



## News from Scandiatransplant office

September 2018

### Introduction

#### Headlines

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*Database update  
September 19, 2018*

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- Major revision of lab. value entry on deceased donors
- Update in 'Payback status'
- Update on HLA antibody data transfer, Fusion -> YASWA
- STEP menu – available in production, but the program is not official launched.
- HLA control registration in 'All recipients'

All previous newsletters can be found on the Scandiatransplant web page  
<http://www.scandiatransplant.org/news/newsletters>

#### Content

- 1 Introduction and purpose
- 2 Major revision of lab. value entry on deceased donors
- 4 Update in 'Payback status'
- 4 Update on HLA antibody data transfer, Fusion -> YASWA
- 5 STEP menu – available in production, but the program is not official launched.
- 5 HLA control registration in 'All recipients'

### Purpose

By this information letter, we wish to communicate to you about status and progress related to the database, collaboration with groups related to Scandiatransplant and on-going working projects.

We hope that you will read it and share the information with whom it might concern.

Do not hesitate to contact us for further information, ideas, problems and help.

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## Major revision of lab. value entry on deceased donors

This update includes a major change in the way that lab. values are registered and displayed on deceased donors.

*Change in registration of lab. values on deceased donors*

### One tab

The information has previously been found in two tabs 'lab. test at admis' and 'latest lab. test'. These two tabs have now been unified into one tab called 'Lab. tests'.

Deceased donor registration Info Back Save Reset Print Preview offer Send offer

Donor number: 94 Sex: F: Female  
Hospitalized in: DK: Denmark Citizenship of: DK: Denmark  
Birth-date: Person Number: Age in years at donation:  
Donor name: Name:

Basic Infection **Lab.tests** Medical info Blood gas & vent Medication HLA Organ proc. Organ offer Organ QC

Add new Graph-var.: Show

Date of lab.test	Hemogl...	Leucoc...	Trombo...	Na (So...	Creatini...	LDH	CK-MB	ASAT	ALAT	Bilirubin	Alkal...	Amylase	CRP	Tropon...
10-Sep-2018 17:33		17	248	153	84	515	22		245	10	107	96	51	
09-Sep-2018 00:00	8.5				80	778			353	6	150	37	1	

### More samples

It possible to register several samples (date + time), thus the development in lab. values during hospitalization can be followed more closely. When you wish to add a new sample, click on add new

Deceased donor registration Info Back Save Reset Print Preview offer Send offer

Donor number: 94 Sex: F: Female  
Hospitalized in: DK: Denmark Citizenship of: DK: Denmark  
Birth-date: Person Number: Age in years at donation:  
Donor name: Name:

Basic Infection **Lab.tests** Medical info Blood gas & vent Medication HLA Organ proc. Organ offer Organ QC

**Add new** Graph-var.: Show

Date of lab.test	Hemogl...	Leucoc...	Trombo...	Na (So...	Creatini...	LDH	CK-MB	ASAT	ALAT	Bilirubin	Alkal...	Amylase	CRP	Tropon...
10-Sep-2018 17:33		17	248	153	84	515	22		245	10	107	96	51	
09-Sep-2018 00:00	8.5				80	778			353	6	150	37	1	

Old information from 'lab. test at admis' has been added to the new display with 'date of admission' and 'latest lab. test' has been added with 'date and time of donation'.

If you wish to add or change data on an already registered sample, click on the specific line

Deceased donor registration Info

Donor number: 94 Sex: F: Female

Hospitalized in: DK: Denmark Citizenship of: DK: Denmark

Birth-date: Person Number: Age in years at donation:

Donor name: Name:

Basic Infection **Lab.tests** Medical info Blood gas & vent Medication HLA Organ proc. Organ offer Organ QC

Add new Graph-var.: Show

Date of lab.test	Hemogl...	Leucoc...	Trombo...	Na (So...	Creatini...	LDH	CK-MB	ASAT	ALAT	Bilirubin	Alkal...	Amylase	CRP	Tropon...
10-Sep-2018 17:33		17	248	153	84	515	22		245	10	107	96	51	
09-Sep-2018 00:00	8.5				80	778			353	6	150	37	1	

### Graphical display

Furthermore, making a graphical display of the development on selected values has been added as a new feature.

Select the lab parameter you wish to look close at and click on 'show':

Deceased donor registration Info

Donor number: Sex: F: Female

Hospitalized in: DK: Denmark Citizenship of: DK: Denmark

Birth-date: Person Number: Age in years at donation:

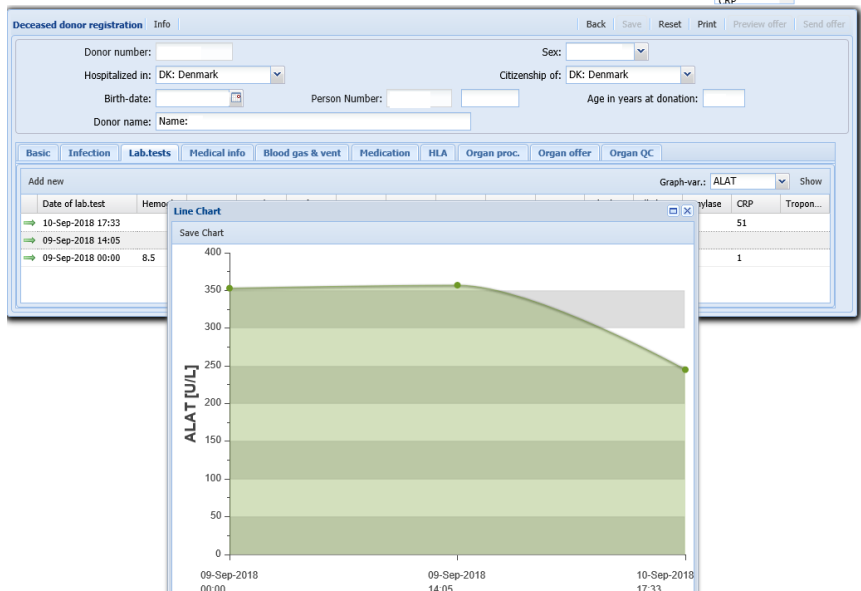
Donor name: Name:

Basic Infection **Lab.tests** Medical info Blood gas & vent Medication HLA Organ proc. Organ offer Organ QC

Add new Graph-var.: **ALAT** Show

Date of lab.test	Hemogl...	Leucoc...	Trombo...	Na (So...	Creatini...	LDH	CK-MB	ASAT	ALAT	Bilirubin	Alkal...	Amylase	CRP	Tropon...
10-Sep-2018 17:33		17	248	153	84	515	22		245	10	107	96	51	
09-Sep-2018 14:05								357	357					
09-Sep-2018 00:00	8.5				80	778			353	6	150	37	1	

*Graphical display of development*



**Minor update in  
'Payback status'**

## Payback status - update

AB0 and age has been added as additional search parameters:

The screenshot shows the 'Payback status' application interface. At the top, there are search filters: Donor number, Age (≥ 20), AB0 blood group (0), Organ type (LI: Liver), Hide already paid (checked), Credit (payback to center), Owe (organ to center), and Payback donor. Below the filters is a table with columns: Donor number, Age, AB0 blood g..., Date of don..., Procuring Ce..., Credit (payb..., Owe (organ..., Graft type, Payback don..., Payback tx d..., and No payback... The table contains several rows of data for donors with donor number 94 and 93. At the bottom, there are navigation controls: Page 1 of 1, Order by: Procuring Center, and Displaying 1 - 6 of 6.

Furthermore, it is now possible to register if agreement of no payback has been made by the involved transplant centers:

The screenshot shows the 'Payback needed' application interface. It includes fields for Donor number, Age, AB0 blood group, Procuring Center (HE: Helsinki), Organ to center (OS: Oslo), Graft type (LI), and Date of donation. Below these fields is a section for 'Payback refusals' with a table for Donor, Payback refusal, and Comments. The table has two rows: Don#94 Center:OS Date: AG and Don#94 Center:OS Date: LA BMI. Below the table is a section for 'Payback acceptance' with a dropdown for 'Payback graft/donor', a dropdown for 'Payback to center', and a dropdown for 'Agreement of no payback'. There is also a 'Date of agreement' field set to 11-Sep-2018 and a 'Comments' field with a legend: L: Large number of payback attempts, C: Old case, not able to payback, Y: Young/small donor, not able to payback, OT: Other, specify.

**Status on the  
implementation of  
the new application  
for data transfer**

## Update on HLA antibody data, Fusion -> YASWA

The tissue typing labs in Gothenburg, Tartu and Aarhus are now regularly using the application for direct transfer of antibody screen-test data from local Fusion-software to YASWA. Labs. in Stockholm and Uppsala are currently running tests.

To be part of the STEP (paired kidney donation) program within ScandiTransplant, this data transfer is obligatory, as MFI values are part of the HLA matching. Further information about the data transfer is found in the [newsletter from June](#).

Updates to the application are regularly done by the office to improve usage and logging, so when you launch the application and an update is available, please say yes to update.

*STEP is on the way...*

## STEP menu – available in production, but the program is not official launched.

Before summer the first test version of the Scandia Transplant kidney Exchange Programme (STEP) was launched on the test server. The details and requirements are found [here](#).

The functionalities in YASWA for running STEP has been implemented in production with the database update today.

The program is official not launched yet as some organizational approvals are lacking and the immunological data needed to run STEP are not in place.

## HLA control registration in 'All recipients'

Each time an update is made to the HLA typing on a recipient a line is inserted in the bottom of the page with date of update and user id.

When the HLA type registration has been checked by another person, this person can click on confirm which will insert date and user id.

The screenshot displays the 'HLA Typing' tab in a web application. It features several sections for data entry:

- Serological/serological equivalent:** Includes dropdowns for A (2, 1), B, Cw, Bw4/w6 (w6), DR (17, 15), and DQ.
- Genomic:** Includes dropdowns for A (0101, 03), B (07, 18), C (05, 07), DRB1, DQB1 (02, 06), DPB1, DQA1 (01, 0501), DPA1, and DRB3/4/5.
- Haplotype/CWD alleles:** A dropdown menu.
- Comments:** A text input field.
- Calc. Bw:** A dropdown menu set to 'w6'.
- For match:** Includes dropdowns for A (1, 3), B (7, 18), Cw (5, 7), DR (3, 2), DQ (2, 1).
- HLA control log:** A table with columns: Last update, Date of update, Controller, Date of control. It contains two rows of data from 19-Sep-2018. A 'Confirm HLA' button is located to the right of the table header.