must be registered in the screen Recipient – Deceased. For description, see3.4.3 Register deceased
Please complete the fields concerning graft failure (if applicable) and the ‘Date last seen’ field. The ‘Date last seen’ should be equal to the ‘Date of death’. Save the information via F10 or the button “Save”.

Pancreas transplant technique (Pancreas only)

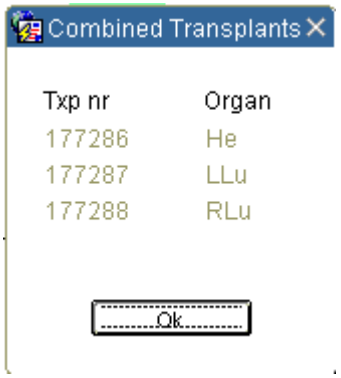
Here can be registered what the transplant technique for the pancreas was. Enter the data via the list of values (F9 for selection). Save the information via F10 or the button “Save”.

Recipient Out of analysis

If a recipient is lost to follow-up, the ‘Date last seen’ should be entered and the checkbox ‘Out of analysis’ should be marked. Save the information via F10 or the button “Save”.

Update the date last seen.
Every time the recipient was seen at your clinic or upon ‘annual inquiry’, you can update the ‘Date last seen’ field. Save the information via F10 or the button “Save”.

Note: in case of a combined transplantation, in the ‘Transplant Update’ screen a ‘Combined Txp’ button will be visible.When you click on this button a small window is popped up with transplant numbers and the corresponding organ details of the combined organ transplantation.



6.2.2 Automatic updates after transplantation registration

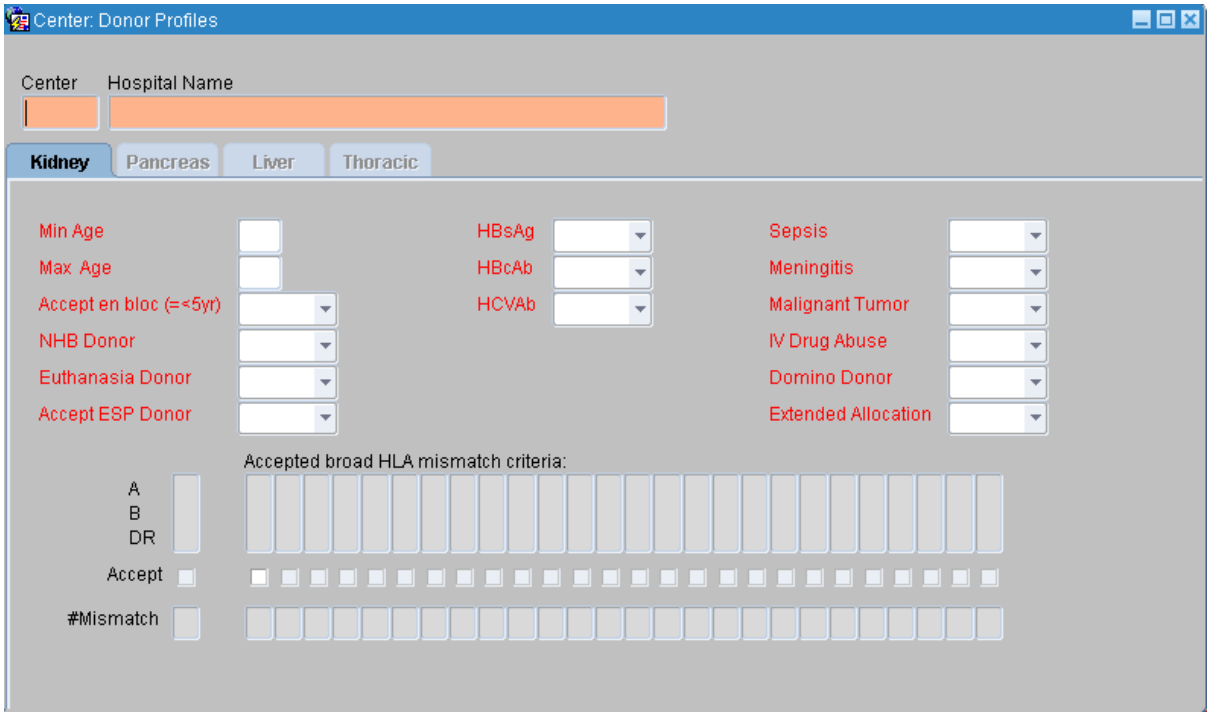
After the registration of the transplantation, the recipient is removed from the waiting list for this organ. The “Urgency code” is changed to “FU” (Follow-up /Transplanted).
The “Organ Screen” is updated with the “Date removed from waiting list”. The “Reason for removal” is “Transplanted”.
The transplant data is shown in the screen “Status and Events”.
The number of transplants of this type carried out on this recipient is totaled and visible in the Recipient Organ screen in the “Cumulative transplants” field.
It is not possible te register the transplantation for intestine yet. The ET administration registers this vai a stust change in the waiting list screen. After this, the recipient is removed from the waiting list and the status lines will be shown in the Status and Events screen

7 Center information registration and update

7.1 Registration and update Donor Center Profiles

In the center profile screen the donor requirements for all organ matches can be entered and changed at any time. All Profiles will be available as tab pages per organ.
Note: When the requirement is specified in the recipient specific profile, the corresponding center profile requirement will be ignored. When the recipient requirement is empty, the center profile requirement is used. We advise to enter a recipient specific profile, to make sure the offer you get will fits the requirement for that recipient.

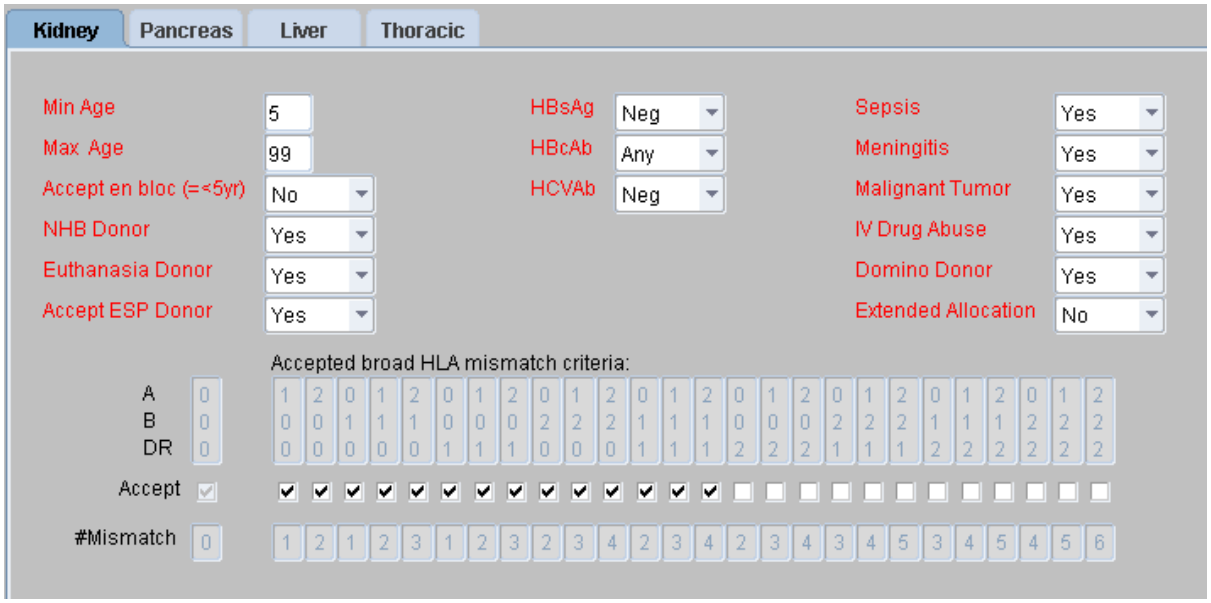
To enter or update the center profile, select Center – Donor Profiles – Other organs (in the menu you can see “Thoracic”. This leads to an old screen which is not in use anymore). A search screen opens:



Type your own center code (XXXTP) and press F8. Now the screen becomes accessible and can be entered or updated. The screen contains tabs for the separate organs. Only the profile for the thoracic organs is a combined profile. Below, all tabs will be described per organ.

7.1.1 Kidney

The tab “Kidney” contains the Kidney Center Profile.



If you enter the screen for the first time, all fields are empty. For all the items (except age) there is a small list of values available (click the arrow next to the field). The mandatory fields are red. The following requirements can be entered:

Min age / Max age	Minimum and maximum acceptable donor age. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
Accept en bloc (=< 5yr)	En bloc offers for donors of age 5 and younger accepted Yes/No. No automatic filtering is done on this item. It appears on the match reports that are used by the allocation coordinators.
NHB Donor	Non-heartbeating donors accepted Yes/No.
Euthanasia Donor	Euthanasia donors accepted Yes/No.
Accept ESP Donor	ESP donors accepted Yes/No.
HbsAg / HbcAb / HCVAb	There are two possible entries: ‘Any’ and ‘Neg’, selectable by a list of values (arrow at end of field). ‘Any’ means HbsAg or HbcAb or HCVAb positive and negative donors are accepted. When entering ‘Neg’, only HbsAg or HbcAb or HCVAb negative donors will be accepted.
Sepsis	Donors with sepsis accepted Yes/No.
Meningitis	Donors with meningitis accepted Yes/No.
Malignant Tumor	Donors with a malignant tumor accepted Yes/No.
IV Drug Abuse	Donors with IV drug abuse accepted Yes/No.
Domino Donor	Domino donors accepted Yes/No.
Extended Allocation	Extended allocation accepted Yes/No.

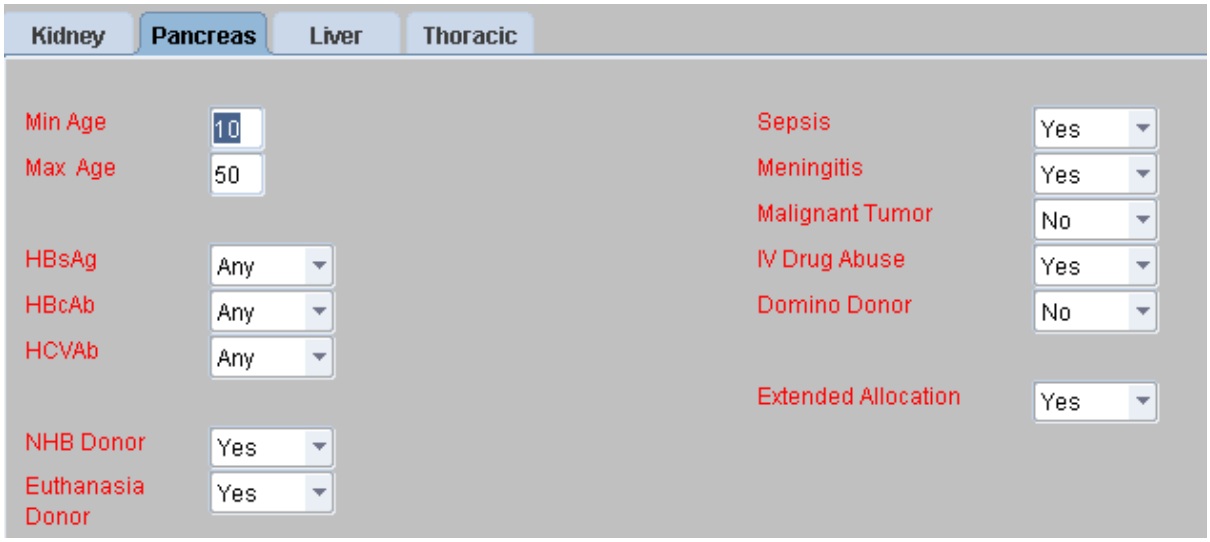
In the lower part of the screen, enter the broad HLA mismatches that are accepted. The “Accepted broad HLA mismatch criteria” selection area contains five lines. The first three lines contain the mismatch criteria, shown in a vertical line (A, B, Dr). They must be read from top to bottom. The fourth line is the selection (accept) line, where the criteria can be individually selected. Criteria can be individually selected and deselected, there are no

limitations. Only 000 cannot be deselected. The fifth line is for your information. It shows the total number of mismatches in the corresponding criteria

Once you entered or updated the information, save the information via F10 or the disc button.

7.1.2 Pancreas

The tab “Pancreas” contains the Pancreas Center Profile.



For all the items (except age) there is a small list of values available (click the arrow next to the field).

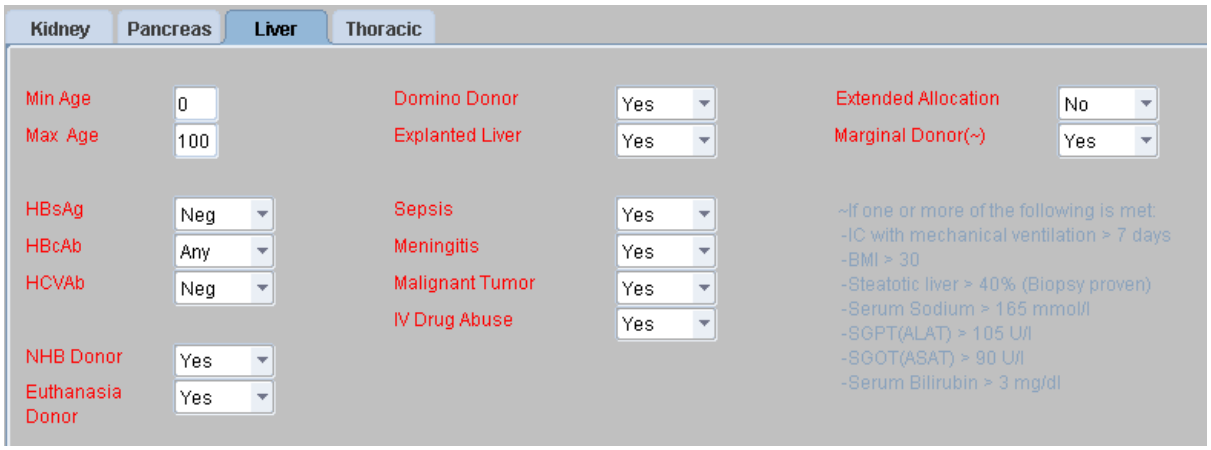
Whether a requirement is applicable to a certain recipient depends on this recipient’s specific profile. When the requirement is specified in the recipient specific profile, the corresponding center profile requirement will be ignored. When the recipient requirement is empty, the center profile requirement is used.
The following requirements can be entered:

Min age / Max age	Minimum and maximum acceptable donor age. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
HbsAg / HbcAb / HCVAb	There are two possible entries: ‘Any’ and ‘Neg’. ‘Any’ means HbsAg or HbcAb or HCVAb positive and negative donors are accepted. When entering ‘Neg’, only HbsAg or HbcAb or HCVAb negative donors will be accepted.
NHB Donor	Non-heartbeating donors accepted Yes/No.
Euthanasia Donor	Euthanasia donors accepted Yes/No.
Sepsis	Donors with sepsis accepted Yes/No.
Meningitis	Donors with meningitis accepted Yes/No.
Malignant Tumor	Donors with a malignant tumor accepted Yes/No.
IV Drug Abuse	Donors with IV drug abuse accepted Yes/No.
Domino Donor	Domino donors accepted Yes/No.
Extended Allocation	Extended allocation accepted Yes/No.

Once you entered or updated the information, save the information via F10 or the disc button.

7.1.3 Liver

The tab “Liver” contains the Liver Center Profile.



For all the items (except age) there is a small list of values available (click the arrow next to the field). The mandatory fields are red.
The following requirements can be entered:

Min age / Max age	Minimum and maximum acceptable donor age. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
HbsAg / HbcAb / HCVAb	There are two possible entries: ‘Any’, ‘Neg’. ‘Any’ means HbsAg, HbcAb or HCVAb positive and negative donors are accepted. When entering ‘Neg’, only HbsAg, HbcAb or HCVAb negative donors will be accepted.
NHB Donor	Non-heartbeating donors accepted Yes/No.
Euthanasia Donor	Euthanasia donors accepted Yes/No.
Domino Donor	Domino liver accepted Yes/No
Explanted liver	Explanted liver accepted Yes/No.
Sepsis	Donors with sepsis accepted Yes/No.
Meningitis	Donors with meningitis accepted Yes/No.
Malignant Tumor	Donors with a malignant tumor accepted Yes/No.
IV Drug Abuse	Donors with IV drug abuse accepted Yes/No.
Extended Allocation	Extended allocation accepted Yes/No.
Marginal donor	Marginal donor accepted Yes/No.

A donor is a marginal donor when one of the following items is met:

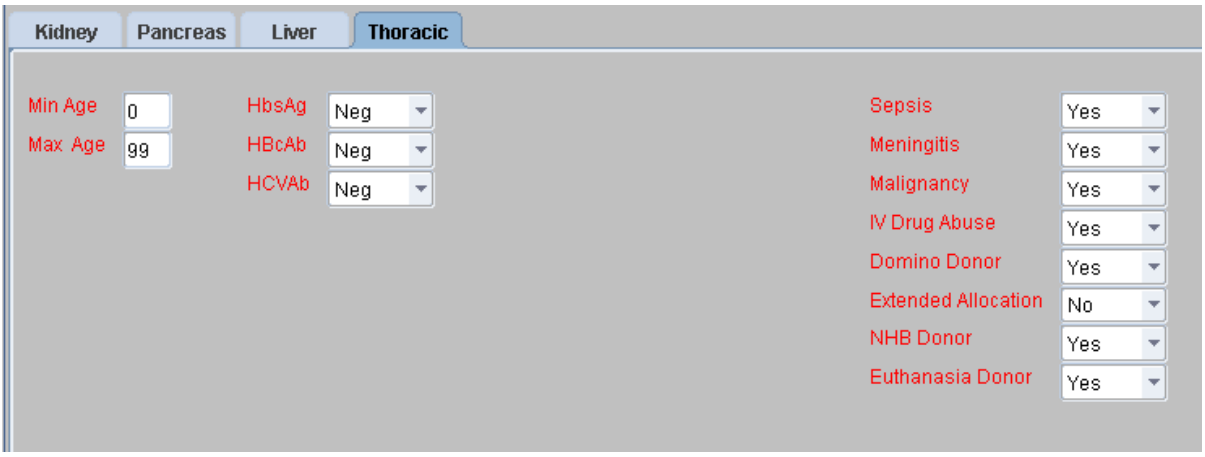
- √ IC with mechanical ventilation > 7 days
- √ BMI > 30
- √ Steatotic liver > 40% (Biopsy proven)
- √ Serum Sodium > 165 mmol/l
- √ SGPT (ALAT) > 105 U/l
- √ SGOT (ASAT) > 90 U/l
- √ Serum Bilirubin > 3 mg/dl

All these criteria are shown in the screen, as a reminder.

Once you entered or updated the information, save the information via F10 or the disc button.

7.1.4 Thoracic

The tab page “Thoracic contains the Center Profile for the thoracic organs.



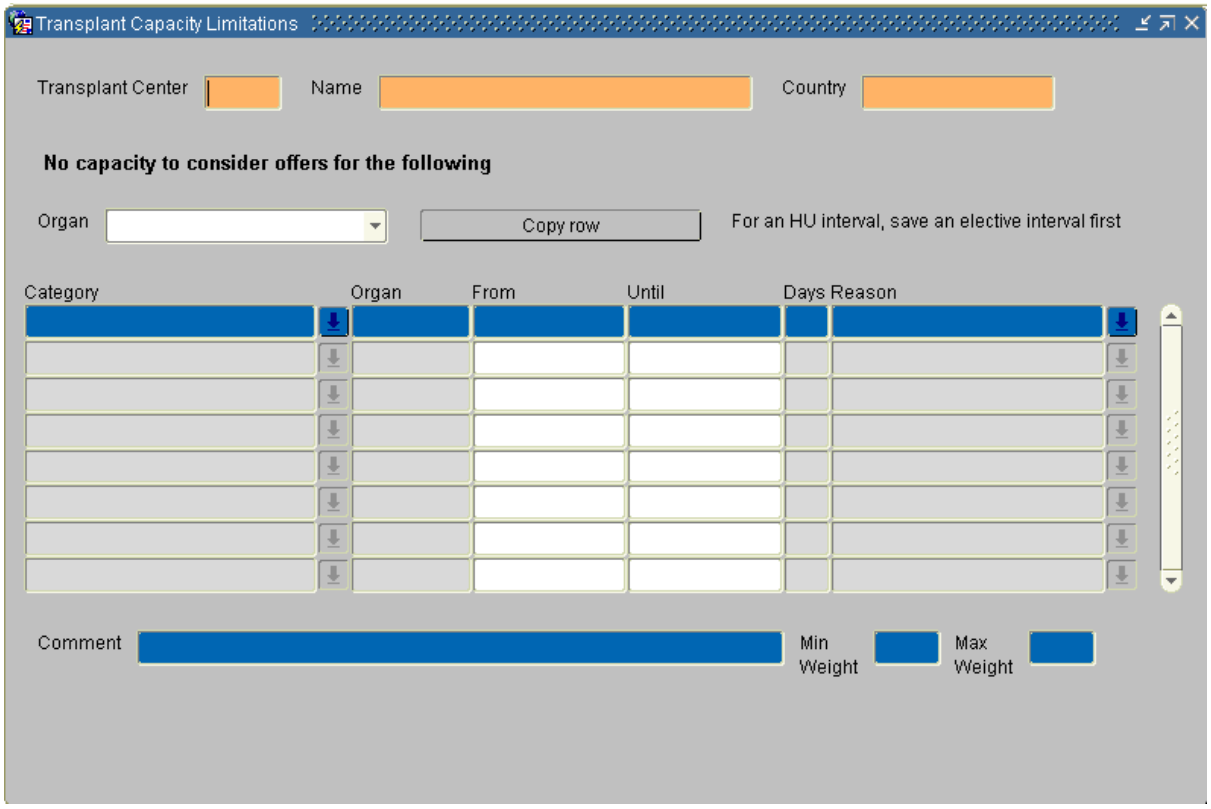
For all the items (except age) there is a small list of values available (click the arrow next to the field). The following requirements can be entered:

Min age / Max age	Minimum and maximum acceptable donor age. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
HbsAg / HCVAb / HbcAb	There are two possible entries: ‘Any’, ‘Neg’. ‘Any’ means HbsAg, HbcAb or HCVAb positive and negative donors are accepted. When entering ‘Neg’, only HbsAg, HbcAb or HCVAb negative donors will be accepted.
Sepsis	Donors with sepsis accepted Yes/No.
Meningitis	Donors with meningitis accepted Yes/No.
Malignancy	Donors with a malignant tumor accepted Yes/No.
IV Drug Abuse	Donors with drug abuse accepted Yes/No
Domino Donor	Domino donors accepted Yes/No.
Extended Allocation	Extended allocation accepted Yes/No.
NHB Donor	Non-heartbeating donors accepted Yes/No.
Euthanasia Donor	Euthanasia donors accepted Yes/No.

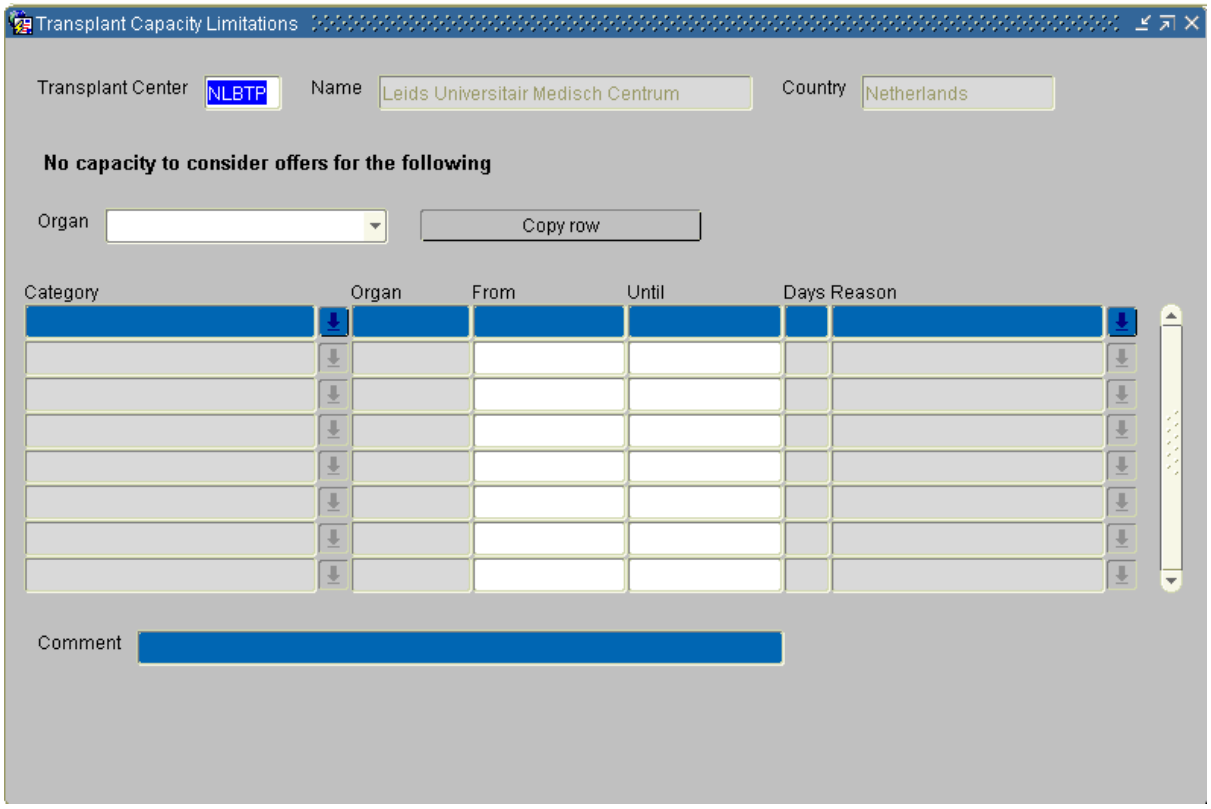
Once you entered or updated the information, save the information via F10 or the disc button.

7.2 Transplant Capacity Limitations

If there is no capacity in your center to transplant an organ, you must register this in the ENIS system so you will not receive any offers in that period. The recipients for the organ you entered will be excluded from the match.
Go to Center – Transplant Capacity Limitations. The following screen appears:

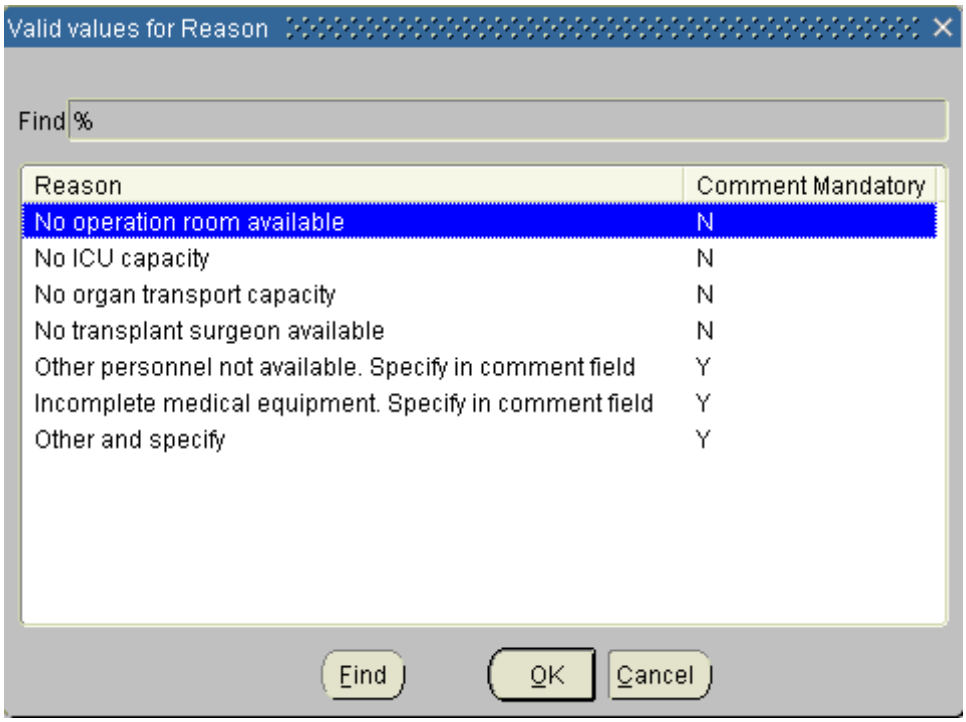


Start by selecting your own center, enter your center code (XXXTP) in the field “Transplant center” and select F8.



The first line is automatically filled with the name and Country of your center.
Select the organ by using the LOV (arrow at end of field) and select a Category of recipients. The field organ is filled automatically. Enter the “start date and time” for the capacity limitation in the field “From” and the finish dat and time for the capacity limitations in the

“Until” field (dd.mm.jjjj hh:mm). The applications calculates the duration of the limitation and places the number of days in the field “Days”.
Select the reason why there is no capacity form the LOV (arrow at end of field). A pop-up appears where the reason can be selected.



The pop-up contains two columns: Reason and Comment Mandatory.
If “Comment mandatory” is “Yes”, a comment must be entered with the specification of the reason. For all other reasons, a comment is optional.
Once you entered or updated the information, save the information via F10 or the disc button.
Note: it is not possible to enter no capacity for HU recipients only. If you don’t have capacity to transplant elective and HU recipients, select the elective recipients first. Save the information you entered. After you have saved it, you can select the HU recipient in the field Category.

If more than one category recipients are selectable in the Transplant capacity limitations sreen and the limitations apply to all recipients in your center for the same organ, you can enter this in an easier way:
First enter all the information for one category recipients and then use the button “Copy row”. The entered information will be copied for all categories at once.

Note: for HU and ACO liver recipient the entered no capacity data is ignored. These recipients will appear on the match list due to the urgent need of a organ for these recipients

8 Reports

8.1 General information

It is possible to request and print a number of different reports with recipient and donor information via the ENIS system. Next to the reports several extract can be requested to provide information and offer the possibility to load the information into Excel or a different program, so the information can be adapted for personal use.
All reports and extracts have an identification code and a short description. The identification code starts always with one or two characters, sometimes followed by another letter and at the end a number, sometimes followed by a character. This will be committed in the descriptions below.
The first characters have the following meaning:

A	Allocation report
B	Exchange Balance
C	Center reports
D	Donor reports
HE	Heart reports
HL	Heart/Lung reports
K	Kidney reports
LI	Liver reports
LU	Lung reports
P	Pancreas reports
Q	ITRF reports
R	Recipient reports
REC	Recipient extract
T	Transplant reports

The second characters (after the underscore '_') have the following meaning:

AM	AM recipients
HU	HU recipients
IM	Immunological data
H	History overview
M	Match
P	Donor profiles
R	Report
T	Transplant data
WL	Waiting list
X	Extract

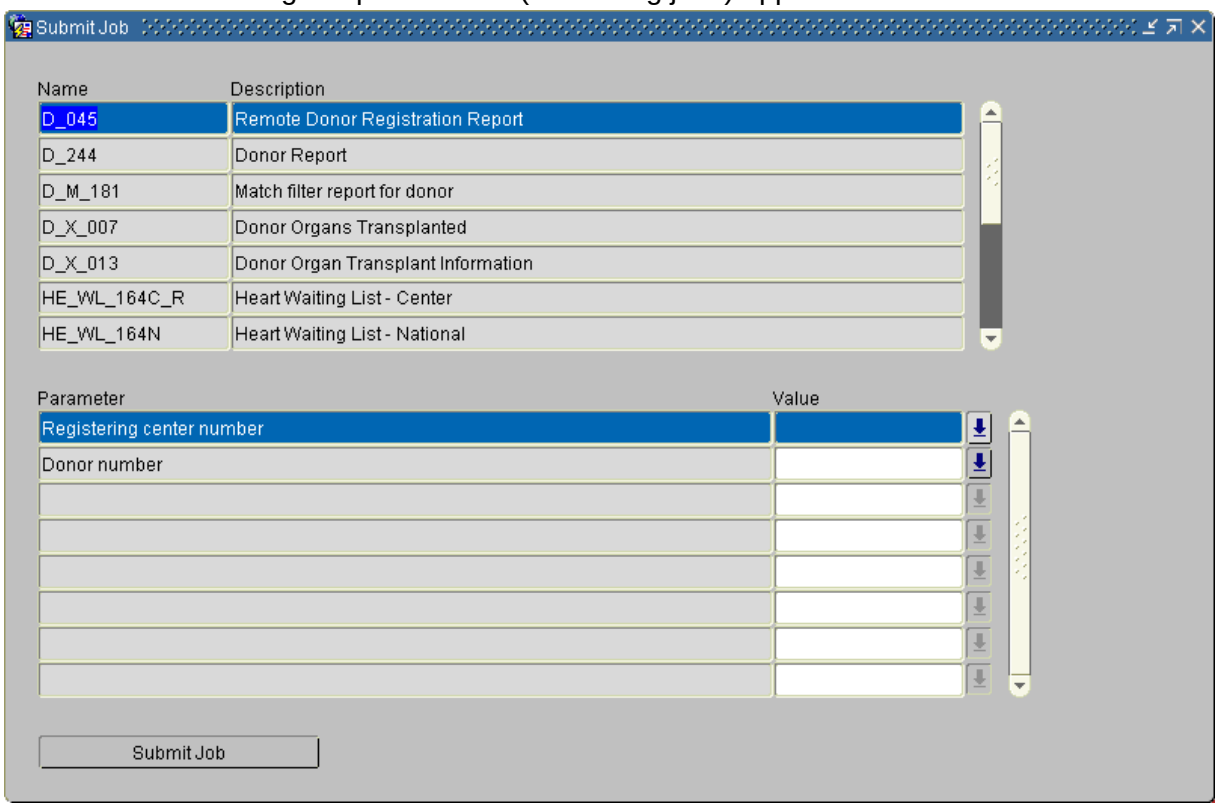
Sometimes there's a character at the end, indicating the sort-order:

C	Center
N	National
PB	Page breaks

For example: HE_WL_164C is the Heart (HE) waiting list (WL) report number 164 (164) ordered per center (C).
In chapter 9, all available reports and extracts are described, sorted per type report or extract.

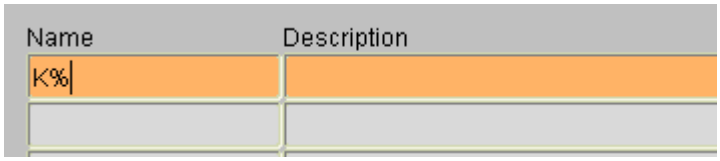
8.2 Request a report

If you want to request a report or extract, start ENIS and select Reports – Submit Job
The screen for starting a report/ extract (submitting jobs) appears:



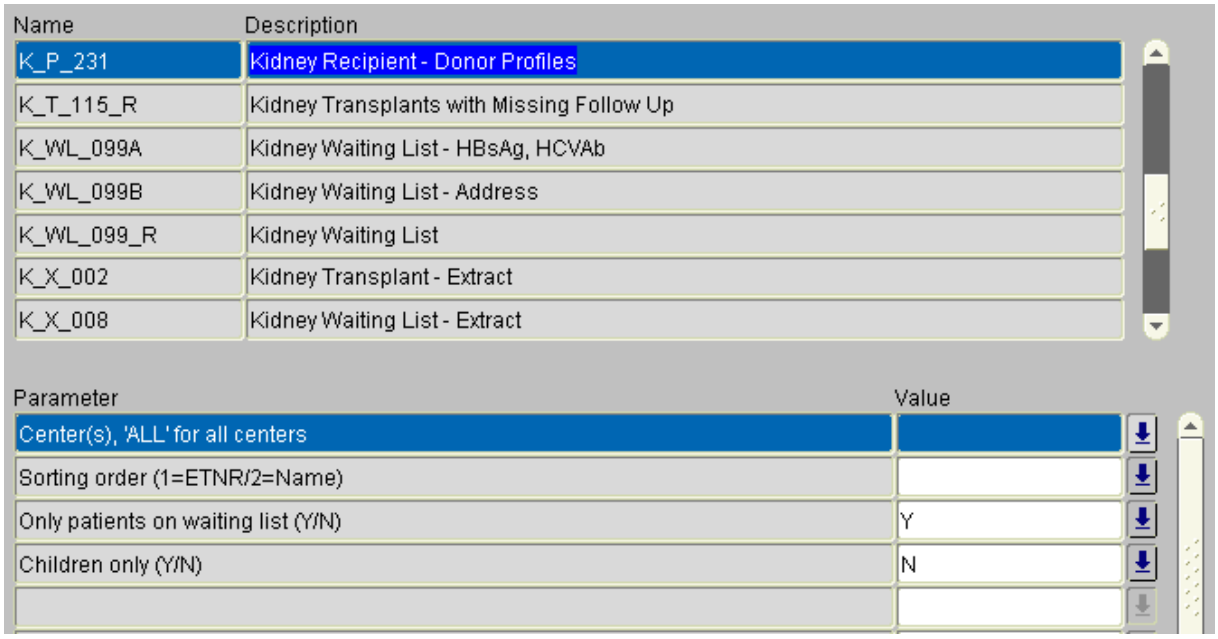
The upper part of the screen contains all available reports and extracts. You can scroll through this list and select the report that you want to start. Or you can search for a specific report.

Press F7 (Start Search) or the button. The available reports now disappear, and the columns “Name” and “Description” turn orange, indicating that you can search in both fields. The fastest way to search is enter the entire identification code, then click F8 or the Execute button. The requested report/ extract appears.
If you don’t know the code, you can use the ‘%’ character as a wildcard to search for reports. If you would like to find all Kidney reports and extracts, type “K%”:

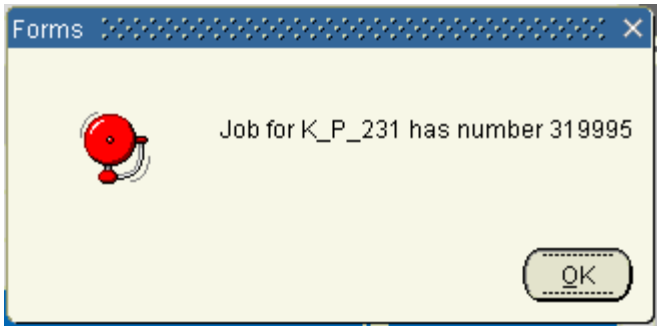


Now click on F8 or the button to find the reports you are looking for. All reports and extracts starting with the letter “K” will appear. You can scroll through the list. Select the wanted reports or extract.

Underneath the list with reports you will find a list with parameters. These are a number of specifications for the requested report or extract. For example, if you request a recipient report, you have to enter the ET recipient number. Depending on the report selected, this list will change. Each report requires different parameters. Next screen is an example for a recipient report:



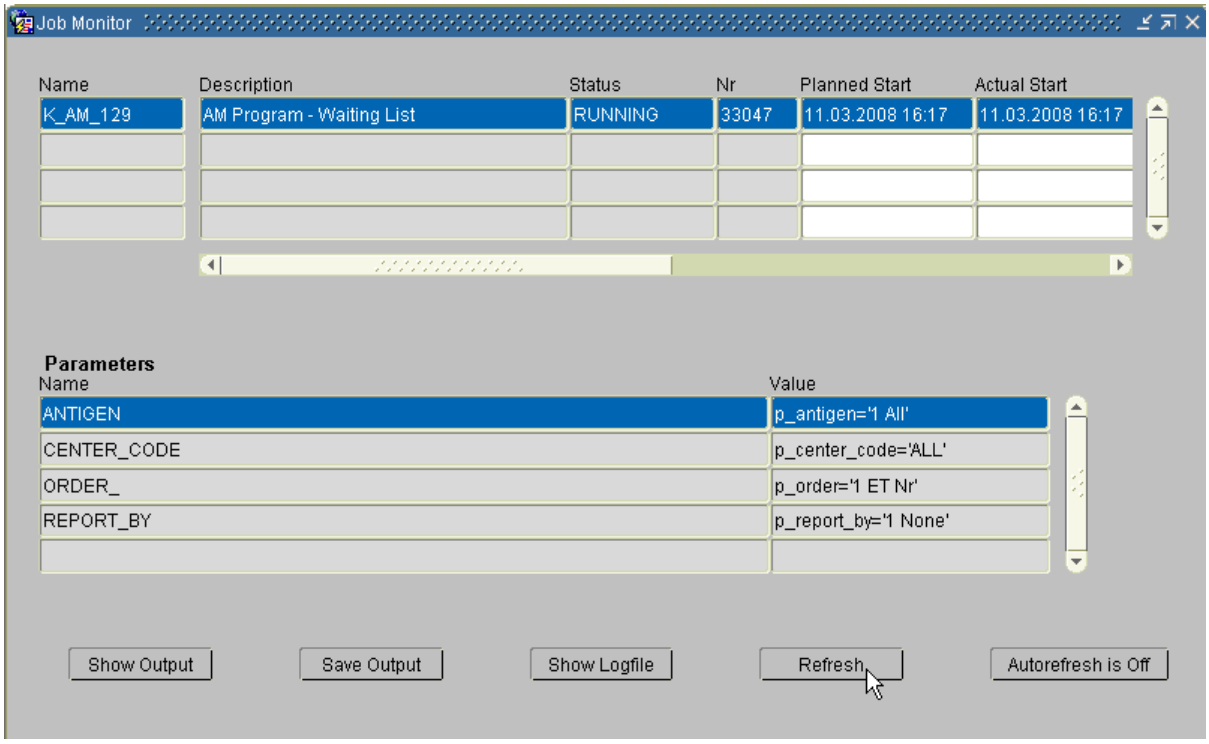
The parameters must be selected in the fields under “Values”. If there is a list of values to choose from for that parameter, the arrow-button behind the Parameter-values field is enabled. If not, you can type in a value.
To start the report or extract, click ‘Submit Job’. A message will be shown, incl. the selected report and the job number.
For example, this is the message for the K_P_231 Kidney recipient – Donor profile report:



Click “Ok”.
This job number can be used to find your report in the next screen, ‘Monitor jobs’.

8.3 Status of your reports

After you requested a report or extract, the screen “Monitor Jobs” offers the possibility to see the progress of the report or extract. Via this screen, the report or extract can be printed or saved.
Go to Reports – Monitor Jobs



The screen with all requested reports or extracts appears. The screen contains two parts.

The first part gives you a list of jobs you started with the latest one on top. The vertical scrollbar lets you scroll to other reports/ extracts which are not visible.
In the screen, the name and description of the report/ extract is shown, the status of the report/ extract and the Job number and planned and actual start of the report/ extract.
The column “Status” shows the status of your report. These are the different statuses:

Queued this status indicates that the report or extract in waiting in line to start. It is placed in a queue, what may happen if multiple centers request reports at the same time.

Running this status shows the report/ extract is still being processed, all information is gathered.

Succeeded this status shows the reports or extract is ready. You can open and print or save the report or extract.

Error This status shows the report or extract did not run and encountered an error.

Note: some reports or extracts take a while to finish. It might look as if it is not working but as long as the status is “Running” the information is still gathered. If the report fails to run, the word “Error” will appear in the column “Status”. Please try to run the report again, if the status ‘Error” appears again, contact Eurotransplant

The second part shows the parameters per report you enterer to define this report.
The button ‘Show Output’ will open the selected report as a PDF file, for you to view and print.
The button ‘Save Output’ let’s you specify a directory to save the report to.
The button ‘Show Log file’ lets you view the history of the processing of the report. This could be handy if an error occurred during processing of the report. The helpdesk or DBA could ask you for information in this file.

The screen shows the overview at time of opening. Clicking the refresh button (or F8) will refresh the screen. Some reports take longer and you will have to wait and refresh the screen now and then, before the status 'Succeeded' appears. You can manually refresh the Job Status or turn on the 'Automatic refresh is On/Off' on (this will refresh the job's status every 5 seconds).

8.4 Printing or saving your reports

Printing or saving reports is made very easy in ENIS. As soon as the report has the status "Succeeded", click "Show Output". The report appears in PDF format. You can now save the report via the disk or print the report via the printer button.
After you selected the disk, a search screen opens so you can select a folder where you can save the report.

8.5 Save and process extracts

Theer are two possibilities to open the extracts:

1. Via Show Output
2. Via Save Output

Show Output
With Show output the standard programm (for example Notepad) is started where all data is shown.
By clicking on File – Save as… you can save the output as a text –file in a folder of your own choice.

Save Output

If you want to work with the data immediately, you can click Save Output. You will get the question if you want to save the data or open it. Select Open Excel (for example) and the data is shown in the standard program (usually Excel). Now you can modify all data in the extract

.

9 Overview of available reports and extracts

In this chapter, all reports and extract available for remote users will be described.
Reports contain information concerning recipient, donor or transplant, to provide overview of registration and changes made.
Extracts are special reports, meant to be processed in a program like Excel, DBF, Access, etc. for readability. After the first character in the name, indicating the organ, you will find the character 'X', indicating that this is an extract. The content covers several recipient, donor and transplant items or parameters. After downloading the file, the output file can be viewed, prepared and analyzed with the tool you prefer.
Per report is described what parameters can be selected. The reports and extracts are described in categories, to provide better overview.

9.1 Waiting lists reports

9.1.1 Report K_WL_099_R Kidney Waiting List

This report contains all recipient registered on the kidney waiting list in your center.
Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'.
Sort	Enter a number from 1 to 4. The following sorting orders will be applied: 1. ET registration number. 2. Last name. 3. ABO. 4. Urgency.
Page break on dialysis center	Yes/ No. If "Y", recipients are grouped by dialysis center. If "N", all recipients will be reported by sorting order
Cluster list	Yes/ No. If "Y", all recipients of the participating centers will be reported. If "N",only recipients of the own center will be reported
Age range	All/ 64/ 64+/ 65+. If 64, only 64 year old recipients will be selected. If 64+ only 64 year old and older recipients are selected. If 65+ only 65 year old and older recipients are selected
Living only	Yes/ No. If "Y", only recipients awaiting a living transplantation will be selected. If "N", all recipients will be selected
Active only on kidney waiting list	Yes/ No. If "Y", only recipients awaiting a kidney transplantation will be selected. If "N", recipients awaiting a combined PA/Ki transplantation will be selected

The header contains the center code, the dialysis center and an indication whether the option 'Cluster list' is selected.The body contains the following recipient information:
In the first line:

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Sex	Male or Female

Column header	Description
Ctr	Center code
Dob	Date of birth of recipient
Organ	Combination of organ requirements
Urg	Urgency code
Cum. Txp	Previous kidney transplants, this includes transplants combined with other organs
ABO	Blood group of recipient
Scrn. Date	Date of last antibody screening. The date will be followed by an * when the screening is outdated
Waiting time: Prev Curr Match	 Previous waiting time Current waiting time Total of previous and current waiting time
Waiting Since	At the bottom of the page the actual waiting time is explained
Part. In	ETKAS/ES(D)P. Indication whether recipient is participating in the ES(D)P program or the ETKAS program (German recipients only)
Full Phenotype	Current full match phenotype
Dialysis Ctr	Dialysis center
Unacc. Antigens	HLA unacceptable antigens

In the second line:

Column header	Description
Name	Last name
MMP	Mismatch probability allocation factor calculated on HLA DR split level
R%	Current antibody percentage
Auto	Auto antibody testing
DTT	DTT cross match needed (Yes/ No)
H%	Highest antibody percentage
Urgency date	Date of the current urgency

The end of the report shows the total number of recipients on the waiting list of the specified center and the number of active recipients (urgency HU, T, I or HI) that have:

- ✓an outdated screening.
- ✓without date of first dialysis or technique.
- ✓not on dialysis.
- ✓waiting since date out of waiting room.

9.1.2 Report K_WL_099A Kidney Waiting List - HBsAg, HCVAb

This report contains all recipient registered on the kidney waiting list in your center, incl. the HBsAg and HCVAb status. Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
Sort	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET registration number. 2. Last name.

Name Parameter	Description
Report per dialysis center	Yes/ No. If “Y”, Recipients are grouped by dialysis center. If “N”, all recipients will be reported by ET Nr.
Cluster list	Yes/ No. If “Y”, all recipients of the participating centers will be reported. If “N”, only recipients of the own center will be reported.
Only rcps >= 65 years	All recipients 65 years and older will be selected
Only living	Yes/No. If “Y”, only recipients awaiting a living transplantation. If “N”, all recipients will be reported.

The header contains the center code and an indication whether the option ‘Cluster list’ is selected. The body contains the following recipient information:

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name	Last name of recipient
Sex	Sex of recipient
Dob	Date of birth of recipient
Hgt	Height of recipient
Wgt	Weight of recipient
Organ(s)	Organ requirement and organ combinations
U	Urgency code
Cum. Txp	Previous kidney transplants, this includes transplants combined with other organs
ABO	Blood group of recipient
Full Phenotype	Current full match phenotype
Scrn. Date	Date of last antibody screening. The date will be followed by an * when the screening is outdated
R%	Current antibody percentage
Auto	Auto antibody testing
DTT	DTT cross match needed (Yes/ No)
H%	Highest antibody percentage
Unacc. Antigens	HLA unacceptable antigens
HBsAg	HBsAg status of recipient
HCVAb	HCVAb status of recipient
Waiting since	Date of first dialysis
Dial. City	Dialysis city

The end of the report shows the total number of recipients on the waiting list of the specified center and the number of active recipients (urgency HU, T, I or HI) that have:

- ✓an outdated screening.
- ✓without date of first dialysis or technique.
- ✓not on dialysis.
- ✓waiting since date out of waiting room.

9.1.3 Report K_WL_099B Kidney Waiting List – Address

This report contains all recipient registered on the kidney waiting list in your center, incl. the address data.

Parameters for this report are:

Name Parameter	Description

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on TP.
Sort	Enter a number from 1 to 2. The following sorting orders will be applied: 1. Last name 2. Dialysis center and Last name
Page break on dialysis center	Yes/ No. If “Y”, recipients are grouped by dialysis center. If “N”, all recipients will be reported by sorting order
Cluster list	Yes/ No. If “Y”, all recipients of the participating centers will be reported. If”N”, only recipients of the own center will be reported.
Only rcps >= 65 years	All recipients 65 years and older will be selected.
Only living	Yes/ No. If “Y”, only recipients awaiting a living transplantation will be selected. If “N”, all recipients will be selected.

The header contains the center code, the dialysis center and an indication whether the option ‘Clusterlist’ is selected. The body contains the following recipient information:

In the first line:

Column header	Description
ET Nr	ET registration number of recipient
Ctr	Center code
Last Name	Last name of recipient
First name	First name of recipient
Dob	Date of birth of recipient
Urg	Urgency code of recipient
ABO	Blood group of recipient
Reduced match phenotype	Current reduced match phenotype (A and B broad, DR split)
PRA%	Current antibody percentage
Scrn. Date	Date of last antibody screening. The date will be followed by an * when the screening is outdated
CMV IgG	CMV IgG status
Dialysis Ctr	Dialysis city
Waiting since	Date of first dialysis

In the second line:

Column header	Description
Address	Address of recipient
Post Code	Postal code of recipient
City	City of recipient
Country	Country of recipient
Home Telephone	Home tel.nr of recipient
Other Telephone	Other tel.nr of recipient

The end of the report shows the total number of recipients on the waiting list of the specified center and the number of active recipients (urgency HU, T, I or HI) that have:

- ✓an outdated screening
- ✓without date of first dialysis or technique
- ✓not on dialysis
- ✓waiting since date out of waiting room.

9.1.4 Report HE_WL_164C_R Heart Waiting List - Center

This report contains all recipients registered on the heart waiting list in your center.
Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Short or long list	LOV: L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Last name. 2. ET registration number 3. ABO
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Cluster list	Yes/No. If "Y", ll recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.

* The fourth and fifth parameter can be combined to show only HU pediatric recipients.

The header contains the center code and an indication whether the options 'Cluster list', 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name	Last name of recipient
Dob	Date of birth of recipient
Sex	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
Organ req.	Organ requirement and organ combinations
ABO	Blood group and Rhesus factor of recipient
Urg	Urgency code of recipient
Foreign Approval	Foreign Approval Yes/ No
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Match Comment	Match comment

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. specificities	Cumulative antibody specificities
Full match phenotype	Current full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified center.

9.1.5 Report HE_WL_164N Heart Waiting List – National

This report contains all recipients registered on the heart waiting list in your country, a national heart waiting list, using the same layout as for HE_WL_164C. Data for non-local recipients are anonymous.

Parameters for this report are:

Name Parameter	Description
Short or long list	LOV L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Last name. 2. ET registration number 3. ABO
Children only*	Yes/No.If “Y”, only recipients younger than 16 years will be reported. If “N”, all recipients will be reported
HU recipients only*	Yes/No. If “Y”, only high urgency recipients will be reported. If “N”, all recipients will be reported.

* The last two parameters can be combined to show only HU pediatric recipients.

The header contains the country and an indication whether the options ‘Children only’ and ‘HU only’ are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient
Sex*	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
Organ req.	Organ requirement and organ combinations
ABO	Blood group and Rhesus factor of recipient
Urg	Urgency code of recipient
Foreign Approval	Foreign Approval Yes/ No

Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Match Comment	Match comment

* display only for recipients of your own center

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. specificities	Cumulative antibody specificities
Full match phenotype	Current full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.6 Report LU_WL_165C_L_R Lung Waiting List - Center

This report contains all recipients registered on the lung waiting list in your center.
Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Short or long list	LOV L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Name. 2. ET registration number 3. ABO 4.LAS score
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No.If "Y", only high urgency recipients will be reported.If "N", all recipients will be reported.
Cluster list	Yes/No.If "Y", all recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.

* The fourth and fifth parameter can be combined to show only HU pediatric recipients.

The header contains the center code and an indication whether the options 'Cluster list', 'Children only' and 'HU only' are selected.

The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number
Name	Last name
Dob	Date of birth
Sex	Sex
Wgt	Weight
Hgt	Height
TLC	Total lung capacity
Organ req.	Organ requirement and organ combinations
Lung req.	Lung requirement (Left/Right/Both)
ABO	Blood group and Rhesus factor
Urg	Urgency code
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Current LAS *	LAS score currently used in match
Valid until **	Date the validity of current match LAS ends
Match Comment	Match comment

*If the recipient has no valid LAS score, the field remains empty.
**For children >12, the date of their 12th birthday is shown.

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. specificities	Cumulative antibody specificities
Full match phenotype	Current full match phenotype

9.1.7 Report LU_WL_165N_L Lung Waiting List - National

This report contains all recipients registered on the lung waiting list in your country, a national lung waiting list, using the same layout as for LU_WL_165C including the Tot NT = Total days waiting time on not transplantable urgency. Data for non-local recipients are anonymous.
Parameters for this report are:

Name Parameter	Description
Short or long list	LOV L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version

Name Parameter	Description
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Last name. 2. ET registration number 3. ABO 4. LAS score
Children only*	Yes/No. If “Y”, only recipients younger than 16 years will be reported.If “N”, all recipients will be reported
HU recipients only*	Yes/No.If “Y”, only high urgency recipients will be reported. If “N”, all recipients will be reported.

* The last two parameters can be combined to show only HU pediatric recipients.
The header contains the country and an indication whether the options ‘Children only’ and ‘HU only’ are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient
Sex*	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
TLC	TLC of recipient
Organ req.	Organ requirement and organ combinations
ABO	Blood group and Rhesus factor of recipient
Urg	Urgency code of recipient
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Current LAS *	LAS score currently used in match
Valid until **	Date the validity of current match LAS ends
Match Comment	Match comment

* displayed only for recipients of your own center
**If the recipient has no valid LAS score, the field remains empty.
***For children >12, the date of their 12th birthday is shown.

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. Specificities	Cumulative antibody specificities

Column header	Description
Full match phenotype	Current full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.8 Report HL_WL_165C_R Heart/Lung Waiting List Center

This report contains all recipients registered on the heart/lung waiting list in your center.
Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Short or long list	L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Name. 2. ET registration number 3. ABO
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Cluster list	Yes/No. If "Y", all recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.

* The fourth and fifth parameter can be combined to show only HU pediatric recipients.
The header contains the center code and an indication whether the options 'Cluster list', 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number
Name	Last name
Dob	Date of birth
Sex	Sex
Wgt	Weight
Hgt	Height
TLC	Total lung capacity
Organ req.	Organ requirement and organ combinations
Lung req.	Lung requirement (Left/Right/Both)
ABO	Blood group and Rhesus factor
Urg He	Urgency code of recipient for heart
Urg Lu	Urgency code of recipient for lung
Foreign Approval	Foreign Approval Yes/ No
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)

Column header	Description
Ctr	Center code
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Match Comment	Match comment

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. Specificities	Cumulative antibody specificities
Full match phenotype	Current full match phenotype

9.1.9 Report HL_WL_165N Heart/Lung Waiting List – National

This report contains all recipients registered on the heart/lung waiting list in your country, a national heart/lung waiting list, using the same layout as for HL_WL_165C including the Tot NT = Total days waiting time on not transplantable urgency. Data for non-local recipients are anonymous.

Parameters for this report are:

Name Parameter	Description
Short or long list	L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Name. 2. ET registration number 3. ABO
Children only*	Yes/No. If “Y”, only recipients younger than 16 years will be reported.If “N”, all recipients will be reported
HU recipients only*	Yes/No. If “Y”, only high urgency recipients will be reported. If “N”, all recipients will be reported.

* The last two parameters can be combined to show only HU pediatric recipients.

The header contains the country and an indication whether the options ‘Cluster list’, ‘Children only’ and ‘HU only’ are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient
Sex*	Sex of recipient
Wgt	Weight of recipient

Hgt	Height of recipient
TLC	TLC of recipient
Organ req.	Organ requirement and organ combinations
Lung req.	Lung requirement (Left/Right/Both)
ABO	Blood group and Rhesus factor of recipient
Urg He	Urgency code of recipient for heart
Urg Lu	Urgency code of recipient for lung
Foreign Approval	Foreign Approval Yes/ No
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Match Comment	Match comment

* display only for recipients of your own center

Second line (only printed in the long report)

Column header	**Description**
Scr. Date	Date of last antibody screening.
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. Specificities	Cumulative antibody specificities
Full match phenotype	Current full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.10 Report LI_WL_167C_R_ Liver Waiting List – Center

This report contains all recipients registered on the liver waiting list in your center. The report can serve as an indicator as to

- ✓ where an individual recipient is at that moment.
- ✓ whether a recipient is in a group of recipients with the same MELD score.
- ✓ how many recipients have a higher or lower MELD score at that moment.

Parameters for this center specific report are:

Name Parameter	**Description**
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Cluster list	Yes/No. If "Y", all recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.
Sort on	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ABO 2. ET registration number

* The second and third parameter can be combined to show only HU pediatric recipients.
The header contains the center code and an indication whether the options 'Children only', 'HU only' and 'Cluster list' are selected.

The body contains the following recipient information:

Column header	Description
Ctr	Center code
ET Nr	ET registration number
Name	Last name
Dob	Date of birth
Sex	Sex
Wgt	Weight
Hgt	Height
Organ req.	Organ requirement and organ combinations
Intest	Recipient is on waiting list for intestine with status T or NT Yes/No
ABO	Blood group
Urg	Urgency code
ACO	Approved Combined Organ status Yes/No
Age	Age
Date on WL	Date put on waiting list
Prev. Txp	Number of previous transplants
Lab MELD	MELD based on Lab values
Exc. MELD	Exceptional MELD score
Ped. MELD	Pediatric MELD score
Rec. Date	Recertification date for the Lab MELD score
Recon. Date	Reconfirmation date for Exceptional MELD score

The end of the report shows the total number of recipients on the waiting list of the specified center.
The footer shows the highest number of points for Urgency + Waiting time in this cluster per blood group.

9.1.11 Report LI_WL_167N Liver Waiting List _ National

This report contains all recipients registered on the liver waiting list in your country, a national liver waiting list, using the same layout as for LI_WL_167C. Data for non-local recipients are anonymous.

The report can serve as an indicator as to

- ✓ where an individual recipient is at that moment.
- ✓ whether a recipient is in a group of recipients with the same MELD score.
- ✓ how many recipients have a higher or lower MELD score at that moment.

Parameters for this report are:

Name Parameter	Description
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.

Name Parameter	Description
Sort on	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ABO 2. ET registration number

* Both parameters can be combined to show only HU pediatric recipients.

The header contains the country and an indication whether the options 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short report.

In the first line

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient
Sex*	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
Organ req.	Organ requirement and organ combinations
Intest	Recipient is on waiting list for intestine with status T or NT Yes/No
ABO	Blood group
Urg	Urgency code
ACO	Approved Combined Organ status Yes/No
Age	Age
Date on WL	Date put on waiting list
Prev. Txp	Number of previous transplants
Lab MELD	MELD based on Lab values
Exc. MELD	Exceptional MELD score
Ped. MELD	Pediatric MELD score
Rec. Date	Recertification date for the Lab MELD score
Recon. Date	Reconfirmation date for Exceptional MELD score

* Display only for recipients of your own center
The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.12 Report P_WL_168C_R Pancreas Waiting List - Center

This report contains all recipients registered on the pancreas waiting list in your center.
Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.

Name Parameter	Description
Cluster list	Yes/No. “Y”: All recipients of the participating centers will be reported. “N”: Only recipients of the own center will be reported.
Sort on	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ABO 2. ET registration number

*The second and third parameters can be combined to show only HU pediatric recipients.
The header contains the center code and an indication whether the options ‘Children only’, ‘HU only’ and ‘Cluster list’ are selected.

The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Center	Registration center code
Name	Last name
Sex	Sex
Dob	Date of birth
PA/IS	Type of transplant: pancreas or islets
Organ(s)	Organ requirement and organ combinations
Urg	Urgency code
Cum. Txp	Cumulative transplants
ABO	Blood group
Wgt	Weight
Hgt	Height
Match Comment	Match Comment
Scrn Date	Date of last antibody screening
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Curr. Unacc. Antigens	Current unacceptable antigens
Full Phenotype	Current full Match Phenotype
Wait Days	Days on the waiting list
Waiting Since	Date put on waiting list

The end of the report shows the total number of recipients on the waiting list of the specified center.

9.1.13 Report P_WL_168N Pancreas Waiting List - National

This report contains all recipients registered on the pancreas waiting list in your country, a national pancreas waiting list, using the same layout as for P_WL_168C. Data for non-local recipients are anonymous.
Parameters for this report are:

Name Parameter	Description
Children only*	Yes/No. If “Y”, only recipients younger than 16 years will be reported.If “N”, all recipients will be reported
SU recipients only*	Yes/No. If “Y”, only high urgency recipients will be reported. If “N”, all recipients will be reported.
Include NT recipients	Yes/ No. If “Y”, transplantable and not transplantable recipients will be reported. If “N”, only transplantable recipients will be reported

Name Parameter	Description
NAT or German REG	Choice between a National and Regional (only Germany) report.
Transplant type PA/IS	Choice between pancreas and islets.

* The first and second parameters can be combined to show only SU pediatric recipients.
The header contains the country and an indication whether the options 'Children only' and 'SU only' or 'Pancreas/Islets' are selected.

In the first line

Column header	Description
ET Nr	ET registration number of recipient
Ctr	Center code
Name*	Last name of recipient
Sex*	Sex of recipient
Dob*	Date of birth of recipient
PA/IS	Type of transplant: pancreas or islets
Organ(s)	Organ requirement and organ combinations
Urg	Urgency code
ACO	Approved Combined Organ status Yes/No
ABO	Blood group
Cum. Txp	Cumulative transplants
Wgt	Weight of recipient
Hgt	Height of recipient
Match comment	Match Comment
Scrn date	Date of last antibody screening
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Curr. Unacc. Antigens	Current unacceptable antigens
Full Phenotype	Current full Match Phenotype
Wait Days	Days on the waiting list
Waiting since	Date put on waiting list

* Display only for recipients of your own center
The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.14 Report INT_WL_170C Intestine Waiting list Center

This report contains all recipients registered on the intetsine waiting list in your center, Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
T recipients only	Yes/No. If "Y", only transplantable recipients will be reported. If "N", all recipients will be reported.
Sort on	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ABO 2. ET registration number

The header contains the center code and an indication whether the option ‘T recipients only ’ is selected.

The body contains the following recipient information:

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name	Last name of recipient
Sex	Sex of recipient
Dob	Date of birth of recipient
Organ	Organ requirement and organ combinations
Urg	Urgency code
ACO	Approved Combined Organ status Yes/No
ABO	Blood group of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
Match comment	Match Comment
Scrn. Date	Date of last antibody screening
R%	Current antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Curr. Unacc. Antigens	Current unacceptable antigens
Wait Days	Days on status T and on status NT
Waiting since	Date put on waiting list

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.15 Report K_IM_230 Recipients on Kidney WL with Invalid/Incomplete Data

This special report generates an overview of all active or passive recipients on the kidney waiting list with invalid or incomplete data at the time of the report. These recipients are not participating in the kidney match.
There are no parameters for this report.
This report contains four individual reports with a page break per report;

1. Active recipients in the waiting room.
2. Active or passive recipients with incomplete ABO/HLA data.
3. Active or passive recipients with outdated screening.
4. Active or passive recipients without date of first dialysis or technique.

The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Center	Registration center code
Dob	Date of birth
Urg	Urgency code
Living	Family transplantation Yes/ No
Dial. Date	Date of first dialysis
Tech.	Dialysis technique
ABO	Blood group

Scrn Date	Date of last antibody screening
Reduced Match phenotype	Reduced match phenotype
Days in WR (report 1)	Total of days in the waiting room
Days invalid (report 2)	Total of days with invalid data
Days OS (report 3)	Total of days with outdated screening in urgency T
Report 4	Total of active of passive recipients without date of first dialysis or technique

9.2 Recipient reports - general

9.2.1 Recipient report

The recipient report is an overview per recipient with all the relevant recipient data. The overview can be of great use whenever there is an organ offer for this specific recipient because the donor and the recipient data can easily be compared this way.
Example of a recipient report:

04 june 2015 09:59:49

Recipient Report

Database: beta1

Contact Data

ET Nr.	433876	Address	Street 1
Last Name	MANUAL		
First Name	ENIS	Postcode/City	1234 AB Leiden
Initials	EM	Country	Netherlands
Date of Birth	01.07.1980	Telephone Nr. Home	0715489653
Sex	M	Telephone Nr. Other	
Nationality	Netherlands		
Registration Date	29.05.2015	Local Hospital Reg Nr.	
Registration Center	NLBTP	This registration is authorized by (Physician Name/Reg. Center):	
Contact Center	NLBKI	Taalman/	

Insurance Data

Insurance Type	NZ	Insurance Holder	
Insurance Nr.		Last Name	
Company Name		Insurance Nr. (Holder)	
City			

Medical Data

Abo	O	Height (cm)	175
Rhesus	Pos	Weight (kg)	70
Current PRA Date	02.06.2015	PRA%	2%

	A	B	DR	Cw	DQ	Publics
Current Unacceptable Antigens						
Current Acceptable Antigens						
Full Match Phenotype	A10 A26 A19	B12 B44 B22 B55	DR3 DR18 DR5 DR12	Cw3 Cw10 Cw8	DQ1	
Reduced Match Phenotype	A10 A19	B12 B22	DR3 DR12			

Organ Data

Organ	Urgency	Waiting List Comment	Event Date	On WL for Living	Updated
Heart					
Lung					
Liver	T - Transplantable	Waiting list comment liver by TP center		N	03.06.2015
Pancreas					
Kidney	T - Transplantable (allo-PRA% 0 - 5)	Waiting list comment kidney by TP center		N	04.06.2015
Intestine					

Allocation Comment Comment used in allocation process

Go to Recipient - – Recipient report to open the recipient report

If you receive an offer, you can open the overview via the Donor data site. In the Recipients tab, you'll find three reports of your recipient, including this overview.

The report contains the following information:

Contact Data (as entered in the screen ENIS- Recipient registration – Contact)

Column heading	Description
ET Nr	ET registration number
Last Name	Last name of recipient
First Name	First name of recipient
Initials	Initilas of recipient
Date of Birth	Date of birth of recipient

Sex	Sex (Male/ female)
Nationality	Nationality of recipient
Address	Address of recipient
Postcode/ city	Postal code and city where recipient lives
Country	Country of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Registration date	Registration date
Registration Center	Registration Center code
Contact Center	Registration Center code with an organ abbreviation
Local hospital number	Local hospital number of recipient
Registration authorized by	Name of physician who authorized the registration of the recipient on the waiting list

Insurance data (as entered in the screen ENIS- Recipient registration – Insurance)

Column heading	**Description**
Insurance Type	Type of insurance
Insurance Nr	Insurance number of recipient
Company Name	Code/ name of insurance company
City	City of insurance company
Last Name	Last name of insurance holder name
Insurance nr	Insurance number of insurance holder

Medical Data

Column heading	**Description**
Abo	AB0 blood group of recipient
Rhesus	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Current PRA Date	Date of last (current) screening
PRA %	Current % PRA screening
Current Unacceptable Antigens	Current Unacceptable Antigens
Current Acceptable Antigens	Current Acceptable Antigens
Full_Match Phenotype	Current full match phenotyping
Reduced Match Phenotype	Current reduced match phenotyping

Organ Data

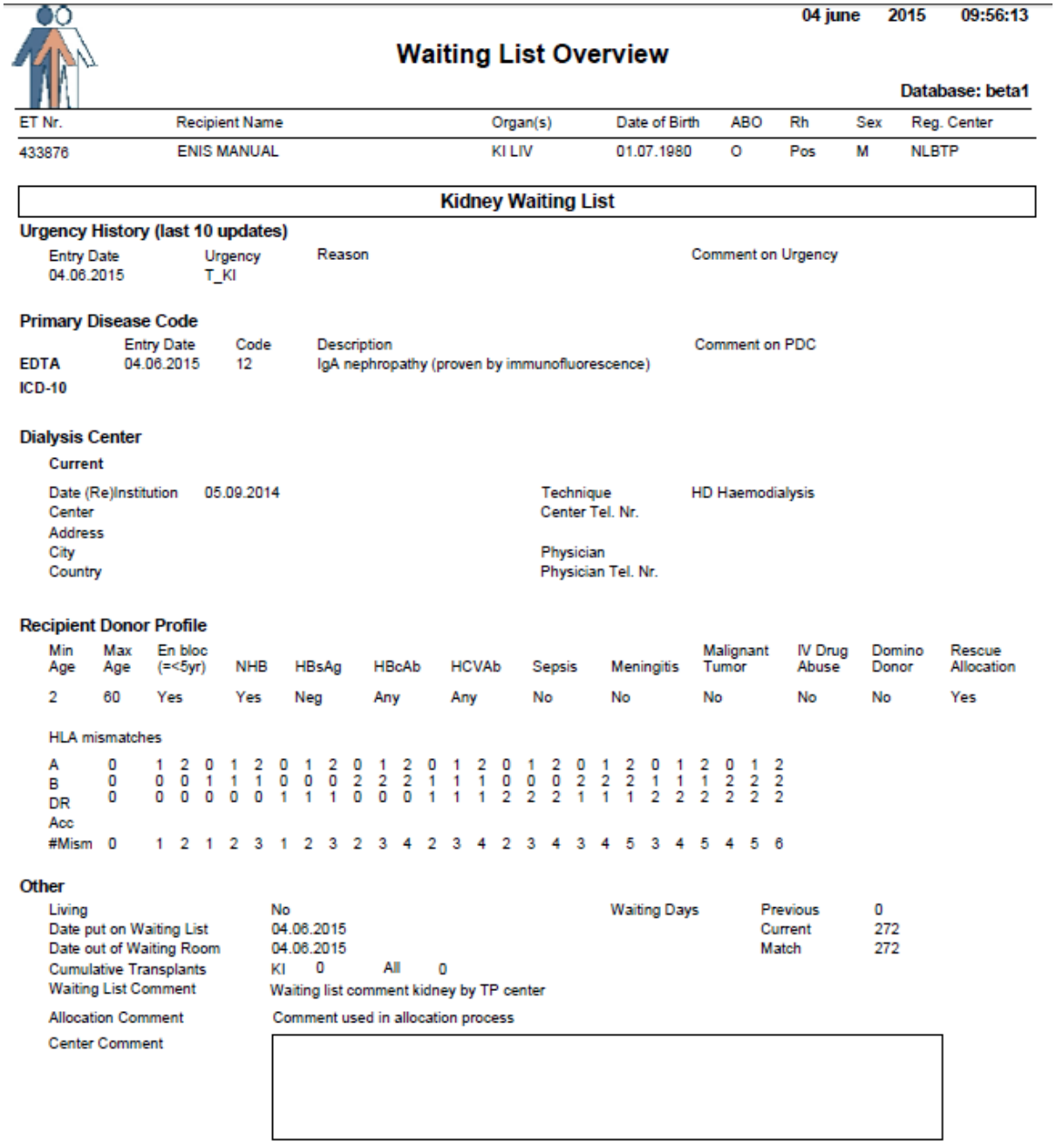
Column heading	**Description**
Organ/ Urgency	Current urgency code per organ
Waiting List Comment	Waiting List Comment per organ
Event Date	Date of transplantation or date deceased
On WL for Living	Is recipient registred on the waiting list for a living transplantation
Updated	Date of last update waiting list urgency
Allocation comment	Allocation comment (used by ET in allocation process).

The report van be printed or saved as PDF file. (For description, see chapter 8 Reports)

9.2.2 Waiting list Overview

The waiting list overview is an overview per recipient with all the relevant waiting list data.

The overview can be of great use whenever there is an organ offer for this specific recipient because the donor and the recipient data can easily be compared this way.
Example of a Kidney waiting list overview:



04 june 2015 09:56:13

Waiting List Overview

Database: beta1

ET Nr.	Recipient Name	Organ(s)	Date of Birth	ABO	Rh	Sex	Reg. Center
433876	ENIS MANUAL	KI LIV	01.07.1980	O	Pos	M	NLBTP

Kidney Waiting List

Urgency History (last 10 updates)

Entry Date	Urgency	Reason	Comment on Urgency
04.06.2015	T_KI		

Primary Disease Code

	Entry Date	Code	Description	Comment on PDC
EDTA	04.06.2015	12	IgA nephropathy (proven by immunofluorescence)	
ICD-10				

Dialysis Center

Current

Date (Re)Institution	05.09.2014	Technique	HD Haemodialysis
Center		Center Tel. Nr.	
Address			
City		Physician	
Country		Physician Tel. Nr.	

Recipient Donor Profile

Min Age	Max Age	En bloc (=<5yr)	NHB	HBsAg	HBcAb	HCVAb	Sepsis	Meningitis	Malignant Tumor	IV Drug Abuse	Domino Donor	Rescue Allocation
2	60	Yes	Yes	Neg	Any	Any	No	No	No	No	No	Yes

HLA mismatches

A	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2
B	0	0	0	1	1	1	0	0	0	2	2	2	1	1	1	0	0	0	2	2	2	1	1	1	2	2	2
DR	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	2	2	2	1	1	1	2	2	2	2	2	2
Acc																											
#Mism	0	1	2	1	2	3	1	2	3	2	3	4	2	3	4	2	3	4	3	4	5	3	4	5	4	5	6

Other

Living	No	Waiting Days	Previous	0	
Date put on Waiting List	04.06.2015		Current	272	
Date out of Waiting Room	04.06.2015		Match	272	
Cumulative Transplants	KI 0	All 0			
Waiting List Comment	Waiting list comment kidney by TP center				
Allocation Comment	Comment used in allocation process				
Center Comment					

Go to Recipient - Organ - Waiting List overview to open the overview.
If you receive an offer, you can open the overview via the Donor data site. In the Recipients tab, you'll find three reports of your recipient, including this overview.
The report contains the following information:

Column heading	Description
ET Nr	ET registration number
Recipient Name	Name (first and last name)
Organ(s)	Organ requirement and organ combinations
Date of Birth	Date of birth of recipient

ABO	Blood group
Rh	Rhesus factor of recipient
Sex	Sex (Male/ Female)
Reg. Center	Registration Center code

Urgency History (max. 10 last updates)

Column heading	**Description**
Entry Date	Date of update waiting list urgency
Urgency	Urgency code per organ
Reason	Reason urgency update
Comment on Urgency	Enteren comment on urgency update

Below the urgency history the Primary disease codes of indication for transplant is shons. The information in this part of the report depends on for which organ the recipient is transplanted. For kidney recipients for example, the primary disease code and information concerning the dialysis is shown. For liver recipients, the indication for transplantation, other liver diseases and the MELD score and criteria are shown.

Recipient donor profile

The donor profile contains general items and organ specific items. The general items are:

Column heading	**Description**
Donor Min age	Minimum acceptable donor age - Recipient profile
Donor Max age	Maximum acceptable donor age - Recipient profile
Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile
Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
Donor Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
Donor Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
Donor Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
Donor Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
Donor Domino donor	Domino donor accepted Yes/ No – Recipient profile
Donor NHB Donor	Non-heartbeating donors accepted Yes/ No - Recipient profile
Donor Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
Donor Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile

The description of the organ specific item can be found in the Recipient registration chapter 3.

Other

Column heading	**Description**
Living	Is recipient registred on the waiting list for a living transplantation Yes/No
Intestine	Is recipient registered for a intestine transplantation (old registration form, replaced by standard registration in ENIS)
ACO	Does the recipient have the Approved Combined Organ status Yes/No
Cumulative TXPp's	Number of transplants per organ and total transplants registered in ENISfor this recipient

Date put on Waiting List	Date put on waiting list
Waiting days	Waiting Time in days per status (if applicable)
Waiting List Comment	Waiting List Comment per organ
Allocationcomment	Allocation comment (used by ET in allocation process).

The report can be printed or saved as PDF file. (For description, see chapter 8 Reports)

9.2.3 Report R_226 New and Re-registrations on the Waiting List

This report generates an overview of all new registered recipients during the given time of period in your center.
Parameters for this report are:

Name Parameter	Description
Organs	ALL/HE/IN/KI/KI_ONLY/LIV/LU or PA
From date	Start date of report (dd.mm.yyyy)
To date	End date of report (dd.mm.yyyy)
Non-residents only	Yes/ No. “Y”: only non-resident recipient will be selected. “N”: all recipients will be selected.
Living only	Yes/No. If “Y”, only recipients registered for family txp will be reported. If “N”, all recipients will be reported

The report has a page break per organ.

The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Sex	Sex (Male/ female)
Dob	Date of birth
Postcode	Postal code of recipient
Country	Country of recipient
Center	Center code
ABO	Blood group
Reg. date	Registration date
Dowl	Date on the waiting list
Organ(s)	Organ requirement and organ combinations
Prev Txp	Number of transplantations
Res	Resident Yes/ No
Fam	Family transplant Yes/ No
PDC	Primary disease code ET or Primary disease code ICD-10
Reduced match phenotype	Reduced match phenotype

9.2.4 R_H_151 Dialysis Data History

This report generates an overview of registrations concerning the dialysis data for a single recipient or all recipients in your center during the given time of period. Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on ‘TP’

ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
From Date	Start date of report (dd.mm.yyyy)
To Date	End date of report (dd.mm.yyyy)
Page break on ET Nr	Yes/ No. If “Y”, recipients are grouped by ET Nr. If “N”, all recipients will be reported by sorting order
View changes by	LOV A/C/R A: All users, C: Central – Eurotransplant, R: Remote ed

The header contains the period selected and the center code.
The body contains the following recipient information:

Column heading	**Description**
ET Nr	ET registration number
Name	Last name
Item	Type of information entered
Old value	Information entered prior to update
New value	New entered information
Entry date	Date of entry new information
Changed by	Username of person who entered the information

9.2.5 R_H_152 Urgency History

This report generates an overview of registrations concerning the urgency for a single recipient or all recipients in your center during the given time of period. Parameters for this report are:

Name Parameter	**Description**
Center	Code of the center for which the report must be printed. The code must always end on ‘TP’
ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Organ	KI/HE/LI/LU/PA or ALL
From Date	Start date of report (dd.mm.yyyy)
To Date	End date of report (dd.mm.yyyy)
Page break on ET Nr	Yes/ No. If “Y”, recipients are grouped by ET Nr. If “N”, all recipients will be reported by sorting order
View changes by	LOV A/C/R A: All users, C: Central – Eurotransplant, R: Remote ed

The header contains the period selected, the selected organ and the center code.
The body contains the following recipient information:

Column heading	**Description**
ET Nr	ET registration number
Name	Last name
Item	Type of information entered
Old value	Information entered prior to update
New value	New entered information
Entry date	Date of entry new information
Changed by	Username of person who entered the information

9.2.6 R_H_153 Primary Disease Code History

This report generates an overview of registrations concerning the primary disease code for a single recipient or all recipients in your center during the given time of period. Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Organ	KI/HE/LI/LU/PA or ALL
From Date	Start date of report (dd.mm.yyyy)
To Date	End date of report (dd.mm.yyyy)
Page break on ET Nr	Yes/ No. If "Y", recipients are grouped by ET Nr. If "N", all recipients will be reported by sorting order
View changes by	LOV A/C/R A: All users, C: Central – Eurotransplant, R: Remote ed

The header contains the period selected, the selected organ and the center code.
The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Item	Type of information entered
Old value	Information entered prior to update
New value	New entered information
Entry date	Date of entry new information
Changed by	Username of person who entered the information

9.3 Recipient profiles reports

9.3.1 Report K_P_231 Kidney Recipient - Donor Profiles

The recipient specific kidney profile report prints all recipients that have a recipient specific profile (so not identical to the center specific profile) and/or unacceptable antigens. The default center specific kidney donor profile is also shown on the report.

Parameters for this report are:

Name Parameter	Description
Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'. To simply list all centers under your authorization, enter 'ALL'. The recipients are grouped by center.
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET registration number 2. Name
Only recipients on waiting list	Yes/ No. If "Y", only recipients with urgency HU, HI, I, T and NT will be listed.If "N", also recipients with urgency R, D and FU will be included
Children only*	Yes/No. If "Y", only recipients younger than 15 years will be reported. If "N", all recipients will be reported

The header contains the center code and an indication whether the options "Only recipients on kidney waiting list" or "Children only" are selected.

The body contains the following information.

Column heading	Description
ET Nr	ET registration number
Name	Last name
Dob	Date of birth

Center and recipient profile:

Name item	Description
Min age	Minimum age of donor
Max age	Maximum age of donor
En bloc	En bloc kidneys accepted (=< 5 years) Yes/ No
Non H.B	Non heart beating donor accepted Yes/ No
HBs Ag	HBs Ag accepted Any/Neg
HBc Ab	HBc Ab accepted Any/Neg
HCV Ab	HCV Ab accepted Any/Neg
ESP	ESP kidneys accepted Yes/ No
Sepsis	Sepsis accepted Yes/No
Mng	Meningitis accepted Yes/No
Malig tumor	Malignant tumor accepted Yes/No
Drug abuse	Drug abuse accepted Yes/No
Domino donor	Domino donor accepted Yes/No
Rescue allocation	Rescue allocation accepted Yes/No
Euthanasia Donor	Euthanasia Donor accepted Yes/ No
Accepted broad HLA mismatch	Number of accepted HLA A, B, DR mismatches

9.3.2 Report P_P_238 Pancreas Recipient - Donor Profiles

The recipient specific pancreas profile report provides a list of all recipients, who are present on the pancreas transplant waiting list, and who have a recipient-specific pancreas donor profile which deviates from the default center-specific pancreas donor profile. The default center-specific pancreas donor profile is also shown on the report.

Parameters for the report are:

Name Parameter	Description
Center(s)	Code of the center for which the report must be printed. The code must always end on ‘TP’To simply list all centers under your authorization, enter ‘ALL’. The recipients are grouped by center.
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET registration number 2. Name
Only recipients on waiting list	Yes/ No. If “Y”, only recipients with urgency SU, T and NT will be listed. If “N”, also recipients with urgency R, D and FU will be included

The header contains the center code and an indication whether the options ‘Recipients on pancreas waiting list’ or ‘All recipients’ are selected.

The body contains the following information.

Column heading	Description
Etnr	ET registration number
Name	Last name

PA/IS	Type of transplant: Pancreas (PA) or Islets (IS)
Dob	Date of birth
Abo	Blood group
Urg	Urgency code

Center and recipient profile:

Name item	Description
Min age	Minimum age of donor
Max age	Maximum age of donor
HBs Ag	HBs Ag accepted Any/Neg
HBc Ab	HBc Ab accepted Any/Neg
HCV Ab	HCV Ab accepted Any/Neg
Sepsis	Sepsis accepted Yes/No
Meningitis	Meningitis accepted Yes/No
Malignant tumor	Malignant tumor accepted Yes/No
Drug abuse	Drug abuse accepted Yes/No
Domino donor	Domino donor accepted Yes/No
Rescue allocation	Rescue allocation accepted Yes/No
NHB Donor	NHB Donor accepted Yes/No
Euth. Donor	Euthanasia Donor accepted Yes/ No

9.3.3 Report LI_P_255 Liver recipient - Donor profiles

The recipient specific liver profile report provides a list of all recipients, who are present on the liver transplant waiting list. The default center-specific liver donor profile is also shown on the report.

Parameters for the report are:

Name Parameter	Description
Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'.To simply list all centers under your authorization, enter 'ALL'. The recipients are grouped by center.
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET registration number 2. Name

The header contains the center code and the center name.
The body contains the following information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Dob	Date of birth

Recipient profile:

Name item	Description
Min Wgt	Minimum donor weight
Max Wgt	Maximum donor weight
LLS	Liver split, Left Lateral Segment Yes/ No
ERL	Liver split, Extended Right Lobe Yes/ No
LL	Liver split, Left Lobe Yes/ No
RL	Liver split, Right Lobe Yes/ No

Center and Recipient profile:

Name item	Description
Min age	Minimum age of donor
Max age	Maximum age of donor
HBs Ag	HBs Ag accepted Any/Neg
HBc Ab	HBc Ab accepted Any/Neg
HCV Ab	HCV Ab accepted Any/Neg
NHB.	Non heart beating donor accepted Yes/No
Domino donor	Domino donor accepted Yes/No
Expl liver	Explanted liver accepted Yes/ No
Sepsis	Sepsis accepted Yes/No
Mng	Meningitis accepted Yes/No
Malig tumor	Malignant tumor accepted Yes/No
Drug abuse	Drug abuse accepted Yes/No
Rescue Alloc.	Rescue allocation accepted Yes/No
Marg donor	Marginal donors accepted Yes/No
Euth. Donor	Euthanasia Donor accepted Yes/ No
Excl. No Cap	Exclude recipient from no transplant capacity Yes/ No

9.4 Immunological reports

9.4.1 Recipient Immunological Overview

This report shows a complete overview of the relevant immunological data of the selected recipient and makes it possible to check the presence of the most important immunological data.

The overview can be used to verify if the initial registration of a recipient on the waiting list was sufficient. Also it can be of great use whenever there is an organ offer for this specific recipient because the donor and the recipient immunological data can easily be compared this way.

Go to Recipient - Immunological Results - Immunological Overview to open the overview.
If you receive an offer, you can open the Immunological overview via the Donor data site. In the Recipients tab, you'll find three reports of your recipient, including this overview.
Example of theoverview:

Recipient Immunological Overview

20.09.2016 13:38:10
Database: beta1

ET Nr	Recipient Name	Date Of Birth	ABO	Rh	Sex	Urgency KI	PA	LIV	HE	LU	INT	Reg. Center
447883	ENIS	26.05.1987	AB	Pos	M	T	T					BLMTP

HLA	A	B	DR	Cw	DQ	Publics
Full Match Phenotype	A2 A10 A26	B12 B44 B22 B55	DR2 DR15 DR5 DR12		DQ1	
Reduced Match Phenotype	A2 A10	B12 B22	DR15 DR12			
Current Unacceptable Antigens	A66	B71				

Antibody Screening

PRA Current	20.09.2016	2%	Auto: DNT	DTT Crossmatch:
PRA Highest	20.09.2016	2%		
vPRA		1%		
Donor Frequency ETKAS		4.891%		
Donor Frequency Heart		98.836%		
Current Antibody Specifities	A66	B71		
Cumulative Antibody Specifities	A66	B71		

Previous Transplants : 0
Participating in AM Protocol:

Dialysis Center: -

Waiting List Comments
Heart:
Lung:
Liver:
Pancreas:
Kidney:
Intestine:
Allocation Comment:

The report contains the following information:

Column heading	Description
ET Nr	ET registration number
Recipient Name	Name (first and last name)
Date of Birth	Date of birth of recipient
ABO	Blood group
Rh	Rhesus factor of recipient
Sex	Sex (Male/ Female)
Urgency	Urgency code per organ
Reg. Center	Registration Center code

HLA

Column heading	Description
Full_Match Phenotype	Current full match phenotyping
Reduced Match Phenotype	Current reduced match phenotyping

Antibody Screening

Column heading	Description
PRA Current	Current PRA %
PRA Highest	Highest PRA %
vPRA	Virtual PRA % (calculated PRA %)
Donor Frequency ETKAS	Calculated Donor Frequency % for the ETKAS match
Donor Frequency Heart	Calculated Donor Frequency % for the Heart match
Auto	
DTT crossmatch	

Previous Transplants

Column heading	Description
Previous transplants	Number of transplantations
Transplant	ET transplantation number and date
Organ	Organ dat was transplanted
Donor	ET Donor number
ABO	Blood group of donor
Rh	Rhesus of the donor
Entry date	Entry date and time of full match phenothype
Match	Full match phenotyping
Participating in AM protocol	Was recipient a participant in the AM protocol at time of transplantation Yes/No
Dialysis Center	Dialysis center of recipient
Waiting List Comment	Waiting List Comment per organ
Allocationcomment	Allocation comment (used by ET in allocation process).

If a recipient received more than 1 transplant, these items are shown per transdplant
The report van be printed or saved as PDF file. (For description, see chapter 8 Reports)

9.4.2 Report REP_032_F Antibody Screening per Center - Overview

This report offers an overview of the antibody screening for your entire center. It can only be printed when a selection has been made via the antibodies per center screen. Go to Recipient – Immunological results – Antibody screening – Register per Center. Make the selection. (See Section 4 for instructions on antibodies registration per center).

In the screen “Status” the parameters for the overview must be selected. When this is done, click on the button “Print Overview” to run the report. The report will appear as a pop-up, ready to be printed.

Parameters for this report are:

Name Parameter	Description
Sorting order	Enter a number from 1 to 6. The following sorting orders will be applied: 1. ET registration number 2. Name 3. Abo/Etnr 4. Dial/Etnr 5. Dial/Name 6. Urg/Etnr
User	Center code

Selected records Y/N	Yes/ No. “Y”: only selected records in antibodies per center will be printed. “N”:all records will be printed

Below the report header are shown: the center code, the name of the user that processed the data and the organ being processed.

The body contains the recipients on the waiting list, selected for antibody input. For each recipient, the following information is shown:

Column heading	Description
Etnr	ET registration number
DC	Dialysis center (first 2 characters)
Name	Last name
ABO	Blood group
Sample date	Blood sample date
Center	Center code where the screening was performed
Entry date	Entry date
%%	Antibody percentage
Specificities	Antibody specificities

At the end of the report there is room for a date stamp and approval.

9.4.3 Report K_AM_129 AM Program - Waiting List

This special report generates an overview of the recipients, who take part in the Acceptable Mismatch (AM) program, at the time of the report. The content covers in particular immunological information and relevant administrative data.

Parameters for this report are:

Name Parameter	Description
Acc/unacc/all	Option between only acceptable antigens (AM), only unacceptable antigens (UN) or both (Empty). Please use always (Empty).
TP Center(s)	Code of the center for which the report must be printed. The code must always end on ‘TP’. “All” shows all centers you have authorizations to see.
Sorting order	Enter a number from 1 to 3. The following sorting orders will be applied: 1. ET registration number 2. Last name 3. Center
Report by	Option between Center, blood group or none.

The header contains an indication whether the options ‘unacceptable antigens’, ‘acceptable antigens’ or ‘both’ are selected and whether the report options blood group, center or full list are selected.
The body contains the recipient information in a horizontal and in a vertical line.

The horizontal line contains:

Column heading	Description
ET Nr	ET registration number
Recipient Name	Name
Date of birth	Date of birth
ABO	Blood group
Rh	Rhesus
Sex	Male or female
Urg	Urgency
Waiting since	Start of waiting time

Reg. Center	Registration center code

The vertical line contains:

Column heading	Description
Full match Phenotype	Current full match phenotype
Reduced match phenotype	Reduced match phenotype
Current Acceptable Antigens	Current acceptable antigens
Current Unacceptable Antigens	Current unacceptable antigens
PRA Current	Current antibody percentage
PRA Highest	Highest antibody percentage
Current Antibody Specifities	Current antibody specificities
Cumulative Antibody Specifities	Cumulative antibody specificities

In case of (a) previous transplantation(s) the next line contains:

Column heading	Description
Transplant	Amount of transplants, Transplant number, transplant date and donor number
Full match phenotype	Type of HLA and Full match phenotype
Dialysis Ctr	Dialysis center
Allocation Comment	Allocation comment (used by ET in allocation process).

The end of the report shows the total number of recipients on the waiting list of the specified center.

9.4.4 Report K_IM_102_R Antibody Screening per Center - Work List

This report can be used to write down the results of the antibody screening.
Parameters for this report are:

Name Parameter	Description
TP center	Code of the center for which the report must be printed. The code must always end on 'TP'.
Sort By	Enter a number from 1 to 6. The following sorting orders will be applied: 1. ET Nr 2. Name 3. Dial/ET Nr 4. Dial/Name 5. Urg/ET Nr 6. ABO/Name

The header shows the center code and how the report is sorted.
The body contains the following recipient and screening information:

Column heading	Description
ET Nr	ET registration number
Recipient Name	Last name
Date of birth	Date of birth
ABO	Blood group
Cnct ctr/Dial ctr	Recipient center/ dialysis center
DTT Crossmatch	Has the serum have to be tested with DTT
Urg	Urgency of recipient
Sample Date	Date of the test sample

%PRA	Antibody percentage
Specificities	Antibody specificities

9.4.5 Report R_IM_130 Transplantable Recipients with Outdated Screening

This special report generates an overview of recipients with an outdated screening.
Parameters for this report are:

Name Parameter	Description
TP center	Code of the center for which the report must be printed. The code must always end on 'TP'
Organ	LOV: KI, HE, LU, LIV, PA
Date screening becomes	The date the screening becomes outdated, default filled with current date
Page break on dialysis center	Yes/ No. If "Y", recipients are grouped by dialysis center. If "N", all recipients will be reported by sorting order

The header shows the organ selected, the outdated date and the center code.
The body contains the following recipient and screening information:

Column heading	Description
Seq Nr	Ranking order
Center	Registration center code
ET Nr	ET registration number
Name	Last name
Date of birth	Date of birth
Urg	Urgency status of recipient
Last Scrndt	Date on which the last screening was tested
Dialysis center	Dialysis center of recipient

9.4.6 Report K_IM_241 Immunological Monitoring Report

This special report generates an overview of the rank positions of one or all recipients including the allocation results.

Parameters for this report are:

Name Parameter	Description
From date	Start date of report
Until date	End date of report
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
Recipient ET nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name
Maximum rank position to report	Highest ranking number selected in the report
Recipient(s) must currently be on the wl	Yes/No. If "Y", only recipients currently on the waiting list will be reported. If"N", all recipients will be reported

Outcome donor crossmatch	LOV: ALL/POS/NEG (all results/only negative/only positive results)
Outcome of regional crossmatch	LOV: ALL/POS/NEG (all results/only negative/only positive results)

The header contains the center code and the period for which the report is selected.
The body contains the recipient information and the match results with one or several donors.

The recipient information contains:

Column heading	**Description**
ET Nr	ET registration number
Name	Last name
Sex	Male or female
DOB	Date of birth
Full Phenotype	Current full match phenotype
Unacc Antigens per	Date of entry and unacc. Antigens

The match results contain:

Column heading	**Description**
Match date	Date of match results
Donor	ET registration number of donor
Dctr	Donor center
ABO	Blood group of donor
M. Type	Type of match recipient appeared on
Rank	Rank position on match list
PRA%	Current antibody percentage
Auto	Auto antibody testing
DTT	DTT cross match needed (Yes/ No)
Serum date	Date of cross match serum in donor center
Res	Result of donor cross match
Lab	Tissue Typing Center which performed cross match
Res	Result of regional cross match
Lab	Tissue Typing Center which performed cross match
Mism	Result of HLA mismatches
Full match phenotype	Current full match phenotype
Decision	Decision after organ offer. If not accepted, reason why the organ was not accepted is shown

9.4.7 Report R_WL_137 Waiting List - Immunological

This special report generates an overview of all relevant immunological data, including the donor HLA-typing of previous transplants, for all recipients (or only one) who are on a waiting list at the time of the report.

Parameters for this report are:

Name Parameter	**Description**
TP Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'. Default filled with 'All', this contains all center codes the user is authorized to see.
Single ET nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Acc./Unacc./All	LOV:Acceptable Antigens (Acc), Unacceptable Antigens (Unacc), Both (All).

Report by	Choose in LOV: None, TP Center or ABO.
Sorting order	Enter a number from 1 to 3. The following sorting orders will be applied: 1. ET Nr 2. Last Name 3. Dialysis Center.

The header shows the center code and the selected parameters.
The body contains the recipient information in a horizontal and in a vertical line.
The horizontal line contains:

Column heading	Description
ET Nr	ET registration number.
Recipient Name	Last name of recipient
Date Of Birth	Date of birth
ABO	Blood group of recipient
Rh	Rhesus factor of recipient
Sex	Male or female
Urg	Urgency status of recipient per organ at time of the report.
Reg. Center	Registration center code

The vertical line contains 3 parts:

HLA

Column heading	Description
Full Match Phenotype	Current full match phenotype
Reduced Match Phenotype	Reduced match phenotype
Current Acceptable Antigens	Current acceptable antigens
Current Unacceptable Antigens	Current unacceptable antigens

Antibody Screening

Column heading	Description
PRA Current	Current antibody screening (in percentage) with sample date
PRA Highest	Highest antibody screening (in percentage) with sample date
Current Antibody Specificities	Current antibody specificities
Cumulative Antibody Specificities	Cumulative antibody specificities

Previous TXP

Column heading	Description
Previous KI TXP	Amount of previous kidney transplants
Dialysis Center	Dialysis center of recipient
Allocation Comment	Allocation comment (used by ET in allocation process).

In case of a previous transplantation the next line contains:

Column heading	Description
Transplant	Transplant number
Date	Date of transplantation
Organ	Left or right or both kidneys
Donor	Donor number
Full match phenotype	Type of HLA and Full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified

center.

9.4.8 R_H_150 Screening History

This report generates an overview of registrations concerning the screening for a single recipient or all recipients in your center during the given time of period. Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
From Date	Start date of report (dd.mm.yyyy)
To Date	End date of report (dd.mm.yyyy)
Page break on ET Nr	Yes/ No. If "Y", recipients are grouped by ET Nr. If "N", all recipients will be reported by sorting order
View changes by	LOV A/C/R A: All users, C: Central – Eurotransplant, R: Remote ed

The header contains the period selected and the center code.The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Sample date	Sample date of last PRA screening
%PRA	Current antibody screening of recipient in percentage
Screen type	Screenings type
Auto	Auto antibody testing
DTT Cross match	DTT cross match needed Yes/No
Curr. Specifities	Current antibody specificities of recipient
Entry date	Date of entry new information
Changed by	Username of person who entered the information

9.4.9 K_X_046 Kidney Screening Extract

This extract generates an overview of required screenings for the kidney recipients in your center on the active waiting list. This extract replaces the Kidney screening application. Parameters for this report are:

Name Parameter	Description
Separator	Default is the separator ";"
For center	Format is xxxTP
Unicode	Yes/ No

The header contains the period selected and the center code.The body contains the following recipient information:

Column heading	Description
ET nr	ET registration number of recipient
Center	Registration center of recipient

Name	Last name of recipient
Dob	Date of birth of recipient
Scr date	Date of last screening
Date Due	Date new screening has to be entered to prevent that the recipient is excluded from the allocation
Days due	Number of days left to date new screening has to be entered to prevent that the recipient is excluded from the allocation
Dialysis Center	Dialysis center name
Urgency	Current kidney urgency code (HU, HI, I, T)
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)

The recipients are sorted on ET nr. The highest ET Nr is on top. Recipients with a screening date more then 100 days in the past are shown

Note: it is only possible to create the extract for 1 center at a time. If you have acces to the information of multiple centers, please create the extract per center want to see data from more

9.5 Donor reports

9.5.1 Report D_244 Donor Report/ D_244 PB Donor report

This report shows all your donors from your own center and the status of the organs over a specific period.
Parameters for this report are:

Name Parameter	**Description**
From date	Start date of report
Until date	End date of report
Country	Country for which the report must be printed. Default: ALL
Center	Code of the center for which the report must be printed. The code must always end on 'TP'. Default: ALL
Donor type	Donor type. LOV: All (all types), C (cadaver), L (livng). Default All
Cadaver type	Cadaver type. LOV: HB, NHB, ALL

The header shows the selected country, center, donor type and the selected period.

The body contains the following information:

Column heading	**Description**
Ctr Code	Donor registration center code
Reg Date	Registration date of donor
Donor Nr	ET registration number of donor
Abo	Blood group
Age	Age of donor
Type	Type of donor: HB/ NHB + cat for cadaveric donors. For living donors the code of the relation between donor and recipient is shown. If the donor was a Euthanasia donor, the text "(Euth.) is shown behind the catagory
Center	Donor registration center

After this all organs appear with the status of that specific organ. The status can be

confirmed transplanted, transplanted or reason not reported, not offered, not accepted or not transplanted.The end of the report shows the total number of donors in the specified center over a specific period.

9.6 Transplant reports

9.6.1 Report K_T_115(_R) Kidney Transplants with Missing Follow Up

This report shows all missing transplant follow-up information over a specific period.
Parameters for this report are:

Name Parameter	Description
Select by	LOV: TP ctr (transplant center) or FUP ctr (follow-up center).
Center	Code of the center for which the report must be printed or ALL (only with authorization). The code must always end on 'TP'.
Report date	Date of today (dd.mm.yyyy)
Start date	Start date of report
End date	End date of report

The header contains the period selected and the center code.

Column heading	Description
Etnr	ET registration number
Name	Last name
Date of birth	Date of birth
S	F(emale) or M(ale)
Txp date	Date of transplantation
Donor type	Cad(aver) or Liv(ing)
Txp type	Organ type
Txp nr	Number of transplantation
Diuresis post txp first day	in ml/hrs
Rest diuresis	in ml/hrs
Txp site	Left or Right
CIP	in Hours/Minutes
WIP2/Anast	in Minutes
Immunosuppressive therapy	Short codes, shown at bottom of report
Remarks	Remarks

9.6.2 Report T_243 Transplant Report

This report shows all transplantations of your own center over a specific period.
Parameters for this report are:

Name Parameter	Description
From date	Start date of report
To date	End date of report
Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'
Organ	All/KI/PA/HE/LU/LI
Donortype	C(adaver) or L(iving) or ALL

The header contains the selected organ and the selected period.

Column heading	Description
Rct	Recipient registration center
Date of txp	Transplantation date
Etnr	ET registration number
Recipient name	Name of the transplanted recipient
Sex	F(emale) or M(ale)
Dob	Date of birth
Type of txp	Transplanted organs
Txp Remarks	Remarks to the transplantatton
MELD	MELD score of recipient at time of transplantation
Donor	ET registration number of donor
Dct	Donor registration center
Type of donor	Heartbeating or NHBD cat/ relationship of donor and recipient*
Type	In case of Cadaveric donors: HB (Heartbeating)or Non-HB (non-heartbeating)
Relationship	In case of a living donor, relationship of donor and recipient

*Information shown onder this item depends on selected parameter:
if selected parameter is Cadaver: Heartbeating or NHBD cat*
If selected parameter is Living: relation to recipient is shown
If selected parameter is All: Heartbeating or NHBD cat or relation of donor to recipient.
The end of the report shows the total number of transplantations done in the specified center over a specific period.

9.7 Match reports

9.7.1 Report A_R_286 - Post Allocation report to Transplant Center

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the allocation list. This is a basic report, organ specific information will be added in time.

Parameter for this report is:

Name Parameter	Description
From Date	Start date of report
Until Date	End date of report
Center	Code of the center for which the report must be printed/ ALL. The code must always end on 'TP' (All: centers authorized to see)
Single recipient Et Nr.	ET registration number
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name
Maximum rank position on report	10 (default)
Include unfiltered occurrences	Yes/ No

The header of this report shows the Center code or the ET nr of the recipient and the

selected period. Sorting order and max rank is shown.
The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number of recipient
Sex	F(emale) or M(ale)
Dob	Date of birth
Organ	Organ used in matching
Urg	Urgency of recipient
Match date	Date of match
Donor nr	ET registration number of donor
Center	Donor center code
Age	Age of donor
Rank	Ranking position on match
Decision	Decision code of allocation and reason

9.7.2 Report A_R_287 Post Allocation report to Donor Center

This report shows the selected recipients per organ match for a specific donor, including the factors which determine the recipient's position on the allocation list. It shows the decisions of the centers, to provide an overview of the allocation sequence. This is a basic report, organ specific information will be added in time.

Parameter for this report is:

Name Parameter	Description
Donor number	Start date of report
Include all recipients until rank	15 (default)

The header of this report shows the donor number, donor center code and some basic information of the selected donor (age, ABO, sex, weight, height and registration date).
The body contains the following recipient information:

Column heading	Description
Rank	Ranking position on match
Organ	Organ used in matching
ET Nr	ET registration number of recipient
ABO	ABO of recipient
Ctr	Recipient center code
Age	Age of recipient
Sex	F(emale) or M(ale)
Urg	Urgency of recipient
Decision	Decision code of allocation and reason

9.7.3 Report HL_M_280 Thoracic Match - Post Allocation to Transplant Center

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the allocation list. The report is under construction and not available at the moment

9.7.4 Report K_M_224 ETKAS - Post Allocation to Transplant Center

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the allocation list.
Parameter for this report are:

Name Parameter	Description
From date	Start date of report
Untill date	End date of report
Centers to do	Code of the center for which the report must be printed/ ALL. The code must always end on 'TP' (All: centers authorized to see)
Single recipient ET nr	ET registration number
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name
Maximum rank position	10 (default)
Include unfiltered occurrences	Yes/ No

The body contains the following recipient and donor information:

Column heading	Description
Etnr	ET registration number of recipient
Name recipient	Last name
Date birth	Date of birth
S	Sex, F(emale) or M(ale)
HU	Hu status Yes/ No
Match date	Date of match
Et nr	ET registration number of donor
Ctr	Donor center code
M-Lvl	Match level: DR SP(lit) or BR(oad) level
Organ	Organ used in matching
Crit	Mismatch results
Mism	Mismatch score
Mmp	Mismatch probability score
Wait	Waiting time score
B_Nat	National balance score
B_Reg	Regional balance score
Dist	Distance score
Pad+	Pediatric score
HU	Hu score
KaL	Kidney after Liver score
Total	Total score
Rank	Ranking position on match
Decision	Decision code of allocation and reason

At the bottom of every page is shown what the points are for HU status.

9.7.5 Report K_M_266 ESP match- Post Allocation to Transplant Center

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the allocation list.
Parameter for this report are:

Name Parameter	Description
From date	Start date of report
Untill date	End date of report
Centers to do	Code of the center for which the report must be printed/ ALL. The code must always end on 'TP' (All: centers authorized to see)
Single recipient ET nr	ET registration number
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name
Maximum rank position	10 (default)
Include unfiltered occurrences	Yes/ No

The body contains the following recipient and donor information:

Column heading	Description
Etnr	ET registration number of recipient
Name recipient	Last name
Date birth	Date of birth
S	Sex, F(emale) or M(ale)
Urg	Urgency of recipient
Match date	Date of match
Et nr	ET registration number of donor
Ctr	Donor center code
ESP subregion	
Points	Total points
Rank	Ranking position on match
Decision	Decision code of allocation and reason

9.7.6 Report P_M_292 - Post Allocation to Transplant Center EPAS

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the allocation list.
Parameter for this report are:

Name Parameter	Description
From date	Start date of report
Untill date	End date of report
Center	Code of the center for which the report must be printed. The code must always end on 'TP' (All: centers authorized to see)
Single recipient ET nr	ET registration number
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name

Maximum rank position	10 (default)
Include unfiltered occurrences	Yes/ No

The body contains the following recipient and donor information:

Column heading	Description
ET nr	ET registration number of recipient
Name	Last name
Sex	Sex, F(emale) or M(ale)
Dob	Date of birth
Organ	Pa(ncreas) / Is(lets)
Urg	Urgency at time of match
Total points	Total match points
Match date	Date of match
Matcht type	Pancreas or islets match
Donor	ET registration number of donor
Center	Donor center code
Age	Age of donor
BMI	Body Mass Index of donor
PASS	PASS score
Rank	Ranking position on match
Decision	Decision code of allocation and reason

9.7.7 Report LI_M_253: Post Allocation to Transplant Center ELAS

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the liver allocation list. Parameter for this report are:

Name Parameter	Description
From date	Start date of report
Untill date	End date of report
Centers to do	Code of the center for which the report must be printed/ ALL. The code must always end on 'TP' (All: centers authorized to see)
Single recipient ET nr	ET registration number
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name
Maximum rank position	10 (default)
Include unfiltered occurrences	Yes/ No

The body contains the following recipient and donor information:

Column heading	Description
ET nr	ET registration number of recipient
Name	Last name
Sex	Sex, F(emale) or M(ale)

Dob	Date of birth
Organ	Organ used in matching
Urg	Urgency status of the recipient
ACO	Does the recipient have the ACO status Yes/No
MELD Score	MELD score used in that match
Match type	Whole liver match or type split match
Match date	Date of match
Donor nr	ET registration number of donor
Center	Donor center code
Age	Ageof donor
Weight	Weight of the donor
Rank	Ranking position on match
Decision	Decision code of allocation and reason

9.7.8 R_M_180 Match filter report for recipient

This report offers an overview of the reasons why a specific recipient was excluded from match activities. Parameter for this report are:

Name Parameter	**Description**
Recipient ET nr	ET registration number of recipient
Match type	ALL/ Kidney (match)/ Liver (match)/ Pancreas (match)/ Thoracic (match)
From date	Start date of report
Untill date	End date of report
Maximum rank unfiltered	10 (default)

The header of this report shows the ET nr of the recipient and the selected period.
The body contains the following recipient and donor information

Column heading	**Description**
Donor	Et registration number of donor
Match date	Date of match
Center	Center of recipient
Unfilt Rank	Rank on unfiltered match list
Match	Match type

Behind the Item “Match” the profile criteria are shown. If a recipient is excluded due to a specific criterium, this is shown via a code. The codes are shown and explained at the bottom of the report.

9.8 Waiting list extracts per organ

This type of extract generates a data set, which contains information on recipients in your center on the waitinglist (active and passive status) at the time of the extract request. Per organ is an extract available, with organ-specific information.
The different extracts are:

- K_X_008 Kidney Waiting List - Extract
- LI_X_009 Liver Waiting List - Extract
- HE_X_010 Heart Waiting List - Extract
- P_X_011 Pancreas Waiting List - Extract

- LU_X_012 Lung Waiting List - Extract

All the extracts use the same input parameters in order to generate the data set.
The parameters for these extracts are:

Name item	Description
Separator	Default is the separator ";"
For center	Format is xxxTP
Unicode	Yes/ No

9.8.1 K_X_008 Kidney Waiting List - Extract

The kidney waiting list extract reports all recipients, who are on the kidney waiting list. This report also includes the recipients, awaiting a combined kidney transplant.

Column header	Explanation
Etnr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-Urg	Current liver urgency code (HU, T, NT, R, FU)
He-Urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Lu-Urg	Current lung urgency code (HU, T, NT, R, FU)
Urg comment	Comments to urgency
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Put on WL	Date put on kidney waiting list
Previous	Bonus Waiting Time in days
Current	Waiting Time in days
Match	Official Waiting Time used in the ET Kidney Allocation System in days

Column header	Explanation
Current NT	If NT urgency code: number of continuous days the recipient is on the “NT” status (in days)
Living txp	Recipient waiting for live donor txp Yes/ No
Dialysis Ctr	Dialysis center name
Address Ctr	Address dialysis center
Telephone Ctr	Telephone number dialysis center
Dialysis Physician	Name of dialysis physician
Telephone Physician	Telephone number of dialysis physician
Scr date	Date of last screening
Scr Invalid	Status of the antibody screening at time of Extract: Valid/ Invalid
R %	Current % PRA screening
Auto	Auto antibodies
DTT cross match	DTT cross match needed (Yes/ No)
H %	Highest % PRA screening
Unacceptable	Unacceptable antigens
MMP	Mismatch probability factor = number of points scored for this allocation factor
AM	Recipient in Acceptable Mismatch program Yes/ No
A,B_Full_Phenotype	HLA-A ,B, C in current full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in current full match phenotyping
KI_PDC-EDTA	Primary disease code for kidney End-stage renal disease
KI_PDC-ICD10	Primary disease code ICD10 for kidney
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Date 1st dialysis	Date of (re)institution of dialysis
Dialysis-Tech	Dialysis Technique
Date-out-wr	Date out of waiting room
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Kidney waiting list secundary diagnosis
Donor Min age	Minimum acceptable donor age - Recipient profile
Donor Max age	Maximum acceptable donor age - Recipient profile
Donor Accept en bloc	En bloc kidneys accepted Yes/ No - Recipient profile
Donor NHB Donor	Non-heartbeating donors accepted Yes/ No - Recipient profile
Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile
Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
Donor ESP	Accepted ESP donor Yes/ No – Recipient profile
Donor Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile

Column header	Explanation
Donor Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
Donor Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
Donor Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
Donor Domino donor	Domino donor accepted Yes/ No – Recipient profile
Donor Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
Donor Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
CP Min age	Minimum acceptable donor age - Center profile
CP Max age	Maximum acceptable donor age - Center profile
CP Accept en bloc	En bloc kidneys accepted Yes/ No - Center profile
CP NHB Donor	Non-heartbeating donors accepted Yes/ No - Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HBcAb	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP ESP	Accepted ESP donor Yes/ No – Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Domino donor	Domino donor accepted Yes/ No - Center profile
CP Rescue allocation	Rescue allocation accepted Yes/ No - Center profile
CP Euthanasia donor	Euthanasia donor accepted Yes/ No - Center profile
Match comment	Match Comment
Participating in	ES(D)P/ ETKAS. Indication of match type recipient is participating in (for German recipients only)
R Screening Type	Screening type for Current PRA%
H Screening Type	Screening type for Highest PRA%
vPRA calculated from Unaccep. Antigens	vPRA%, calculated from the entered Unacceptable antigens
Int-Urg	Current intestine urgency code (T, NT, R, FU)
Screening comments	Information entered in Antibody screening per recipient - “Comments”
Reason urgency	Reason belonging to current urgency
Date of urgency listing	Date of urgency listing
HLA Sample date	Sample date HLA
Broad Match phenotype	Broad Match phenotype
Full Class I phenotype without broads where splits are present	Full Class I phenotype without broads where splits are present
Full Class II phenotype without broads where splits are present	Full Class II phenotype without broads where splits are present
Unacceptable antigen Sample date	Sample date most recent entry Unacceptable antigens
HIV Ag	HIV Ag status of the recipient (Neg/ Pos/ NT)
HIV Ab	HIV Ab status of the recipient (Neg/ Pos/ NT)
HBcAb	HBcAb status of the recipient (Neg/ Pos/ NT)
CMV IgM	CMV IgM status of the recipient (Neg/ Pos/ NT)

Column header	Explanation
Toxo	Toxoplasmosis status of the recipient (Neg/ Pos/ NT)
Lues	Lues status of the recipient (Neg/ Pos/ NT)
EBV IgG	EBV IgG status of the recipient (Neg/ Pos/ NT)
BSN	Burger Service Nummer (BSN), for Dutch recipients only
Waitinglist comment	Information entered in Recipient –Organ Waitinglist comment
Allocation comment	Information entered by Eurotransplant in Allocation comment

9.8.2 LI_X_009 Liver Waiting List - Extract

The liver waiting list extract reports all recipients, who are on the liver waiting list.

Column header	Explanation
ET Nr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-Urg	Current liver urgency code (HU, T, NT, R, FU)
He-Urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Lu-Urg	Current lung urgency code (HU, T, NT, R, FU)
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient
Height	Height of recipient
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Date on WL	Date put on liver waiting list
Lab MELD	MELD based on Lab values
Exc. MELD	Exceptional MELD score
Ped. MELD	Pediatric MELD score
Intestine	Intestine required (old value for intestine, displayed as N.A)
Living txp	Recipient waiting for living donor txp Yes/ No
A,B_Full_Phenotype	HLA-A, B, C in current full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in current full match phenotyping

Column header	Explanation
Indication for Transplantation	Primary disease code for End-stage liver disease
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Match comment	Match comment
RP min donor age	Minimum acceptable donor age - Recipient profile
RP max donor age	Maximum acceptable donor age - Recipient profile
RP HBsAg	Accepted donor virology Neg/ Any - Recipient profile
RP HCVAb	Accepted donor virology Neg/ Any - Recipient profile
RP HBcAb	Accepted donor virology Neg/ Any - Recipient profile
RP min weight	Minimum acceptable donor weight - Recipient profile
RP max weight	Maximum acceptable donor weight - Recipient profile
RP Domino liver	Accepted domino liver Yes/ No - Recipient profile
RP explanted liver	Accepted explanted liver Yes/ No – Recipient profile
RP NHB Donor	Non-heartbeating donors accepted Yes/ No– Recipient profile
RP Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
RP Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
RP Malignant tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
RP Drug Abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
RP Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
RP Marginal donor	Marginal donor accepted Yes/ No - Recipient profile
RP Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
CP min donor age	Minimum acceptable donor age - Center profile
CP max donor age	Maximum acceptable donor age - Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP HBc Ab	Accepted donor virology Neg/ Any - Center profile
CP Domino liver	Accepted domino liver - Center profile
CP explanted liver	Accepted explanted liver - Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Rescue allocation	Rescue allocation accepted Yes/ No - Center profile
CP Marginal donor	Marginal donor accepted Yes/ No - Center profile
CP Euthanasia Donor	Euthanasia donor accepted Yes/ No - Center profile
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Liver waiting list secundary diagnosis

Column header	Explanation
RP Split LLS	LLS split accepted Yes/ No – Recipient profile
RP Spit ERL	ERL split accepted Yes/ No – Recipient profile
RP Split LL	LL split accepted Yes/ No – Recipient profile
RP Split RL	RL split accepted Yes/ No – Recipient profile
Int-Urg	Current intestine urgency code (T, NT, R, FU)
Screening comments	Information entered in Antibody screening per recipient - "Comments"

9.8.3 HE_X_010 Heart Waiting List - Extract

The heart waiting list extract reports all recipients, who are on the heart waiting list. This report does not include the recipients, who are also on the lung waiting list (e.g. awaiting a heart+lung transplantation). This has been done, since the lung waiting list parameters are used in the heart+lung allocation program.

Column header	Explanation
ET Nr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-Urg	Current liver urgency code (HU, T, NT, R, FU)
He-Urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Reason	Reason for urgency NT, R
Lu-Urg	Current lung urgency code (HU, T, NT, R, FU)
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Date on WL	Date put on kidney waiting list
Current T	Number of contiguous days the recipient has been as 'T' on the waiting list

Column header	Explanation
Total T	Total number of days the recipient has been on the waiting list as 'T' (active) = official waiting time used in the ET heart allocation system
Current NT	If NT urgency code number of contiguous days the recipient is on the 'NT' status
Scr date	Date of last screening
R%	Current % PRA screening
H%	Highest % PRA screening
Unacceptables	Unacceptable Antigens
A,B_Full_Phenotype	HLA-A, B, C in current full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in current full match phenotyping
–HE-pdc - ET	Primary disease code ET for heart
Description	Description of Primary Disease Code
HE-pdc- icd10	Primary disease code ICD-10 for heart
Description	Description of Primary Disease Code
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HBcAb	HBc Ag status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Match comment	Match comment
Foreign approval	Has the HU status been approved by the international audit committee Yes/ No/Empty
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Heart waiting list secundary diagnosis
RP Min Donor Age	Minimum acceptable donor age - Recipient profile
RP Max Donor Age	Maximum acceptable donor age - Recipient profile
RP Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile
RP Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
RP Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
RP Donor CMV	Accepted donor virology Neg/ Any - Recipient profile
RP Female Donor Min height	Minimum acceptable height for female donor - Recipient profile
RP Female Donor Max height	Maximum acceptable height for female donor- Recipient profile
RP Male Donor Min height	Minimum acceptable height for male donor- Recipient profile
RP Male Donor Max height	Maximum acceptable height for male donor- Recipient profile
RP Donor Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
RP Donor Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile

Column header	Explanation
RP Donor Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
RP Donor Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
RP Donor Domino donor	Domino donor accepted Yes/ No – Recipient profile
RP Donor rescue allocation	Rescue allocation accepted Yes/ No - Recipient profile
RP Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
CP Min age	Minimum acceptable donor age - Center profile
CP Max age	Minimum acceptable donor age - Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HBcAb	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug Abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Domino Donor	Domino donor accepted Yes/ No - Center profile
CP Rescue Allocation	Rescue allocation accepted Yes/ No - Center profile
Int-Urg	Current intestine urgency code (T, NT, R, FU)
Screening comments	Information entered in Antibody screening per recipient - “Comments”

9.8.4 P_X_011 Pancreas Waiting List - Extract

The pancreas waiting list extract reports all recipients, who are on the pancreas waiting list. This report also includes the recipients, awaiting a pancreas+kidney transplant.

Column header	Explanation
ET Nr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-Urg	Current liver urgency code (HU, T, NT, R, FU)
He-Urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Lu-Urg	Current lung urgency code (HU, T, NT, R, FU)
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs

Column header	Explanation
Height	Height of recipient in cms
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Put on WL	Date put on pancreas waiting list
Total T	Total number of days the recipient has been “T” on the waiting list
Total NT	Total number of days the recipient has been “NT” on the waiting list
Match points	Total of points which will be used in the match
Living	Recipient waiting for live donor txp Yes/ No
Scr date	Date of last screening
Scr Invalid	Status of the antibody screening at time of Extract: Valid/ Invalid
R %	Current % PRA screening
Auto	Auto antibodies
DTT crossmatch	DTT cross match needed (Yes/ No)
H %	Highest % PRA screening
Unacceptable	Unacceptable antigens
AM	Recipient in Acceptable Mismatch program Yes/ No
A,B_Full_Phenotype	HLA-A ,B, C in current full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in current full match phenotyping
PA-PDC-ET	Primary disease code ET for pancreas
Description	Description of Primary Disease Code
PA-PDC-ICD10	Primary disease code ICD-10 for pancreas
Description	Description of Primary Disease Code
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Match comment	Any Relevant Comment for the match, which cannot be entered on the recipient-specific pancreas donor profile
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Pancreas waiting list secundary diagnosis
Type of Transplant	The type of transplant the recipient needs Islets (IS) or whole pancreas (PA)
Donor Min age	Minimum acceptable donor age – Recipient profile
Donor Max age	Maximum acceptable donor age – Recipient profile
Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile

Column header	Explanation
Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
Donor Sepsis	Donor with meningitis accepted Yes/ No - Recipient profile
Donor Meningitis	Donor with malignant tumor accepted Yes/ No - Recipient profile
Donor Malignant Tumor	Donor with drug abuse accepted Yes/ No - Recipient profile
Donor Drug abuse	Domino donor accepted Yes/ No – Recipient profile
Donor Domino donor	Rescue allocation accepted Yes/ No - Recipient profile
Donor Rescue Allocation	Donor with meningitis accepted Yes/ No - Recipient profile
Donor NHB Donor	NHB donor accepted Yes/ No - Recipient profile
Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
Donor Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
CP Min Age	Minimum acceptable donor age – Center profile
CP Max Age	Maximum acceptable donor age – Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HBcAb	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Domino donor	Domino donor accepted Yes/ No - Center profile
CP Rescue Allocation	Rescue allocation accepted Yes/ No - Center profile
CP NHB Donor	NHB donor accepted Yes/ No - Center profile
CP Euthanasia Donor	Euthanasia donor accepted Yes/ No – Center profile
C-Peptide	C-Peptide value
Unit	C-Peptide unit
Dialysis ctr	Center code of the dialysis center
Int-Urg	Current intestine urgency code (T, NT, R, FU)
Screening comments	Information entered in Antibody screening per recipient - “Comments”
HLA Sample date	Sample date of HLA typing AB full and DR full.
Date of last urgency change	Date of last urgency change
Date of urgency listing	Date of listing on current urgency

9.8.5 LU_X_012 Lung Waiting List - Extract

The lung waiting list extract reports all recipients, who are on the lung waiting list. This report also includes the recipients, awaiting a heart+lung transplant.

Column header	Explanation
ET Nr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient

Column header	Explanation
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-Urg	Current liver urgency code (HU, T, NT, R, FU)
He-Urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Lu-Urg	Current lung urgency code (HU, T, NT, R, FU)
Reason	Reason for urgency NT, R
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Date on WL	Date put on lung waiting list
Current T	Number of continuous days the recipient has been as ‘T’ on the waiting list
Total T	Total number of days the recipient has been on the waiting list as ‘T’ (active) = official waiting time used in the ET lung allocation system
Current NT	If NT urgency code number of contiguous days the recipient is on the ‘NT’ status
Lung requirement	Type of txp required B(oth)/ R(ight)/ L(eft) or combinations
Living Txp	Recipient waiting for live donor txp Yes/ No
Scr date	Date of last screening
R %	Current % PRA screening
H %	Highest % PRA screening
Unacceptable	Unacceptable antigens
A,B_Full_Phenotype	HLA-A ,B, C in current full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in current full match phenotyping
Lu-pdc-et	Primary disease code ET for lung
Description	Description of disease code
Lu-pdc-icd10	Primary disease code ICD-10 for lung
Description	Description of disease code
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HBcAb	HBc Ab status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT

Column header	Explanation
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Match comment	Match comment
Foreign approval	Has the HU status been approved by the international audit committee Yes/ No/Empty
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Lung waiting list secundary diagnosis
RP Min donor Age	Minimum acceptable donor age
RP Max donor Age	Maximum acceptable donor age
RP Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile
RP Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
RP Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
RP Donor CMV	Accepted donor virology Neg/ Any - Recipient profile
RP Min Donor TLC	Minimum acceptable donor Total Lung Capacity
RP Max Donor TLC	Maximum acceptable donor Total Lung Capacity
RP Donor Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
RP Donor Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
RP Donor Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
RP Donor Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
RP Donor Domino donor	Domino donor accepted Yes/ No – Recipient profile
RP Donor Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
RP Donor NHB Donor	NHB donor accepted Yes/ No - Recipient profile
RP Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
RP Donor Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
CP Min Age	Minimum acceptable donor age - Center profile
CP Max Age	Minimum acceptable donor age - Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HBcAb	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Domino donor	Domino donor accepted Yes/ No - Center profile
CP rescue allocation	Rescue allocation accepted Yes/ No - Center profile
CP Donor NHB Donor	NHB donor accepted Yes/ No - Center profile
CP Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No – Center profile

Column header	Explanation
Int-Urg	Current intestine urgency code (T, NT, R, FU)
Screening comments	Information entered in Antibody screening per recipient - "Comments"

9.8.6 HL_X_034_R Thoracic Waiting List with donor profile – Extract

This extract offers an overview of all registered thoracic recipients and the entered recipient profile.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
Organ	HE/LU/HELU
List	Center/ Country/Cluster **
HU only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
Unicode	Yes/ No

*The last two parameters can be combined to show only HU pediatric recipients
** If the list is made for the entire country or cluster, the items "Name", "Dob"and "Sex" are shown for the recipient of your own center only.
The header shows the selected parameters. The body contains the following columns:

Column header	Explanation
Center	Registration center of recipient
ET Nr	ET registration number of recipient
Name	Last name of recipient
Dob	Date of birth of recipient
Sex	Sex of recipient F(emale) or M(ale)
Weight	Weight of recipient in kg
Height	Height of recipient in cm
Organs required	Organs for which recipient is on the (active or passive) waiting list(s)
ABO	Blood group and rhesus factor
Urgency	Current thoracic urgency code (HU, T, NT, R, FU)
Foreign Approval	Has the HU status been approved by the international audit committee Yes/ No
Date on WL	Date put on heart waiting list
Days in HU	Number of continuous days the recipient has been as 'HU' on the waiting list
Days on T	Number of continuous days the recipient has been as 'T' on the waiting list
Days on NT	Number of continuous days the recipient has been as 'NT' on the waiting list
Screening Date	Date of last screening
Current PRA%	Current % PRA screening
Auto	Auto antibodies
Highest PRA%	Highest % PRA screening
Unacceptables	Unacceptable Antigens

Column header	Explanation
Cumulative specifities	Cumulative specifities
Full match phenotype	HLA-A ,B, DR, DQ in recipient full match phenotyping
Min donor age	Minimum acceptable donor age
Max donor age	Maximum acceptable donor age
HBsAg	Accepted donor virology Neg/ Any
HCVAb	Accepted donor virology Neg/ Any
HBcAb	Accepted donor virology Neg/ Any
CMV	Accepted donor virology Neg/ Any
Female Donor min. height	Minimal acceptable female donor length
Female Donor max. height	Maximal acceptable female donor length
Male Donor min. height	Minimal acceptable male donor length
Male Donor max. height	Maximal acceptable male donor length
Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
Domino donor	Domino donor accepted Yes/ No – Recipient profile
Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
NHB Donor	NHB donor accepted Yes/ No - Recipient profile
Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
Current LAS score	LAS score currently used in match
Screening comments	Information entered in Antibody screening per recipient - “Comments”

9.8.7 K_X_027 Tbase Kidney Waiting List - Extract

The kidney waiting list extract reports all recipients, who are on the kidney waiting list.
The parameters for these extracts are:

Name item	Description
Separator	Default is the separator “;”
For center	Format is xxxTP
Unicode	Yes/ No

Column header	Explanation
Etnr	ET registration number of recipient
Last name	Last name of recipient
First name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Ki-Urg since	Date of last urgency status change or update
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)

Column header	Explanation
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Put on WL	Date put on kidney waiting list
Dialysis Ctr	Dialysis center name
Scr date	Date of last screening
R%	Current % PRA screening
H%	Highest % PRA screening
FM class I	HLA-A ,B, C in recipient full match phenotyping
FM class II	HLA-DR, DQ in recipient full match phenotyping
Primary disease code	Primary disease code for kidney End-stage renal disease
HBsAg	HBs Ag status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Date 1st dialysis	Dtae of first dialysis
Dialysis-Tech	Dialysis technique
Address	Address of recipient
Post code	Postal code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
No. of ki txp in other center	Number of ki transplantations in other center then current registration center

9.8.8 P_X_029 Tbase Pancreas Waiting List - Extract

The pancreas waiting list extract reports all recipients, who are on the pancreas waiting list. The parameters for these extracts are:

Name item	Description
Separator	Default is the separator ";"
For center	Format is xxxTP

Column header	Explanation
Etnr	ET registration number of recipient
Last name	Last name of recipient
First name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
Pa-Urg since	Date of last urgency status change or update
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs

Column header	Explanation
Height	Height of recipient in cms
Put on WL	Date put on kidney waiting list
Scr date	Date of last screening
R%	Current % PRA screening
H%	Highest % PRA screening
FM class I	HLA-A ,B, C in recipient full match phenotyping
FM class II	HLA-DR, DQ in recipient full match phenotyping
Primary disease code	Primary disease code for kidney End-stage renal
HBsAg	HBs Ag status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Address	Address of recipient
Post code	Postal code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
No. of pa txp in other center	Number of pancreas transplantations in other center then current registration center

9.8.9 R_X_025 Waiting List With Insurance Data - Extract

The waiting list extract lists recipient and waiting list data, plus recipient insurance data, from all waiting list registrations of the indicated organ type and in the indicated period.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
Organ	ALL, KI, PA, HE, LU or LIV
From date	Format: dd.mm.yyyy
To date	Format: dd.mm.yyyy
Non residents only	Y(es) or N(o). If "Y", only non-resident recipients are shown. If "No", all reported recipients are shown
Center(s)	Default is 'ALL', which means all transplants from the user's center are shown.
Unicode	Yes/ No

If the center to do name begins with 'G' the column header for the insurance company is filled with 'VK-nr', otherwise it is filled with 'R-ins-comp'.

Column header	Meaning
R-ET Nr	ET registration number of recipient
R-Name	Last and first name of recipient
R-Sex	Sex of recipient F(emale) or M(ale)
R-Dob	Date of birth of recipient
R-Address	Address of recipient
R-Postcode	Post code of recipient

Column header	Meaning
R-City	City of recipient
R-Country	Country of recipient
R-Center	Registration center of recipient
R-Reg. Date	Registration date of recipient
R-Date on wl	Date put on waiting list
R-Required Organ (s)	Organs for which recipient is on the (active or passive) waiting list(s)
R-Cum. txp	Cumulative transplants: number of transplants of the organ selected at the date put on waiting list
R-Living	Recipient waiting for living donor txp Yes/ No
R-Recip in ET	Is recipient considered a match resident Yes/ No
R-Ins Type	Type of insurance
R-Ins-Comp	Code of insurance company
R-Ins Nr	Insurance number of recipient
IHR-Last Name	Last name of insurance holder name
IHR-Initials	Initials of insurance holder
IHR-Sex	Sex of insurance holder
IHR-Dob	Date of birth of insurance holder
IHR-Address	Adress of insurance holder
IHR-Postcode	Postal code of insurance holder
IHR-City	City of insurance holder
IHR-Ins nr	Insurance number of insurance holder

9.9 Donor organ used extracts

These special extracts generate a data set, which contains information on all donors of whom at least one organ has been used in a transplant, during the given time period. The data set is center-specific.

The different extracts are:

- D_X_007 Donor Organs Transplanted
  This extract only shows donors from the own center, with transplants in the own center.
- D_X_013 Donor Organ Transplant Information
  This extract only shows donors from the own center, with transplants in the own and other centers. The other difference with X007 is the specific recipient information.

All the extracts use the same input parameters in order to generate the the data set.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
For center	Format is xxxTP
From date	Format is dd.mm.yyyy
To date	Format is dd.mm.yyyy
Unicode	Yes/ No

9.9.1 D_X_007 Donor Organs Transplanted

This extract only shows donors from the own center, with transplants in the own center.

Column header	Explanation	Notes
D-Regn	ET registration number of donor	
D-center	Registration center of donor (first 3 characters of ET center code)	
D-regdate	Registration date of donor	
D-type	Donor type: Cadaver/ Living	
D-rel	Relation of donor to recipient	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Current full match phenotype of donor	
T-LKi	Transplant registration number of left kidney	1*
R-LKi	Recipient ET registration number for left kidney	2*
T-RKi	Transplant registration number of right kidney	1*
R-RKi	Recipient ET registration number for right kidney	2*
T-Blki	Transplant registration number of both kidneys	1*
R-Blki	Recipient ET registration number for both kidneys	2*
T-Pa	Transplant registration number of pancreas	1*
R-Pa	Recipient ET registration number for pancreas	2*
T-Wliv	Transplant registration number of whole liver	1*
R-Wliv	Recipient ET registration number for whole liver	2*
T-LLSliv	Transplant registration number of Left lateral segment	1*
R-LLSliv	Recipient ET registration number for Left lateral segment	2*
T-ERLliv	Transplant registration number of Extended right lobe	1*
R-ERLliv	Recipient ET registration number for Extended right lobe	2*
T-LLliv	Transplant registration number of (full) Left lobe	1*
R-LLliv	Recipient ET registration number for (full) Left lobe	2*
T-RLliv	Transplant registration number of (full) Right lobe	1*
R-RLliv	Recipient ET registration number for (full) Right lobe	2*
T-He	Transplant registration number of heart	1*
R-He	Recipient ET registration number for heart	2*
T-HeLu	Transplant registration number of heart/lung	1*
R-HeLu	Recipient ET registration number for heart/lung	2*
T-LLu	Transplant registration number of left lung	1*
R-LLu	Recipient ET registration number for left lung	2*
T-RLu	Transplant registration number of right lung	1*
R-RLu	Recipient ET registration number for right lung	2*
T-BLu	Transplant registration number of both lungs	1*
R-BLu	Recipient ET registration number for both lungs	2*

Number	Explanation of the Notes
1*	If there is no ET transplant registration number in the respective column - then there is no transplant registered for the respective organ detail.
2*	In case a recipient received a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the same recipient ET registration number will be present for the respective organ detail.

9.9.2 D_X_013 Donor Organ Transplant Information

This extract only shows donors from the own center, with transplants in the own and other centers. It also shows specific recipient information.

Column header	Explanation
D-regn	ET registration number of donor
D-center	Registration center of donor (first 3 characters of ET center code)
D-regdate	Registration date of donor
D-abo	Blood group of donor
D-sex	Sex of donor F(emale) or M(ale)
D-age	Age of donor (at time of death)
D-type	Donor type (cadaver or living or living unrelated)
R-etnr	ET registration number of recipient
R-center	Registration center of recipient (first 3 positions of ET center code)
R-abo	Blood group of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-age	Age of recipient (at time of transplant)
R-wait	Waiting time of recipient in days
R-pd	Primary disease of recipient
Txp-nr	ET registration number of transplant
T-center	Registration center of transplant (first 3 characters of ET center code)
Txp-date	Date of transplant
Txp-organ	Organ transplanted
T-seq	Organ transplanted sequence number
T-fail-date	Date of organ failure
T-fail-cause	Cause of failure of this transplant

9.10 Organ Transplants extracts

These extracts generate a data set, which contains information on all transplants performed in the requesting center during the given time period. The data sets are organ-specific.
The following extracts are available:

- K_X_002 Kidney Transplant Extract
  This extract reports all kidney transplants (kidney only or kidney combined with other organ)
- P_X_003 Pancreas Transplant Extract
  This extract reports all pancreas transplants (pancreas only or pancreas combined with other organ)
- HE_X_004 Heart Transplant Extract
  This extract reports all heart transplants (heart only or heart combined with other organ)
- LU_X_005 Lung Transplant Extract
  This extract reports all lung transplants (lung only or lung combined with other organ)
- LI_X_006 Liver Transplant Extract
  This extract reports all liver transplants (liver only or liver combined with other organ,

including split and partial transplants)

- K_X_026 Tbase Kidney Transplant Extract
  This extract reports all kidney transplants (kidney only or kidney combined with other organ)
- P_X_028 Tbase Pancreas Transplant Extract
  This extract reports all pancreas transplants (pancreas only or pancreas combined with other organ)

All the reports use the same input parameters. The parameters which should be entered are:

Name Parameter	Description
Separator	This is the indicator which separates the values in the rows.Default is the separator ";".
For center	Center code, XXXTP
From date	Start date of the period reported. Format is dd.mm.yyyy
To date	End date of the period reported. Format is dd.mm.yyyy
Unicode	Yes/ No

For reasons of standardization, the lay-out of all transplant data sets is the same, irrespective of the organ transplant requested. This choice had to be made due to changes of the database structure over time, and in order to allow the identification of multi-organ transplants. The description however, is per organ extract.

9.10.1 K_X_002 Kidney Transplant Extract

This extract reports all kidney transplants (kidney only or kidney combined with other organ)

Column header	Explanation	Notes
T-date	Date of transplantation	
T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-PDC-EDTA	Primary ET kidney disease code of recipient	
R-Pa-pd	Primary pancreas disease of recipient	
R-Li-pd	Primary liver disease of recipient	
R-He-pd	Primary heart disease of recipient	
R-Lu-pd	Primary lung disease of recipient	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
Wli-seq	Whole liver transplant sequence number	1*
Lsli-seq	Left liver split transplant sequence number	1*
Rsli-seq	Right liver split transplant sequence number	1*
He-seq	Heart transplant sequence number	1*

Column header	Explanation	Notes
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R_Full_phenotype	Current full phenotype of recipient	
T-LKi	Transplant registration number Left kidney	2*
T-RKi	Transplant registration number Right kidney	2*
T-Blki	Transplant registration number Both kidneys	2*
T-Pa	Transplant registration number Pancreas	
T-Wliv	Transplant registration number Whole liver	
T-Lsliv	Transplant registration number Left liver split	
T-Rsliv	Transplant registration number Right liver split	
T-He	Transplant registration number Heart	
T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	
T-RLu	Transplant registration number Right lung	
T-BLu	Transplant registration number Both lungs	
D-reg-nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Current full phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code of recipient at time of transplant	
T-wait-since	Date put on waiting list	
R-dfd	Date first dialysis of recipient	
Dialysis center	Dialysis center of recipient	
Init Immsupp 1	First initial immuno suppression	
Init Immsupp 2	Second initial immuno suppression	
Init Immsupp 3	Third initial immuno suppression	
Init Immsupp 4	Fourth initial immuno suppression	
Maint Immsupp 1	First maintenance immuno suppression	
Maint Immsupp 2	Second maintenance immuno suppression	
Maint Immsupp 3	Third maintenance immuno suppression	
Maint Immsupp 4	Fourth maintenance immuno suppression	

Column header	Explanation	Notes
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
Diuresis first hour	Initial diuresis post transplant	
Diuresis ml	Post transplant diuresis	
Diuresis Hours	Measurement period post transplant diuresis	
Rest Diuresis	Pre transplant diuresis	
Rest Diuresis Hours	Measurement period post transplant diuresis	
R-Ki-PDC-ICD10	Primary ICD10 kidney disease code of recipient - Code table 1B, Ki Disease	
mm-A	Number of mismatches of A antigens	
mm-B	Number of mismatches of B antigens	
mm-DR	Number of mismatches of DR antigens	
R-PA-PDC-ICD10	Primary ICD10 pancreas disease code of recipient	
R-LI-PDC-ICD10	Primary ICD10 liver disease code of recipient	
R-HEi-PDC-ICD10	Primary ICD10 heart disease code of recipient	
R-LU-PDC-ICD10	Primary ICD10 lung disease code of recipient	
Current PRA%	Current % PRA screening	
Highest PRA%	Highest % PRA screening	

Number	Explanation of the Notes
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant *registered in the ET computer system*, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the K_X_002 report, one of the columns T-LKI, T-RKi, or T-Blki will most often be filled.In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.2 P_X_003 Pancreas Transplant Extract

This extract reports all pancreas transplants (pancreas only or pancreas combined with other organ)

Column header	Explanation	Notes
T-date	Date of transplantation	
T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-pdc-edta	Primary ET kidney disease of recipient	

Column header	Explanation	Notes
R-Pa-pdc-et	Primary ET pancreas disease of recipient	
R-Li-pdc-etlr	Primary ET liver disease of recipient	
R-He-pdc-et	Primary ET heart disease of recipient	
R-Lu-pdc-et	Primary ET lung disease of recipient	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
Wli-seq	Whole liver transplant sequence number	1*
LLSli-seq	Left lateral segment split liver transplant sequence number	1*
ERLli-seq	Extended right lobe split liver transplant sequence number	1*
LLli-seq	Left lobe split liver transplant sequence number	1*
RLi-seq	Right lobe split liver transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R_Full_phenotype	Current full match phenotype of recipient	
T-LKi	Transplant registration number Left kidney	
T-RKi	Transplant registration number Right kidney	
T-Blki	Transplant registration number Both kidneys	
T-Pa	Transplant registration number Pancreas	2*
T-Wliv	Transplant registration number Whole liver	
T-LLSliv	Transplant registration number Left lateral segment liver split	
T-ERLliv	Transplant registration number Extended right lobe liver split	
T-LLliv	Transplant registration number Left lobe liver split	
T-RLliv	Transplant registration number Right lobe liver split	
T-He	Transplant registration number Heart	
T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	
T-RLu	Transplant registration number Right lung	
T-BLu	Transplant registration number Both lungs	
D-reg nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Current full match phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	

Column header	Explanation	Notes
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code at transplant registration of recipient	
T-wait-since	Date put on waiting list of recipient	
Init Immsupp 1	First initial immuno suppression	
Init Immsupp 2	Second initial immuno suppression	
Init Immsupp 3	Third initial immuno suppression	
Init Immsupp 4	Fourth initial immuno suppression	
Maint Immsupp 1	First maintenance immuno suppression	
Maint Immsupp 2	Second maintenance immuno suppression	
Maint Immsupp 3	Third maintenance immuno suppression	
Maint Immsupp 4	Fourth maintenance immuno suppression	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
Immediate Performance	Immediate performance or pancreas after transplantation	
R-ki-pdc-icd10	Primary ICD10 pancreas disease code of recipient	
R-pa-pdc-icd10	Primary ICD10 pancreas disease code of recipient	
R-li- pdc-icd10	Primary ICD10 liver disease code of recipient	
R-he- pdc-icd10	Primary ICD10 heart disease code of recipient	
R-lu- pdc-icd10	Primary ICD10 lung disease code of recipient	

Number	Explanation of the Notes
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant registered in the ET computer system, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the P_X_003 report (Pancreas), the column T-Pa will be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.3 HE_X_004 Heart Transplant Extract

This extract reports all heart transplants (heart only or heart combined with other organ)

Column header	Explanation	Notes
T-date	Date of transplantation	
T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	

Column header	Explanation	Notes
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-pdc-edta	Primary ET kidney disease of recipient	
R-Pa-pdc-et	Primary ET pancreas disease of recipient	
R-Li-pdc-etlr	Primary ET liver disease of recipient	
R-He-pdc-et	Primary ET heart disease of recipient	
R-Lu-pdc-et	Primary ET lung disease of recipient	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
Wli-seq	Whole liver transplant sequence number	1*
LLSli-seq	Left lateral segment split liver transplant sequence number	1*
ERLli-seq	Extended right lobe split liver transplant sequence number	1*
LLli-seq	Left lobe split liver transplant sequence number	1*
RLi-seq	Right lobe split liver transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R Pheno	Current full match phenotype of recipient	
T-LKi	Transplant registration number Left kidney	
T-RKi	Transplant registration number Right kidney	
T-Blki	Transplant registration number Both kidneys	
T-Pa	Transplant registration number Pancreas	
T-Wliv	Transplant registration number Whole liver	
T-LLSliv	Transplant registration number Left lateral segment liver split	
T-ERLliv	Transplant registration number Extended right lobe liver split	
T-LLliv	Transplant registration number Left lobe liver split	
T-RLliv	Transplant registration number Right lobe liver split	
T-He	Transplant registration number Heart	2*
T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	
T-RLu	Transplant registration number Right lung	
T-BLu	Transplant registration number Both lungs	
D-reg nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	

Column header	Explanation	Notes
D-height	Height of donor	
D-pheno	Current full match phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code at transplant registration of recipient	
T-wait-since	Date put on waiting list of recipient	
Init Immsupp 1	First initial immuno suppression	
Init Immsupp 2	Second initial immuno suppression	
Init Immsupp 3	Third initial immuno suppression	
Init Immsupp 4	Fourth initial immuno suppression	
Maint Immsupp 1	First maintenance immuno suppression	
Maint Immsupp 2	Second maintenance immuno suppression	
Maint Immsupp 3	Third maintenance immuno suppression	
Maint Immsupp 4	Fourth maintenance immuno suppression	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
Immediate Performance	Immediate performance or heart after transplantation	
R-ki-pdc-icd10	Primary ICD10 pancreas disease code of recipient	
R-pa-pdc-icd10	Primary ICD10 pancreas disease code of recipient	
R-li- pdc-icd10	Primary ICD10 liver disease code of recipient	
R-he- pdc-icd10	Primary ICD10 heart disease code of recipient	
R-lu- pdc-icd10	Primary ICD10 lung disease code of recipient	

Number	Explanation of the Notes
1*	The sequence number for this transplant organ.Thus, if a transplant registration is the first such transplant *registered in the ET computer system*, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the HE_X_004 report (Heart), the column T-He will be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.4 LU_X_005 Lung Transplant Extract

This extract reports all lung transplants (lung only or lung combined with other organ)

Column header	Explanation	Notes
T-date	Date of transplantation	

T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-pdc-edta	Primary ET kidney disease of recipient	
R-Pa-pdc-et	Primary ET pancreas disease of recipient	
R-Li-pdc-etlr	Primary ET liver disease of recipient	
R-He-pdc-et	Primary ET heart disease of recipient	
R-Lu-pdc-et	Primary ET lung disease of recipient	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
WLi-seq	Whole liver transplant sequence number	1*
LLSli-seq	Left lateral segment split liver transplant sequence number	1*
ERLli-seq	Extended right lobe split liver transplant sequence number	1*
LLli-seq	Left lobe split liver transplant sequence number	1*
RLi-seq	Right lobe split liver transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R Pheno	Current full match phenotype of recipient	
T-LKi	Transplant registration number Left kidney	
T-RKi	Transplant registration number Right kidney	
T-Blki	Transplant registration number Both kidneys	
T-Pa	Transplant registration number Pancreas	
T-Wliv	Transplant registration number Whole liver	
T-LLSliv	Transplant registration number Left lateral segment liver split	
T-ERLliv	Transplant registration number Extended right lobe liver split	
T-LLliv	Transplant registration number Left lobe liver split	
T-RLliv	Transplant registration number Right lobe liver split	
T-He	Transplant registration number Heart	
T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	2*
T-RLu	Transplant registration number Right lung	2*
T-BLu	Transplant registration number Both lungs	2*
D-reg nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	

D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Current full match phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code at transplant registration of recipient	
T-wait-since	Date put on waiting list of recipient	
Init Immsupp 1	First initial immuno suppression	
Init Immsupp 2	Second initial immuno suppression	
Init Immsupp 3	Third initial immuno suppression	
Init Immsupp 4	Fourth initial immuno suppression	
Maint Immsupp 1	First maintenance immuno suppression	
Maint Immsupp 2	Second maintenance immuno suppression	
Maint Immsupp 3	Third maintenance immuno suppression	
Maint Immsupp 4	Fourth maintenance immuno suppression	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
R-ki-pdc-icd10	Primary ICD10 pancreas disease code of recipient	
R-pa-pdc-icd10	Primary ICD10 pancreas disease code of recipient	
R-li- pdc-icd10	Primary ICD10 liver disease code of recipient	
R-he- pdc-icd10	Primary ICD10 heart disease code of recipient	
R-lu- pdc-icd10	Primary ICD10 lung disease code of recipient	
Current LAS score	LAS score currently used in match	
LAS primary disease	Primary disease entered in LAS request	

Number	**Explanation of the Notes**
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant *registered in the ET computer system*, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the LU_X_005 report (Lungs), one of the columns T-LLu, T-RLu or T-BLu will most often be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.5 LI_X_006 Liver Transplant Extract

This extract reports all liver transplants (liver only or liver combined with other organ, including split and partial transplants)

Column header	Explanation	Notes
T-date	Date of transplantation	
T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-pd	Primary ET kidney disease of recipient	
R-Pa-pd	Primary ET pancreas disease of recipient	
R-Li-pd	Primary ET liver disease of recipient	
R-He-pd	Primary ET heart disease of recipient	
R-Lu-pd	Primary ET lung disease of recipient	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
Wli-seq	Whole liver transplant sequence number	1*
LSplitLI-seq	Left split liver transplant sequence number	1*
RSplitLi-seq	Right split liver transplant sequence number	1*
LLSLi-seq	Left lateral segment split liver transplant sequence number	1*
ERLLi-seq	Extended right lobe split liver transplant sequence number	1*
LLLi-seq	Left lobe split liver transplant sequence number	1*
RLLi-seq	Right lobe split liver transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R Pheno	Current full match phenotype of recipient	
T-LKi	Transplant registration number Left kidney	
T-RKi	Transplant registration number Right kidney	
T-Blki	Transplant registration number Both kidneys	
T-Pa	Transplant registration number Pancreas	
T-Wliv	Transplant registration number Whole liver	2*
T-LSplitLiv	Transplant registration number Left liver split	2*
T-RSplitLiv	Transplant registration number Right liver split	2*
T-LLSliv	Transplant registration number Left lateral segment liver split	2*
T-ERLliv	Transplant registration number Extended right lobe liver split	2*
T-LLliv	Transplant registration number Left lobe liver split	2*
T-RLliv	Transplant registration number Right lobe liver split	2*
T-He	Transplant registration number Heart	

T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	
T-RLu	Transplant registration number Right lung	
T-BLu	Transplant registration number Both lungs	
D-reg nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Current full match phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code at transplant registration of recipient	
T-wait-since	Date put on waiting list of recipient	
Init Immsupp 1	First initial immuno suppression	
Init Immsupp 2	Second initial immuno suppression	
Init Immsupp 3	Third initial immuno suppression	
Init Immsupp 4	Fourth initial immuno suppression	
Maint Immsupp 1	First maintenance immuno suppression	
Maint Immsupp 2	Second maintenance immuno suppression	
Maint Immsupp 3	Third maintenance immuno suppression	
Maint Immsupp 4	Fourth maintenance immuno suppression	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
Immediate Performance	Immediate performance or liver after transplantation	
Lab MELD	MELD based on Lab values	
Exc MELD	Exceptional MELD score	
Ped MELD	Pediatric MELD score	

Number	**Explanation of the Notes**
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant *registered in the ET*

	computer system, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the LI_X_006 report (Liver), one of the columns T-Wliv, T-Lsliv or T-Rsliv will most often be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.6 K_X_026 Tbase Kidney Transplant Extract

This extract reports all kidney transplants (kidney only or kidney combined with other organ)

Column header	Explanation
T-date	Date of transplantation
T-CENTER	Transplant center first 3 positions of ET center code
R-etnr	ET registration number of recipient
R-name	Last name of recipient
R-surnm	First name of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-dob	Date of birth of recipient
R-abo	Blood group of recipient
R-Ki-pd	Primary ET kidney disease of recipient
R-Pa-pd	Primary ET pancreas disease of recipient
R Pheno	Full match phenotype of recipient
T-LKi	Transplant registration number Left kidney
T-RKi	Transplant registration number Right kidney
T-Blki	Transplant registration number Both kidneys
T-Pa	Transplant registration number Pancreas
D-reg nr	ET registration number of donor
D-type	Donor type C(adaveric) or L(iving)
D-rel	Relation of donor to recipient
D-age	Age of donor
D-abo	Blood group of donor
D-rh	Rhesus of donor
D-sex	Sex of donor F(emale) or M(ale)
D-cod	Cause of death of donor
D-weight	Weight of donor
D-height	Height of donor
D-pheno	Current full match phenotype of donor
T-fd	Failure date of graft
T-fc	Fail cause of graft
R-dd	Death of date of recipient
R-dc	Cause of death of recipient
R-weight	Weight of recipient
R-height	Height of recipient
T-urg-at	Urgency code at transplant registration of recipient
R-dfd	Date of first dialysis
mm-A	Number of mismatches of A antigens
mm-B	Number of mismatches of B antigens

mm-DR	Number of mismatches of DR antigens

9.10.7 P_X_028 Tbase Pancreas Transplant Extract

This extract reports all pancreas transplants (pancreas only or pancreas combined with other organ)

Column header	Explanation
T-date	Date of transplantation
T-CENTER	Transplant center first 3 positions of ET center code
R-etnr	ET registration number of recipient
R-name	Last name of recipient
R-surnm	First name of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-dob	Date of birth of recipient
R-abo	Blood group of recipient
R-Ki-pd	Primary ET kidney disease of recipient
R-Pa-pd	Primary ET pancreas disease of recipient
R Pheno	Full match phenotype of recipient
T-LKi	Transplant registration number Left kidney
T-RKi	Transplant registration number Right kidney
T-Blki	Transplant registration number Both kidneys
T-Pa	Transplant registration number Pancreas
D-reg nr	ET registration number of donor
D-type	Donor type C(adaveric) or L(iving)
D-rel	Relation of donor to recipient
D-age	Age of donor
D-abo	Blood group of donor
D-rh	Rhesus of donor
D-sex	Sex of donor F(emale) or M(ale)
D-cod	Cause of death of donor
D-weight	Weight of donor
D-height	Height of donor
D-pheno	Current full match phenotype of donor
T-fd	Failure date of graft
T-fc	Fail cause of graft
R-dd	Death of date of recipient
R-dc	Cause of death of recipient
R-weight	Weight of recipient
R-height	Height of recipient
T-urg-at	Urgency code at transplant registration of recipient

9.10.8 T_X_024 Transplants with Insurance Data - Extract

This extract generates a data set, which contains information on all transplants performed in the requesting center during the given time period, including the insurance data of the

transplanted recipients.

The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
From date	Start date of the period reported. Format is dd.mm.yyyy
To date	End date of the period reported. Format is dd.mm.yyyy
Center(s)	Default is ALL, which means all transplants from the centers the userhas authorization to see are shown.*
Organ	ALL, Ki, Pa, He, Lu or Liv
Donor type	C(adaver), L(iving) or ALL
Unicode	Yes/No

* If the center to do name begins with G the column header for the insurance company is filled with VK-nr, otherwise it is filled with R-ins-comp

Column header	Description
R-etnr	ET registration number of recipient
R-name	Name of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-dob	Date of birth of recipient
R-center	Registration center of recipient
Txp-date	Date of transplantation
Txp-nr(s)	Transplant number(s) *
Txp-organ(s)	Transplanted organ(s) *
D-type	Type of donor C(adaver) of L(iving)
D-reg nr	ET registration number of donor
D-center	Registration center of donor
D-rel	Relation of donor to recipient
Txp remark	Transplant remarks
R-address	Recipient address of recipient
R-pcod	Recipient postcode of recipient
R-city	Recipient city of recipient
R-ins type	Type of insurance of recipient
R-ins-comp	Code of insurance company of recipient
R-ins no	Insurance number of recipient
IHR-name	Name of insurance holder
IHR-surname	Surname of insurance holder
IHR-sex	Sex of insurance holder F(emale) or M(ale)
IHR-dob	Date of birth of insurance holder
IHR-address	Address of insurance holder
IHR-pcod	Postcode of insurance holder
IHR-city	City of insurance holder
IHR-ins no	Insurance number of insurance holder

* Multiple transplants are separated by '/'

9.11 Recipient Questionnaire Extracts

9.11.1 HE_X_030 Recipient Questionnaire - Extract

This special report generates a data set, which contains information on the transplant candidates who are on the heart waiting list.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
Questionnaire code	FWLHE. *
Registration from date	Start date of the period reported (Registration date of recipient). Format is dd.mm.yyyy
Registration to date	End date of the period reported(Registration date of recipient) Format is dd.mm.yyyy
ET nr.	Possibility to run extract for a single recipient via ET Nr. Enter "ALL" for all recipients
Recipient name	Possibility to run extract for a single recipient via name. Enter "ALL" for all recipients
Date of birth after	Posibility to make selection on date of birth
Date of birth before	Posibility to make selection on date of birth
Date of death before	Posibility to make selection on date of death
Date of death after	Posibility to make selection on date of death
Sex	M/F/ALL, possibility to make selection on sex of recipients
Center code	Default is ALL, which means all transplants from the centers the user has authorization to see are shown.
Unicode	Yes/No

* Please select this option for this extract; the other options refer to non available questinonniares.

Column header	Explanation
Recipient ETnr	ET registration number of recipient
Registration Center	Registration center of recipient
Data collected on	Date of results
Date on waiting list	Date put on waiting list
NYHA	New York Heart Association code: I-IV
RRSYST	Systolic arterial pressure
Unit	Unit of systolic arterial pressure (mmHg)
RRDIAST	Diastolic arterial pressure
Unit	Unit of diastolic arterial pressure (mmHg)
VENT	Ventilation (artificial respiration) Yes/No
HEMOFILT	Hemofiltration Yes/No
DIAL	Dialysis Yes/No
DM	Diabetes Mellitus Yes/No
IDDM	Insulin Dependant Diabetes Mellitus Yes/No
APOPLEX	Apoplex Yes/No
PAOD	Periferal Arterial Disease Yes/No
STAY	Whereabout of recipient: Home, Intensive Care or Ward
HOSPD	Duration of hospitalisation
Unit	Unit of duration of hospitalisation in days
SMOKING	Smoking in packyears (Nicotine packyears)

Column header	Explanation
RHYTHM	Cardiac rhythm
HBFREQ	Heart beat frequency
Unit	Unit of heart beat frequency (minutes)
QRS>0.12 sec	QRS wave long Yes/No
LBBB	Left Buncel Branch Block Yes/No
SVT	Sustained Ventricular Tachycardia >30 sec Yes/No
AICD	Automatic Implantable Cardioverter Defibrillator Yes/No
SHOCKXS	More then 10 shocks per month Yes/No
CMNT	Comment on shocks
SODIUM	Sodium concentration
Unit	Unit of sodium concentration (mmol/l)
CREAT	Creatinine concentration
Unit	Unit of creatinine concentration (mg/dl or umol/l)
BILI	Bilirubine concentration
Unit	Unit of bilirubine concentration (mg/dl or umol/l)
BNP	Brain Natriuretic Peptide
Unit	Unit of Brain Natriuretic Peptide (pg/ml)
NORADR	Noradrenalin
Unit	Unit of Noradrenalin (pg/ml)
PRA	Panel Reactive Antibodies
Unit	Unit of PRA (percentage)
EJFRACLV	Left ventricular ejection fraction
Unit	Unit of left ventricular ejection fraction (percentage)
LVEDD	Left Ventricular End Diastolic Diameter
Unit	Unit of Left Ventricular End Diastolic Diameter (mm)
LVESD	Left Ventricular End Systolic Diameter
Unit	Unit of Left Ventricular End Systolic Diameter (mm)
FS	Fractional shortening
Unit	Unit of fractional shortening (percentage)
MVI	Mitral Valve Regurgitation Yes/No
LVEDP	Left Ventricular End Diastolic Pressure
Unit	Unit of Left Ventricular End Diastolic Pressure (mmHg)
PAM	Mean Pulmonal Artery Pressure
Unit	Unit of Mean Pulmonal Artery Pressure (mmHg)
PCWP	Pulmonal Capillary Wedge Pressure
Unit	Unit of Pulmonal Capillary Wedge Pressure (mmHg)
CVP	Central Venous Pressure
Unit	Unit of Central Venous Pressure (mmHg or cm H2O)
CARDIX	Cardiac Index
Unit	Unit of Cardiac Index ((l/min)m2)
SVR	Systemic Vascular Resistance
Unit	Unit of Systemic Vascular Resistance (dynes sec/cm5)
PVR	Pulmonary Vascular Resistance
Unit	Unit of Pulmonary Vascular Resistance (dynes sec/cm5)
SVO2	Mixed venous saturation
Unit	Unit of Mixed venous saturation (percentage)

Column header	Explanation
PAO2	Partial arterial oxygen pressure
Unit	Unit of partial arterial oxygen pressure (kPa or mmHg)
MAXOX	Maximum Oxygen uptake
Unit	Unit of Maximum Oxygen uptake ((ml/min)Kg)
CATHECH	Catecholamine Yes/No
ACE INH	ACE inhibitor or AT I blocker Yes/No
BBLOCK	Beta Blocker Yes/No
ALDOSTA	Aldosterone Antagonist Yes/No
DIURETICS	Diuretics Yes/No
DIGITALIS	Digitalis Yes/No
ANTIAR	Antiarhythmics Yes/No
ANTIC	Anticoagulation drugs Yes/No
PREVSUR	Previous surgery Yes/No
PREVSURCMT	Previous surgery comment
IABP	Intra Aortic Balloon Pump Yes/No
ECMO	Extra Corporal Membrane Oxygenation Yes/No
VAD	Ventricular Assist Device Yes/No
VADDATE	Date of implantation of VAD
VADT	VAD Type
VADBRAND	VAD Brand

9.12 BSN Recipient Extract (Dutch centers only)

The BSN Recipient extract shows a relation table for ET-nr - BSN per recipient for the center of the user.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
Unicode	Yes/No

The extract contains the following data items for recipients with a BSN number in Enis:

Column header	Meaning
R-Etnr	ET registration number of recipient
R-BSN	BSN number of recipient
R-Last-name	Last name of recipient
R-First-name	First name of recipient
R-dob	Date of birth of recipient
R-sex	Sex of recipient F(emale) or M(ale)

All recipients a center has authorization to see are shown, except the recipients without a BSN number in Enis.

10 Frequently asked Questions (FAQ)

In this chapter you'll find a number of frequently asked questions. These questions are gathered by the Eurotransplant Help desk.

Question:
How do I get my own login code?
Answer:
Go to the website of Eurotransplant http://www.eurotransplant.org Select "Member Login", "Account Registration". An online registration form appears where you can enter the applicable data. Enter all data and click "Submit". The request is send to Eurotransplant. You will receive a login code after 1- 5 working days via e-mail.
For further information or description, see 2.1.1 "How to request a pass word".

Question:
How can I change my pass word after receiving one from ET?
Answer:
Go to the website of Eurotransplant http://www.eurotransplant.org
Click on "Membersite Login". A log in screen appears. Enter the username and Pass word provided by the IT department. Click on "Login".

- On first login the *change password screen* will be opened
- Enter the current password (password provided by Eurotransplant IT department.)
- Enter a new password (you can make up a new pass word yourself, minimal length 6 characters and two digits (Example: mypas34).
- Confirm your new password by entering it a second time.

Remember: do not tell anyone your password!

Each 6 months you will be asked to change your password. Instructions will appear automatically on screen.
Note: This password can't be the same as the password you used earlier.
After 6 months of no activity your account will be disabled. With your username you get access to the member site. All requested applications are available via the member site.
For further information or description, see 2.1.1 "How to request a pass word".

Question:
What happens if you entered the wrong password five times?
Answer:
Your account will be locked. In the login screen the next message will appear:
"Account locked due to too many login failures. Click here to reset your password"
You will have to reset your password by clicking on "Click here". Your account will be unlocked by the IT Department and you will receive a new temporary password that you will have to change at first login (see above).

Question:
How do you get return of waiting time for kidney recipient?
Answer:

If the patient fulfils the criteria of return of waiting time after kidney graft failure (kidney graft has failed within 90 days after transplantation) re-register the patient as follows on the kidney waiting list: Go to “TXP”, “Update” in ENIS or the kidney follow up application.
Enter the date and cause of failure.
Re-register the patient on the kidney waiting list with the current date of re-institution of dialysis (must be after the last transplantation).
Previous waiting time will automatically be returned the next day after 00:00 hours.

Note: When the recipient transferred to another center after the transplantation, it will not be possible for you to enter the date and cause of failure of the transplantation. In this case Please contact the Eurotransplant Allocation Helpdesk

Question:
How do I register a living transplantation prior to donor registration?
Answer:
Register the donor in ENIS (description in section 5) and select the donated organ.
Save the information
For liver transplantation, go to Donor – Donor Organ –Liver. Enter the correct hepatectomy date and time (this can be a historical date/ time).
For kidney transplantation, go to Donor – Donor Organ –Kidney. Go to the correct kidney tab and enter the correct nephrectomy date and time (this can be a historical date/ time).
Save the information.
Now it is possible to register the transplantation, even if the transplantation took place prior to the registration of the donor.
For further information or description, see Chapter 4 “Donor registration”.

Question:
How to retrieve recipient information from recipients receiving an organ from your donor via Donordata.eu?
Answer:
Go to the application www.donordata.eu (on Membersite, under Applications)
Enter the donor number and click “Search”.
The information of that donor appears.
Go to the tab “Recipients”. An overview of recipients with an offered, accepted, confirmed or transplanted status appears. Three reports are available in this tab, with all necessary information

Note: The following restrictions have been implemented
Users from donor center: from recipients from your own center all information is visible. All reports are accessible. From recipients from another center only the standard information is visible after registration of the transplantation. The reports are not available.
For users not belonging to the donor center (or belonging to a cluster with the donor center) only the standard recipient information will be shown and the reports are not available.

Question:
How do I register a pancreas recipient with a too high C-peptide on the waiting list?
Answer:
A recipient can only be registered on a transplantable (T) urgency on the pancreas waiting

list if the pancreas does not function properly. This has to be proven by the value of the C-peptide. This value has to be ≤0.50 ng/ml or 0.17 nmol/.
If the value is higher, you can only put these recipients on a not transplantable (NT) urgency. The comment "C-peptide is too high" is entered automatically.
In these cases you can sent the filled in form *F1.29.3 Waiting List Registration request form pancreas* to the Administration HelpDesk of Eurotransplant.
The HelpDesk wil foreward your request to members of the Pancreas Advisory Committee (EPAC). The request is sent to two members, in case of a split decision to a third member. The HelpDesk will inform you about the decision. If the decision is 'Yes', the HelpDesk will set the field 'EPAC approval' to Yes and you can set the urgency on transplantable (T).
For further information or description, see 3.1.12 "Pancreas specific screen".

Addendum A Code tables extracts

Code Table 1 - Urgency codes

Code	Description
HU	High Urgent - Heart, Lungs, Liver and Kidney
1A-HU	Unstable on inotropics - Dutch Heart recipients only
1B-HU	Stabilized on inotropics - Dutch Heart recipients only
SU	Special Urgency – Pancreas (Vascularized only)
T	Transplantable - Heart, Lungs, Liver, intestine and Pancreas
T	Transplantable (allo-PRA 0-5%) - Kidney
I	Immunized (allo-PRA 6-84%) - Kidney
HI	Highly Immunized (allo-PRA 58-100%) - Kidney
NT	Not Transplantable - All organs
FU	Transplanted - All organs
R	Removed from Waiting List - All organs
D	Deceased - All organs

Code Table 2 – Immuno suppression

Nr	Description
0	None
10	Corticosteroids
21	Azathioprine
22	Cyclophosphamide
23	Other Antimetabolites
24	MMF
25	Methotrexate
26	Mizoribine
27	Everolimus
31	Cyclosporin A
32	Tacrolimus (FK-506)
33	Rapamycin (Sirolimus)
39	Other Cyclosporins
45	ALG
46	ATG
49	ALG or ATG
51	Anti_Pan T M0Ab
59	M0Ab to lymphocytes
70	MPA (Mycophenolic acid)
81	OKT_3 M0Ab
82	IL-2 receptor M0Ab
83	OKT_4 M0Ab
89	M0Ab to epitopes

91	Total lymphoid irradiation (TLI)
92	Plasmapheresis
93	IL-3 receptor antagonist
99	Other

Code Table 3 – Organ detail codes

Code	Description
L_KI	Left kidney
R_KI	Right kidney
BKI	Both kidneys
Wliv	Whole liver
LLiv	Left split liver
Rliv	Right split liver
He	Heart
Llu	Left lung
Rlu	Right lung
HeLu	Heart and both lungs
Pa	Pancreas