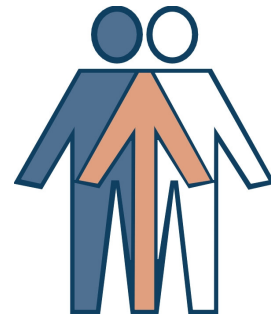


ENISi Recipient Waiting List Kidney

Tutorial

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1 Introduction

This tutorial contains a set of tasks to help you learn about the Recipient Registration Wizard, the Recipient Waiting List Kidney, the Recipient Waiting List Overview and the Center Donor Profile Kidney screens that were created during the ENISi project. This part of the project will be released on 12th April 2006.

The renewed screens are:

For all waiting list administrators:

- Recipient Registration Wizard: Choose Organ(s)

For kidney administrators:

- Recipient – Organ – Kidney (four tab pages)
- Recipient – Organ – Waiting List Overview
- Center – Donor Profiles - Kidney

Good luck!

2 Tutorial tasks

First you have to insert a new recipient, you can use fictive data. The following instructs you on how to enter data into ENIS.

2.1 Logon to ENIS

- 1) Login at the Eurotransplant member website (<https://www.eurotransplant.nl/>)
- 2) Logon to the database [Beta1], the Test environment of ENIS. You always have to use this database to practice. Later on, when you are working with ENIS in your Center, you logon to the production database.

Test & Education

ET ENIS[beta1]

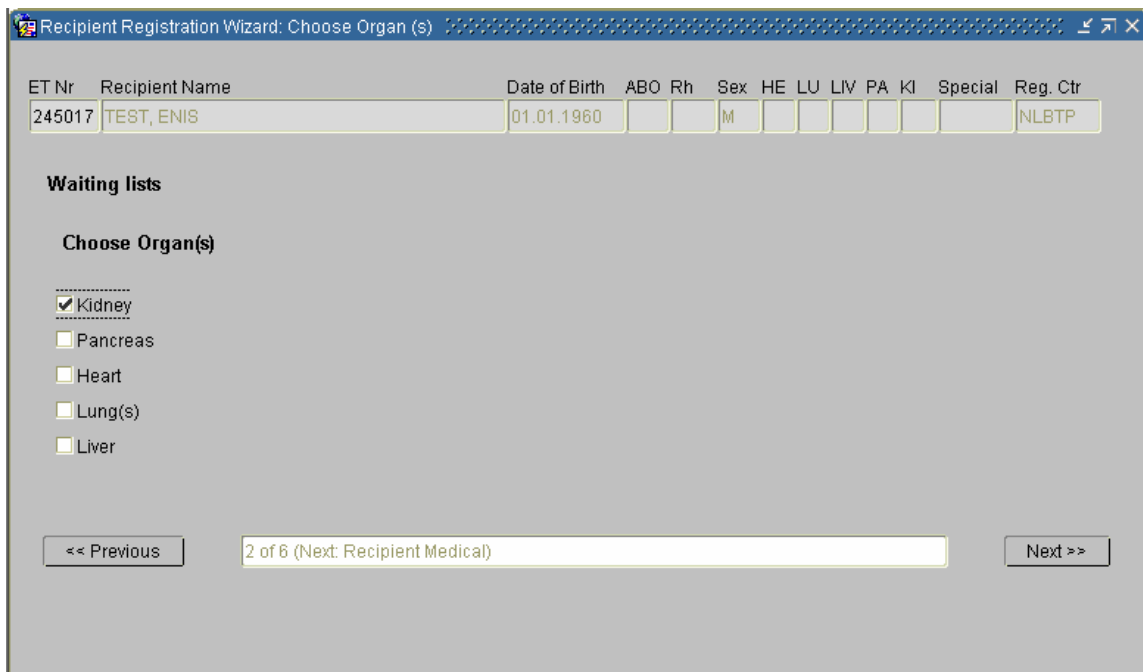
2.2 Recipient Registration Wizard

For each new recipient registration, the recipient registration wizard will be used to make sure all the screens necessary are entered. Via New – Recipient Registration the wizard begins.

- 1) Create a new kidney recipient, via New – Recipient Registration and fill out the recipient data in the Recipient Registration screen. Save the data and you will receive an ET number.
- 2) At the bottom of the screen the Previous and Next buttons appear. Also is shown how many screens have to be entered and you see what the next screen in the wizard is:



- 3) Choose Next and the following screen appears:



ET Nr	Recipient Name	Date of Birth	ABO	Rh	Sex	HE	LU	LIV	PA	KI	Special	Reg. Ctr
245017	TEST, ENIS	01.01.1960			M							NLBTP

Waiting lists

Choose Organ(s)

Kidney

Pancreas

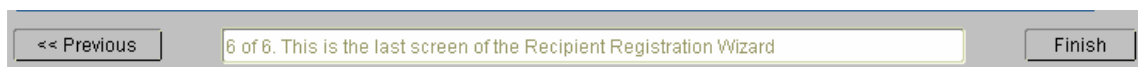
Heart

Lung(s)

Liver

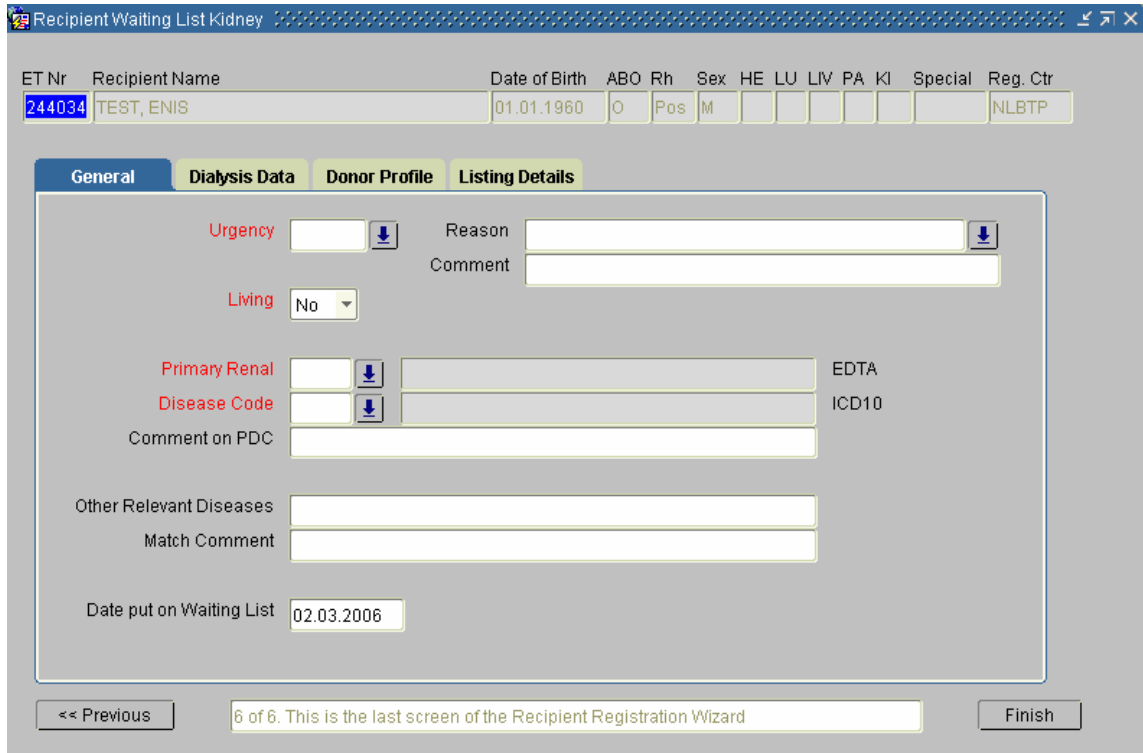
<< Previous 2 of 6 (Next: Recipient Medical) Next >>

- 4) Here you choose the organ(s) corresponding with the waiting list(s) the recipient has to be put on. Choose Kidney.
- 5) By using the Next button the data are automatically saved to the database. After that the number of screens the recipient registration wizard contains is adapted.
- 6) Choose Next and the next screen is the Medical screen where the blood group has to be entered.
- 7) Choose Next and you can enter the HLA screen where the HLA typing can be entered.
- 8) Choose Next and the next screen is Antibody Screening per Recipient. Here the antibodies can be entered.
- 9) Choose Next and the next screen is Waiting List Kidney. See chapter 2.3 for details.
- 10) After filling out these tab pages, and using the Finish button, the recipient is registered in ENIS:



2.3 Kidney Waiting List

- 1) Go to: Recipient – Organ – Kidney or you will enter the screen via the Recipient Registration Wizard.
- 2) The organ screen contains four tab pages. First tab page General:



The red items are mandatory. You have to choose at least one primary renal disease code: an EDTA or an ICD10 code, an LOV is available with the arrow.
 In case of German users ICD10 is mandatory, EDTA may also be entered. If ICD10 is entered, EDTA will automatically be filled with the corresponding value.

- 3) The second tab page is Dialysis Data:

The Dialysis Technique is mandatory. When the recipient is on dialysis, also the Date of (Re) institution of Dialysis is mandatory and the address items can be entered.

4) The third tab page is the recipient Donor Profile:

Recipient Waiting List Kidney

ET Nr: 244034 Recipient Name: TEST, ENIS Date of Birth: 01.01.1960 ABO: O Rh: Pos Sex: M HE: LU: LIV: PA: KI: Special: Reg. Ctr: NLBTP

General | Dialysis Data | Donor Profile | Listing Details

Min Age: 5 HBSAg: Neg Sepsis: Yes
 Max Age: 70 HBcAb: Any Meningitis: Yes
 Accept en bloc (= <5yr): No HCVAb: Neg Malignant Tumor: Yes
 Accept NHB: Yes Drug Abuse: Yes
 Domino Donor: Yes
 Rescue Allocation: Yes

Accepted broad HLA mismatch criteria:

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	
B	0	0	0	1	1	1	0	0	0	2	2	2	1	1	1	0	0	0	2	2	2	1	1	2	2
DR	0	0	0	0	0	0	1	1	1	0	0	0	1	1	2	2	2	1	1	2	2	2	2	2	2
Accept	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
#Mismatch	0	1	2	1	2	3	1	2	3	2	3	4	2	3	4	2	3	4	3	4	5	3	4	5	6
Center	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

<< Previous | 6 of 6. This is the last screen of the Recipient Registration Wizard | Finish

The donor profiles were available in the old ENIS in the menu via Recipient – Donor Profiles. Now it will become available as a tab page per organ. When no specific recipient donor profile is entered, the center donor profile will be used for matching. Next to the items you can fill out, you see the center profile.

5) The last tab page is Listing Details:

Recipient Waiting List Kidney

ET Nr	Recipient Name	Date of Birth	ABO	Rh	Sex	HE	LU	LIV	PA	KI	Special	Reg. Ctr
244034	TEST, ENIS	01.01.1960	O	Pos	M							NLBTP

Waiting Days

Previous

Current

Match

Date put on Waiting List

Date out of Waiting Room

Cumulative Transplants

Total KI

All Organs

6 of 6. This is the last screen of the Recipient Registration Wizard

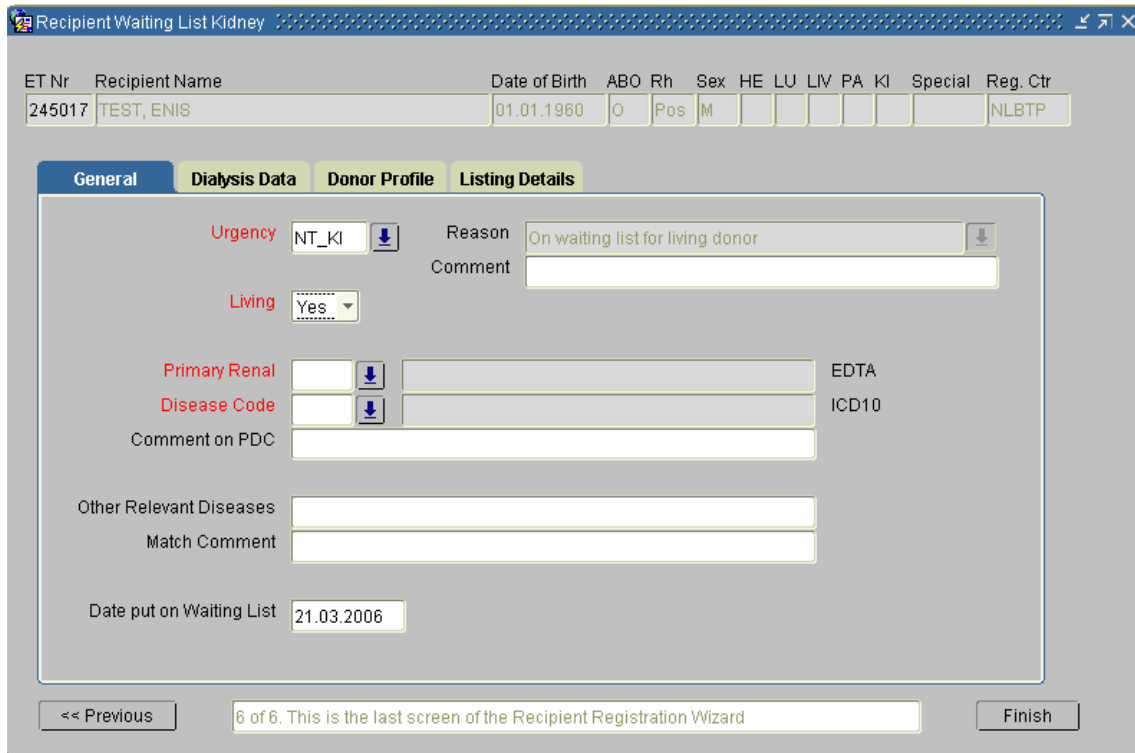
This tab page shows the waiting list details. It is an overview of waiting days and the cumulative transplants. No data can be changed in this screen, it is view only.

- 6) Now you the Finish button to end the recipient registration.
- 7) You can change the urgency of the recipient in the tab page General in the organ screen. Select a recipient and go to Recipient – Organ – Kidney - tab page General. Change the Urgency to NT. Now the Reason becomes mandatory. When you choose 'Other' as a Reason, Comment becomes mandatory also.
- 8) Change the urgency into Transplantable (corresponding the entered antibody percentage). Reason and Comment will be deleted.

2.4 Living Registration

When a recipient has to be put on the waiting list for a living transplantation it can be entered in the Organ screen, tab page General.

- 1) Enter a new recipient
- 2) Put the recipient on the waiting list for a living kidney transplantation (Living Yes):



The screenshot shows the 'Recipient Waiting List Kidney' application window. At the top, there is a header with fields for ET Nr (245017), Recipient Name (TEST, ENIS), Date of Birth (01.01.1960), ABO (O), Rh (Pos), Sex (M), and other medical indicators. Below this is a tabbed interface with 'General', 'Dialysis Data', 'Donor Profile', and 'Listing Details' tabs. The 'Listing Details' tab is active and contains the following fields:

- Urgency:** NT_KI (with a dropdown arrow)
- Reason:** On waiting list for living donor (with a dropdown arrow)
- Comment:** (empty text box)
- Living:** Yes (with a dropdown arrow)
- Primary Renal:** (empty text box with a dropdown arrow)
- Disease Code:** (empty text box with a dropdown arrow)
- Comment on PDC:** (empty text box)
- Other Relevant Diseases:** (empty text box)
- Match Comment:** (empty text box)
- Date put on Waiting List:** 21.03.2006

At the bottom of the window, there is a navigation bar with '<< Previous', a status bar showing '6 of 6. This is the last screen of the Recipient Registration Wizard', and a 'Finish' button.

- 3) For **German** Users: at time of recipient registration, the recipient **must** have a transplantable urgency (T, I or HI). After registration the urgency can be changed into every urgency including Not Transplantable. But at the time of a transplantation registration, the urgency must be transplantable (T, I or HI).
- 3) For **Non-German** Users: the urgency will automatically be changed to NT with Reason 'On waiting list for living donor'.

2.5 Recipient Waiting List Overview

The waiting list overview is an overview per recipient with all the relevant waiting list data. The data of all waiting lists a recipient is on are shown. The waiting list overview can be printed out at any time. The overview can only be selected from a recipient. When no selection is made first, the report will be empty.

- 1) Select a kidney recipient; you can use the recipient you just registered in ENIS.
- 2) Go to: Recipient – Organ - Waiting List Overview:

ET Nr	Recipient Name	Organ(s)	Date of Birth	ABO	Rh	Sex	Reg. Center
123456	XXXXXXXXXX	XXX	dd.mm.yyyy	X	X	X	XXTP

Kidney Waiting List

Urgency History (last 10 updates)

Entry Date	Urgency	Reason	Comment on Urgency
dd.mm.yyyy	XX	description	text

Primary Disease Code

Entry Date	Code	Description	Comment PDC
dd.mm.yyyy	XX	text	text

Dialysis Center

Current

Center	text	Center Tel. Nr.	Text
Address	text		
City	text	Physician	Text
Country	text	Physician Tel Nr.	Text

History

Entry Date	Center	Technique	Description	Date (Re)Institution
dd.mm.yyyy	text	XXX		dd.mm.yyyy

Recipient Donor Profile

Min Age	Max Age	En bloc (= < 5yr)	NHB	HBcA	HBsAg	HCV	Sepsi	Meni	Malig.	Drug Abuse	Domino Donor	Resc. Alloc.
XX	XX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

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							
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	2	3	4	2	3	4	2	3	4	3	4	3	4	5	3	4	5	4	5	6

Other

Living	XXX	Waiting Days	Previous	12345
Date put on Waiting List	dd.mm.yyyy		Current	12345
Date out of Waiting Room	dd.mm.yyyy		Match	12345
Cumulative Transplants	KI	XX	All	XX
Match Comment	Text			

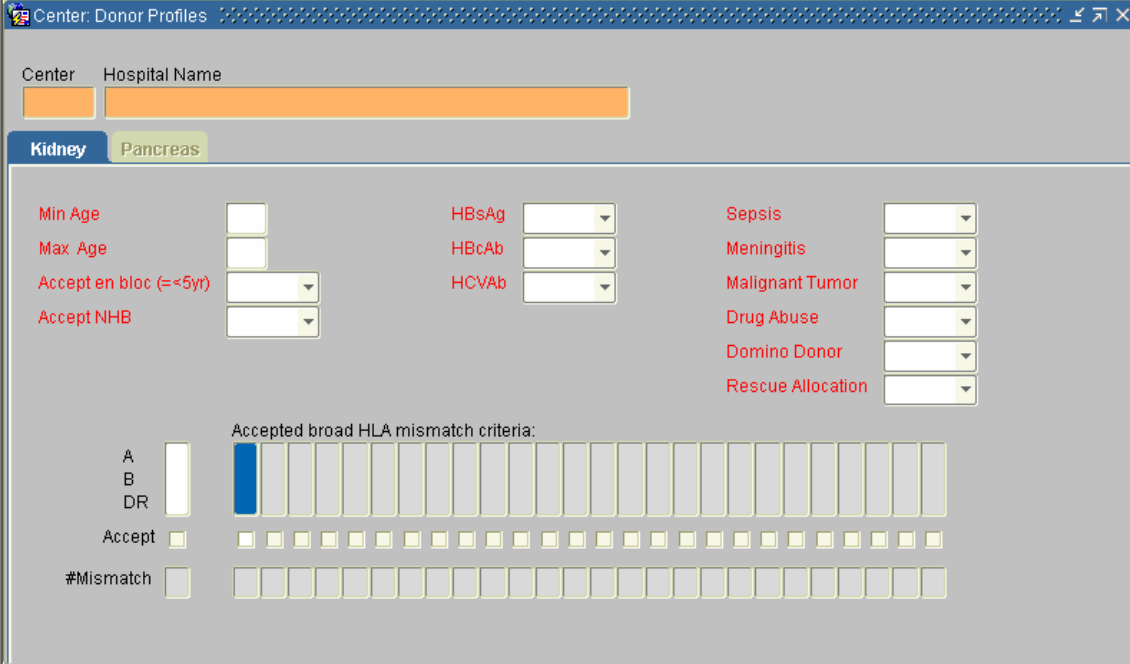
Center Comment

Free format text, not from ENIS

2.6 Center Donor Profiles – Kidney

The purpose of this screen is to register a kidney profile for an entire center. For the items that are not entered in the recipient profile, the center profile will be used for the kidney match.

Go to: Center – Donor Profiles – Kidney:



The screenshot shows a web application window titled "Center: Donor Profiles". At the top, there are input fields for "Center" and "Hospital Name". Below these are two tabs: "Kidney" (selected) and "Pancreas". The main form area contains several fields for defining donor criteria:

- Min Age**: Input field
- Max Age**: Input field
- Accept en bloc (≤5yr)**: Dropdown menu
- Accept NHB**: Dropdown menu
- HBsAg**: Dropdown menu
- HBcAb**: Dropdown menu
- HCVAb**: Dropdown menu
- Sepsis**: Dropdown menu
- Meningitis**: Dropdown menu
- Malignant Tumor**: Dropdown menu
- Drug Abuse**: Dropdown menu
- Domino Donor**: Dropdown menu
- Rescue Allocation**: Dropdown menu

Below these fields is a section titled "Accepted broad HLA mismatch criteria:". It includes a dropdown menu for "A", "B", or "DR", a row of 12 checkboxes for "Accept", and a row of 12 checkboxes for "#Mismatch". The first checkbox in the "Accept" row is currently checked.

In the future, when all waiting lists are ready, all organ donor profiles will become available as a tab page. Now the other center donor profiles can be entered via Center – Donor Profiles.

END OF THE TUTORIAL