



## News from Scandiatransplant office

February 2023

### Introduction

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Update

February 8th, 2023

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#### Headlines

- New format for PDFs
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- Change in deceased donor Allocation tab
- New reports, payback overview

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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## New format for PDFs

All PDFs within the system have been given a new layout. They still hold the same information as the old PDFs. In the header of the PDF donor/recipient ID, date+time and filter parameters are displayed depending on the report.

### New and improved format for PDFs

We would like to point out that you might need to add page numbers to the PDF yourselves. If on a Windows computer, you do this in the print pop-up window by selecting print settings and choosing header and footer.

☐ Kun ulige sider  
☐ Kun lige sider  
 f.eks. 1-5, 8, 11-13  
**Færre indstillinger**  
Papirstørrelse  
A4  
Skaler (%)  
100  
Sider pr. ark  
1  
Margener  
Standard  
**Indstillinger**  
☒ Sidehoveder og sidefædder  
☐ Baggrundsgrafik  
Gem Annuller

**Deceased donor registration**

Donor number	1000	Sex	M: Male
Hospitalized in	N: Norway	Citizenship of	N: Norway
Birth-date			
Donor name		Temporary ID	
Donation after	DBD	ABO blood group	A
		Rhesus D	
		POIS	
<b>Basic</b>			
Procuring center	OS: Oslo	Responsible center	OS: Oslo
Responsible in coordinator		Hospital admission	
Donor hospital	OS: Ullevål	Donor detection hospital	
Height	180 cm	Weight	85 kg
Cause of death	10: Intracranial haemorrhage (spontaneous)	Trauma	
Notes on death			
Donation realized		P: Potential donor	P: Potential donor
Potential donor visible to other countries?		N: No	
		<b>Intensive care unit (ICU)</b>	
ICU admission		Start of Ventilator Treatment	
ICU stay	10 13h 34m	Time on ventilator	
<b>Med current</b>			
<b>Donor medical info current</b>			
Current medical history			
Date of measurement 02-Feb-2023 08:00			
Systolic blood pressure	110 mmHg	Diastolic blood pressure	95 mmHg
MAP		Pulse rate	65 min
Diuresis	300 ml/h	Temperature	
CVP			
Date of measurement 02-Feb-2023			
Systolic blood pressure	260 mmHg	Diastolic blood pressure	160 mmHg
MAP		Pulse rate	
Diuresis		Temperature	
CVP			
Date of measurement 01-Feb-2023			

## Change in STAMP inclusion criteria

At the NKG meeting in November 2022, it was decided to change the inclusion criteria for STAMP from 'Transplantability score (TS) ABO identical  $\leq 2\%$  and ABO compatible  $\leq 3\%$ ' to 'Transplantability score (TS) ABO compatible  $\leq 2\%$ '.

### New STAMP inclusion criteria effective from February 1<sup>st</sup> 2023

February 1<sup>st</sup> 2023 the new criteria became effective.

STAMP/ LAMP quality controls have been updated accordingly and an updated version of the guidelines can be found on the homepage:

[http://www.scandiatransplant.org/organ-allocation/Manual\\_STAMP\\_9.2.pdf](http://www.scandiatransplant.org/organ-allocation/Manual_STAMP_9.2.pdf)

## STAMP, own antigens as acceptable mismatches

At the tissue typing meeting in September 2022, it was decided that recipients own antigens now have to manually be chosen as acceptable.

With the update today own antigens are now present on the acceptable mismatch.

**Recipients own antigens as acceptable in STAMP and LAMP**

All recipients with a LAMP and/or STAMP record, both historical, under preparation and on the waiting list, have had own antigens inserted as acceptable mismatches with a dedicated script.

A new quality control has been introduced, which checks if own antigens have been listed as acceptable mismatches.

Specific data	Infection	LAMP	LAMP QC	STAMP	STAMP log	STAMP QC	STAMP Aux	Urgency History	Termination
Quality control - STAMP preconditions									
TS, ABO compatible <= 2%:	Yes (.15%)								
HI PRA >= 80% at present:	Yes (HI Highly immunized)								
Most recent PRA < 3 months:	Yes (10-NOV-2022 2 months 24 days)								
Correct HLA typing resolution:	No (A 2,11; B 35,140; Cw 2,4; DR 11; DQ I3; DPB1 *0401,0601; DQA1 *05,; DPA1 *0103,; DRB *3*02,)								
Acc. mm. splits:	No (A *9,*19,*28; B *5,*12,*14,*15,*16,*17,*21,*22,*40; DR *3; DQ *3;)								
Id. antib. splits:	Yes (All identified antibodies are splits)								
No identif. AB in Acc. mm.:	Yes (No identified AB in AM)								
No identif. AB in own HLA:	Yes (No identified AB in own HLA)								
Consistent Sero/Geno HLA:	Yes (Consistent Sero/Geno HLA)								
Own HLA typing as Acc. mm.:	Yes								
All HLA checked:	Yes (All HLA checked)								

The list of DBP1 acceptable mismatch is in line with what is found on the Luminex beads.

To extend the possibility to add additional acceptance of DPB1 antigens, it will be possible to extend DPB1 acceptance with the following two options:

O: Accepts own HLA-DPB1 antigens (by selecting this also own antigens that are not present on the beads will be acceptable, an example could be that the recipient is DPB1\*02:02 and you wish to accept donors with this antigen)

A: Accepts all HLA-DPB1 antigens (by selecting this all donor HLA-DPB1 antigens are regarded as acceptable)

**Additional feature for HLA-DPB1**

Date of acceptance:	Status:	Sign up:
24-Oct-2022	A: Active	Y: Yes
Acceptable mismatches		
HLA-A:	11,29,30,31,36,43,74,80	
HLA-B:	8,22,42,54,55,56,65,67,82	
HLA-Cw:	1,2,3,4,5,6,7,8,9,10,12,14,15,16,17,18	
HLA-DR:	1,2,3,7,10,11,12,13,14,15,16,17,18,103	
HLA-DQ:	1,2,4,5,6,7,9	
HLA-DP:	0101,0201,0301,0401,0402,0501,0601,0901,1001,1101,1301,1401,1501,1701,1801,1901,2001,2301,2801	
HLA-DRB3/4/5:	3*01,3*02,3*03,4*01,5*01,5*02	
HLA-DQA:	01,02,04,05,06	
HLA-DPA:	01,02,03,04	
Additional acceptable HLA-DPB1 antigens:	<input type="button" value="D: Own HLA-DPB1 antigens"/> <input type="button" value="A: Own HLA-DPB1 antigens"/>	

### Registration of willingness to accept other blood type groups

## Add additional acceptable ABO blood group(s) for pending payback

Through the 'Payback status' menu it is now possible for the center that have a pending payback to add additional acceptable blood groups.

The registration is reflected in the overview as 'AB0, acceptable' both through 'Payback status' and on the deceased donors in the payback overview.

Donor nu...	Date of d...	Age	AB0, obli...	AB0, acce...	Procuring...	Credit (pa...	Owe (org...	Graft type	Cause of ...	Pe
99645	25-Oct-20...	36	0	A	TA: Tartu	TA: Tartu	OD: Ode...	KR: Right...	1: Exchan...	

It is optional to offer payback for these additional blood groups.

### Announcement and display of AB0 liver exchange wishes

## AB0 liver exchange

### Announcement

At the NLTG meeting in October 2022, it was requested to have an option for a center to announce that they would like to receive livers in a specified blood group and payback with a liver in another specified blood group. This has now been implemented in YASWA with a new menu under Donor called "AB0 liver exchange". Here each liver center can register, which blood group(s) they would like to offer (see "Receive offer") and which blood group(s) they would like to payback with (see "Payback with").

You add new announcements to the list by clicking 'Add new'.

All active wishes from all centers is displayed on the list.

### Check the status for ABO blood group distribution on the liver waiting list

It is possible to see the current status of ABO blood group distribution on the liver waiting list for each center by clicking on "Status" in the top right corner.

## ABO blood group distribution on the liver waiting list

Status 02 February, 2023, 10:41 UTC

### Recipients active on the waiting list for each center

	O	A	AB	B	Sum
CP	20	6	1	1	28
GO	20	6	0	11	37
HE	5	1	1	3	10
OS	28	9	0	4	41
ST	11	5	0	7	23
TA	1	0	0	4	5
Sum	85	27	2	30	144

### Recipients active on the waiting list for each center in percentage

	O	A	AB	B
CP	71.4%	21.4%	3.6%	3.6%

### Agreement of ABO liver exchange

When two centers have agreed to make a ABO liver exchange a new liver export cause must be selected '12: ABO organ exchange' along with what blood group the payback must be done with.

This registration is done by the initial export/donor center under liver procurement:

### Registration of the ABO liver exchange

This ABO selection will overrule the initial donor ABO and be shown as ABO, obligatory.

Thus it is obligatory to offer payback in this specific blood group.

## HLA antibodies identified within the latest year

On recipients within the tab 'Antibody screen test' an additional display has been introduced that includes antibodies specificities defined within the last year. Transplantability scores based on this new summary have also been added.

### New display of HLA antibodies identified within the last year

Basic info	Clinical data	Address/Phone	HLA Typing	Antibody Screen Test	Fusion	Acceptable Antibodies	Previous Mismatches	Status
<p>Total, antibody summary (Serological/serological equivalent): A:2,3,11,23,24,25,26,29,(31),32,(33),34,(43),66,68,69,74,(80) B:7,13,27,(35),37,38,39,41,42,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,67,71,72,73,(75),76,77,81,82 Cw:1,2,(9),14,17 DP:1,2,3,4,5,6,9,10,11,13,14,(15),17,18,19,20,28,0201,0402 DQ:4,5,6,7,8,9 DR:1,103,4,7,8,9,10,11,12,13,14,15,16 DRB3/4/5:4,5</p> <p>Calculated combined PRA: 100 % Immunization: HI: Highly immunized</p> <p>Estimated transplantability score based on latest antibody screen test</p> <p>Compatible ABO: 0.20 % Identical ABO: 0.20 %</p>								
<p>Within latest year, antibody summary (Serological/serological equivalent): A:2,3,11,23,24,25,26,29,32,34,66,68,69,74 B:7,13,27,37,38,39,41,42,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,67,71,72,73,76,77,81,82 Cw:1,2,14,17 DP:1,2,3,5,6,9,10,11,13,14,17,18,19,20,28,0201,0402 DQ:4,5,6,7,8,9 DR:1,103,4,7,8,9,10,11,12,13,14,15,16 DRB3/4/5:4,5</p> <p>Estimated transplantability score based on antibodies specified within the latest year</p> <p>Compatible ABO: 0.15 % Identical ABO: 0.15 %</p>								

Based on antibodies defined within the latest year an additional 'DSA, year' column has been added in the kidney recipient search overview.

Calculated Bw: [Click to calc.](#)

HLA-search: A\*1,2;B\*8;C\*7;DRB1\*17;DPB1\*0101,0401;DRB345\*3\*01;DQA1\*05;DPA1\*01,02;DQB1\*2;Bwv6

No extra filters added ...



	Pri...	AM...	Sc...	Rec...	Sur...	Firs...	Age	Wai...	Tx...	Im...	ABO	AB ...	DR ...	DQ ...	DS...	DS...	Xm...	CMV	HCV	HB...	Pre...	Type	AM...
→	1	450...	204...	TA	Ma...	Heiki	48	7	2	HI	A	0	0	0	00:	00:	+	-	-			KI	S
→	1	430...	162...	GO	Al S...	Ranin	25	16	2	HI	A	0	0	0	00:	00:	Donor Specific HLA Antibodies within the last year						S
→	3	0	146...	OS	Joh...	Rune	44	25	3	I	0	0	0	0	00:	00:	+	-	-			KI	
→	5	0	123...	GO	Auno	Bo	49	85	1	PI	0	0	0	0	01:...	00:	+	-	ND			KI	
→	5	0	206...	OS	Olsen	Mor...	34	16	1	NI	0	0	0	0	00:	00:	+	-	-			KI	

## DQ mismatches in kidney recipient search

Display of board level HLA-DQ mismatches have been included in the kidney recipient search overview and also as a filter option.

Calculated Bw: [Click to calc.](#)

HLA-search:



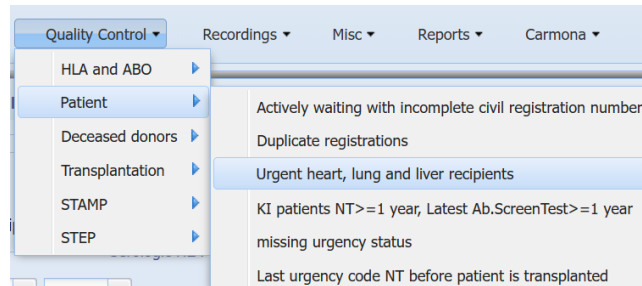
No extra filters added ...

	Pri...	AM...	Sc...	Rec...	Sur...	Firs...	Age	Wai...	Tx...	Im...	ABO	AB ...	DR ...	DQ...	DS...	DS...	Xm...	CMV	HCV	HB...	Pre...	Type	AM...	
→	1	450...	204...	TA	Ma...	Heiki	48	7	2	HI	A	0	0	0	00:	00:	+	-	-			KI	S	
→	1	430...	162...	GO	Al S...	Ranin	25	16	2	HI	A	0	0	0	00:	00:	Donor Specific HLA Antibodies within the last year							S
→	3	0	146...	OS	Joh...	Rune	44	25	3	I	0	0	0	0	00:	00:	+	-	-			KI		
→	5	0	123...	GO	Auno	Bo	49	85	1	PI	0	0	0	0	01:...	00:	+	-		ND		KI		
→	5	0	206...	OS	Olsen	Mor...	34	16	1	NI	0	0	0	0	00:	00:	+	-	-			KI		

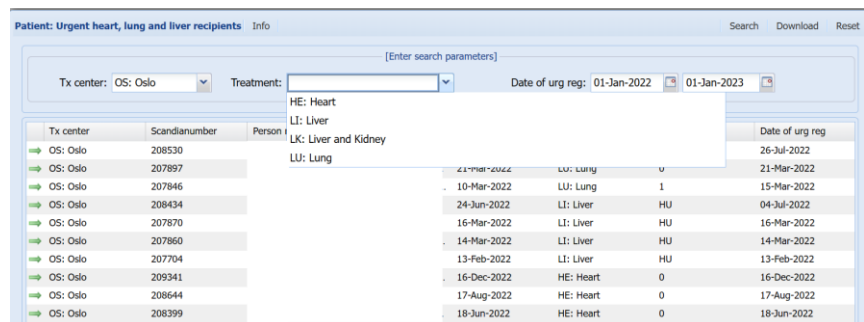
## QC which brings forward recipients that have been listed as urgent

Through the menu below it is now possible to bring forward heart, liver and lung recipients from your own center that have been listed on the urgent list for a specified time period.

*Find recipients that have been urgent listed*



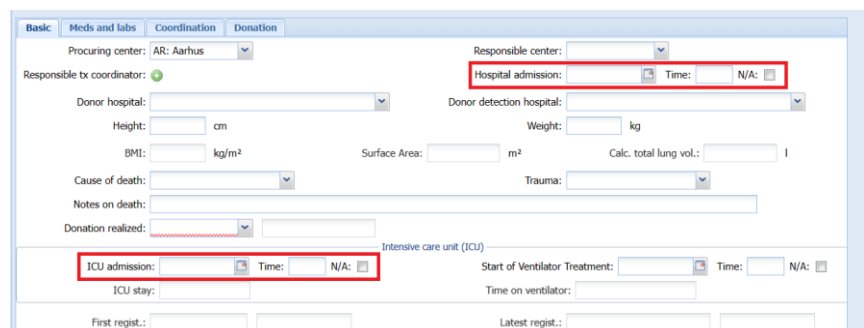
You can defined treatment type and specify the period you wish to look at.



## New field for hospital admission

A new field called 'Hospital admission' has been added to the Basic tab under deceased donor registration.

*Register date of hospital admission*



## Change in deceased donor Allocation tab

### Organ allocation

In deceased donor under 'Allocation' the list of organ names has been slightly altered. Right Kidney and Left Kidney have been renamed to Kidney 1 and Kidney 2, while Left Lung and Right Lung have been renamed to Lung 1 and Lung 2.

*The organ list under Organ Allocation has been slightly updated*

The screenshot shows the 'Organ Allocation' interface. At the top, there are tabs for 'Info', 'Back', 'Save', 'Reset', and 'Allocate next'. The 'Donor information' section includes fields for Donor number (100037), Donor name, Hospitalized in (DK: Denmark), Person number (300123), Last changed, and Procuring center (AR: Aarhus). Below this, the 'Organ type' dropdown menu is open, showing a list of organ types: Heart/Lung Block, Pancreas, Liver, Other Organ, Double Kidney, Double Lung, Heart, Single Lung 2, Single Lung 1, Kidney 2, Kidney 1, and Pancreatic Islets. The 'Organ to center' section is also visible, showing a list of organs with checkboxes. The 'Final decision, receiving ce' section is partially visible.

### Exchange options

Please know that the list of exchange options is not made until you enter the 'Allocation' tab, this means that when you enter the tab you might experience a small delay before the list is displayed.

When have done this to improve the general performance in the deceased donor part.

## New reports, payback overview

Under 'Reports' -> 'More...' two new reports have been introduced: 'Payback balance and details, kidney' and 'Payback balance and details, liver'. The reports brings forward an over all balance and details about pending paybacks in relation to own center.

### Kidney

06 February, 2023, 09:49 UTC - Aarhus

#### Current payback balance

	AR	CP	GO	HE	ML	OS	TA	UP	sum
AR	0	0	0	1	1	1	0	0	3
CP	2	0	2	3	0	1	0	1	9
GO	0	0	0	1	0	0	1	0	2
ML	0	0	8	0	0	1	0	0	9
OD	1	0	0	1	1	0	2	0	5
OS	0	0	2	1	0	0	0	0	3
ST	0	1	2	0	1	0	2	1	7
TA	0	2	1	1	0	1	0	0	5
UP	0	0	1	1	0	2	0	0	4
sum	3	3	16	9	3	6	5	2	47

\* Dynamically updated, only includes centers that owes or needs payback

#### Details on pending paybacks, owe(s)

Days pending for payback	Owe - payback from	Credit - payback to	Donor number	Age	AB0	Original cause of exchange
173	AR	OS	99381	61	0	Exchange obligation urgent/match
120	AR	HE	99584	61	0	Exchange obligation urgent/match
46	AR	ML	99877	45	A	Exchange obligation urgent/match