



News from Scandiatransplant office

June 2022

Introduction

Update

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Headlines

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All previous newsletters can be found on the Scandiatransplant web page

<http://www.scandiatransplant.org/news/newsletters>

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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Limitation on centers receiving organ offers

Organ offers only to relevant centers

At the last coordinator meeting, it was decided that organ offers should only be send to relevant centers based on the organ type(s) offered. When you choose to offer an organ to 'All centers', the system automatically only sends the offer to those centers transplanting the specific organ(s).

This new feature is limited to offers within Scandiatransplant.

Update your own user information

All users are now able to update selected user information, which includes profession, email, mobile number, department and date of birth.

This option is found under 'My info' as shown below.

If your department information is missing from the list, then please contact the office and the information will be added.

Not transplanted organs are displayed in SAE/SAR

Organs procured but not transplanted are now visible under Donation in SAE/SAR and can be chosen as involved in incident.

Additional information added in SAE/SAR

Deceased donor variables – part 8

Replacement of Progress bar, Donation after, ABO blood group and Rhesus D

The above-mentioned fields have been moved so that the Progress bar is now placed at the very top, and the Donation after, ABO blood group and Rhesus D have been moved to the header. The replacement means that these fields will now be visible no matter which tab you are currently on.

Relocation of fields

The screenshot shows the 'Deceased donor registration' form. At the top, the 'Procedure status' is set to '9: Donor operation started (90%)'. Below this, the 'Donation after' field is set to 'DBD', 'ABO blood group' is '0', and 'Rhesus D' is 'NEG'. The form includes various other fields like 'Donor number', 'Sex', 'Hospitalized in', 'Birth-date', 'Person Number', 'Citizenship of', 'Age in years at donation', and 'Temporary ID'.

Small adjustments in the grid on the front page

The sorting of donors is again based on donor numbers instead of the procedure status with the highest donor number at the top.

The column "Donation after" has been added to the overview

Change of sorting

The screenshot shows the 'Deceased donors' overview grid. The grid is sorted by donor number in descending order. The 'Donation after' column is highlighted in red. The data in the grid is as follows:

Donor nu...	Person n...	Sex	Hospitaliz...	Procuring...	Responsi...	Donation...	Date of (...)	Donor na...	Realized	Offered	Donor st...	Procedur...
99170	141266	M: Male	N: Norway	OS: Oslo	OS: Oslo	cDCD		Name: N.	P: Potenti...		P: Potenti...	1: Early call
99169	530925	F: Female	S: Sweden	ML: Malm...	ML: Malm...	cDCD		Name: N.	P: Potenti...		P: Potenti...	1: Early call
99168	801027	F: Female	S: Sweden	ML: Malm...	ML: Malm...	DBD		Name: N.	P: Potenti...		P: Potenti...	5: Death de
99166	231273	M: Male	SF: Finland	HE: Helsi...	HE: Helsi...	DBD	09-Jun-2...	Name: N.	Y: Yes	Y: Yes	U: Utilize...	9: Donor op
99164	071040	M: Male	SF: Finland	HE: Helsi...	HE: Helsi...	DBD		Name: N.	P: Potenti...		P: Potenti...	1: Early call
99163	620706	M: Male	S: Sweden	ST: Stock...	UP: Upps...	cDCD	07-Jun-2...	Name: N.	N: No		N: No do...	10: Comple
99162	030272	M: Male	N: Norway	OS: Oslo	OS: Oslo	DBD	08-Jun-2...	Name: N.	Y: Yes		U: Utilize...	9: Donor op
99161	010157	F: Female	DK: Den...	OD: Ode...	OD: Ode...	DBD	07-Jun-2...	Name: N.	Y: Yes		U: Utilize...	10: Comple

CVP is now under med current

CVP has been moved from the 'Gas and vent' tab to the 'Med current' tab.

The screenshot shows the 'Med current' tab in the medical history section. The table displays various medical measurements over time. The 'CVP' column is highlighted in red.

Date of measurement	Systolic blood ...	Diastolic bloo...	MAP	Pulse rate	Diuresis	Temperature	CVP
	114	59	77	95			
	111	55	77	108		36.5	
							10

Update of check-list(s)

The check-list in the 'Coordination' tab has been revised and an additional check-list have been added in the 'Organ procurement' tab

Organ allocation

We have received valuable feedback on this part and have made the following changes:

The approval column has been removed, so only the accept column is left.

The accept status can be changed by the donor center through 'Allocation' and the recipient center can access the same field through the 'Organ offer evaluation pending' menu.

You are able to set more than center as accept = Yes, if more centers are interested in the organ.

The final decision is registered by choosing the center in the 'Final decision' field below the table.

Update to Organ Allocation

The screenshot shows the 'Organ Allocation' interface. At the top, there are fields for Donor information: Donor number (99095), Donor name (Name: N.), Hospitalized in (DK: Denmark), Person number, Last changed, and Procuring center (CP: København). Below this is the 'Allocation process' table:

Organ to center	Cause	Accept	Refusal	Remarks	Inserted	Last changed
<input checked="" type="checkbox"/> TA: Tartu	12: Organ offer rotalist ...	N: No	NR: No suitable recipien...		15-May-2022 01:32	07-Jun-2022 09:40
<input checked="" type="checkbox"/> GO: Göteborg	12: Organ offer rotalist ...	Y: Yes			15-May-2022 01:32	07-Jun-2022 09:40
<input checked="" type="checkbox"/> HE: Helsinki	12: Organ offer rotalist ...	N: No	SM: No size match (too ...		15-May-2022 01:32	07-Jun-2022 09:40
<input checked="" type="checkbox"/> OS: Oslo	12: Organ offer rotalist ...	Y: Yes			15-May-2022 01:32	07-Jun-2022 09:40
<input checked="" type="checkbox"/> ML: Malmö/Lund	12: Organ offer rotalist ...	N: No	OT: Other, specify	free text	15-May-2022 01:32	07-Jun-2022 09:40

Below the table is a 'Final decision, receiving centre:' dropdown menu set to 'GO: Göteborg'. There are also fields for 'Resp. surgeon accepting:' and 'Comment:'.

Auto calculation of Kidney Donor Risk Index (KDRI) on deceased donors

On all deceased donors in the 'Organ QC' tab KDRI is now auto calculated and displayed.

Calculation of KDRI

The screenshot shows the 'Organ QC' interface. It has tabs for Basic, Meds and labs, Coordination, Donation, Files, CT study, Coordination, Allocation, Payback, Organ offer, and Organ QC. The 'Organ QC' tab is active, showing various clinical criteria for organ quality control:

- Liver QC**: Paediatric liver (Age < 18: No (age: 54)), Splittable liver (Age < 51: No (age: 54), BMI < 26: Yes (BMI: 23.8), Days in ICU < 4: Yes (Days in ICU: 1), ALAT (at admission) < 3*70 U/L: Yes (ALAT at admission: 29), ASAT (at admission) < 3*45 U/L: Yes (ASAT at admission: 41), ALAT (latest) < 3*70 U/L: Yes (Latest ALAT: 26), ASAT (latest) < 3*45 U/L: Yes (Latest ASAT: 34)), Normal liver (Age ≤ 65: Yes (age: 54)), Pancreas QC (Age < 51: No (age: 54), BMI < 30: Yes (BMI: 23.8)), Kidney quality (KDRI: 1.2994).

STAMP/LAMP copy function for acceptable mismatches

For STAMP/LAMP patients, you are now able to copy acceptable mismatches from one tab to the other clicking the clone button.

Acceptable mismatches will be cloned from the other tab to the current tab. So, if you have entered AM data in the STAMP tab and you want to copy the data to the LAMP tab, you go to the lamp tab and press on the “Clone STAMP” button.

Copy function In STAMP/LAMP

The screenshot shows the LAMP tab interface. The 'Acceptable mismatches' section contains the following fields:

Field	Value
HLA-A:	
HLA-B:	
HLA-Cw:	
HLA-DR:	
HLA-DQ:	
HLA-DP:	
HLA-DRB3/4/5:	
HLA-DQA:	
HLA-DPA:	

Buttons: Calculate all, Clone STAMP (highlighted)

Now all the data from the STAMP tab has been transferred to the LAMP tab.

The screenshot shows the LAMP tab interface with data transferred from the STAMP tab. The 'Acceptable mismatches' section contains the following fields:

Field	Value
HLA-A:	11,36
HLA-B:	14,18,42,48,54,55,64,65,67,73,78,81
HLA-Cw:	
HLA-DR:	1,7,9,10,14,18,103
HLA-DQ:	
HLA-DP:	0101,0201,0301,0501,0601,0901,1001,1101,1301,1401,1501,1701,1801,1901,2001,2301,2801
HLA-DRB3/4/5:	3*03,4*01
HLA-DQA:	02,03
HLA-DPA:	02,03,04

Buttons: Calculate all, Clone STAMP

Change in HLA-Bw4 and Bw6 calculation

If you wish to have the system to calculate HLA-Bw4/Bw6 based on the HLA type entered, you need to actively click in the 'Calc. Bw' field, otherwise it will not be auto-calculated. If you update the HLA type, you need to click again to recalculate.

The screenshot shows the 'HLA' tab in a medical form. It is divided into 'Serological/serological equivalent' and 'Genomic' sections. The 'Serological' section has dropdowns for A, B, Cw, DR, Bw4/Bw6, and DQ. The 'Genomic' section has dropdowns for A, B, C, DRB1, DRB3/4/5, DPB1, DQA1, and DQB1. A 'Haplotype/CWD alleles' dropdown is also present. A 'Comments' field is at the bottom left, and a button labeled 'Calc. Bw: Click to calc.' is highlighted with a red box. Below the form, a 'Broad' section shows a summary of HLA types: A: 1 2, B: 13 16, Cw: 6 7, DR: 3 7, DQ: 2.

Revision NPRTSG follow up form

At the last NPRTSG meeting it was decided to make more variables in the registry obligatory. In March 2022 an update version of the initial form was implemented and this is now followed by an update of the follow up form where 16 new N/A options have been added

Update to NPRTSG follow up form

The screenshot shows the 'Basic' tab of the NPRTSG follow up form. It contains fields for Weight (12.3 kg), Height (85 cm), P-Creatinine (31 µmol/L), GFR (Value: ml/min/1.73m2, Method: dropdown, Date: dropdown), U alb/creat (mg/g, mg/mmol), U prot/creat (mg/g, mg/mmol), DUprot (g), Syst BT (89 mmHg), and Diast BT (50 mmHg). Red boxes highlight the 'N/A' options for P-Creatinine, GFR, U alb/creat, U prot/creat, DUprot, Syst BT, and Diast BT. At the bottom, there are fields for Hypertension treatment (Yes) and No. of drugs (1).

An updated version of the revised registration form is found on the homepage:

[http://www.scandiatransplant.org/organ-allocation/NPRTSG follow up form 2 13 apr 2022.pdf](http://www.scandiatransplant.org/organ-allocation/NPRTSG_follow_up_form_2_13_apr_2022.pdf)

Auto calculations of estimated clearance on deceased donors

Under each Lab. test entry 'Estimated clearance CKD-EPI' and 'Estimated clearance MDRD' is now calculated whenever a value for serum creatinine is listed.

Calculation of CKD-EPI and MDRD

The screenshot shows a laboratory test entry form with various fields. The 'Estimated clearance CKD-EPI' field is highlighted with a red box and contains the value 109. The 'Estimated clearance MDRD' field is also highlighted with a red box and contains the value 95.2. Other visible values include Creatinine: 59 µmol/L, ALAT: 17 U/L, and Bilirubin: 5.00 µmol/L.

Auto calculation of PELD score in Liver Registry

In Liver Registry, Form A, under lab test, YASWA now calculates a PELD score if the necessary data are available. These include bilirubin, INR, albumin, height and weight.

Calculation of PELD score

The screenshot shows a laboratory test entry form with various fields. The 'PELD score' field is highlighted with a red box and contains the value 109. Other visible values include Hemoglobin: 7.3 mmol/l, Bilirubin: 198 µmol/l, INR: 1.2, Albumin: 34.0 g/l, and Creatinine: 92 µmol/l.