



News from Scandiatransplant office

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Introduction

Update

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- Minor changes in Deceased Donor

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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STAMP policy changes

New inclusion criteria

From February 1st 2022 the STAMP inclusion criteria will change from ABO identical TS ≤ 2 to a combination of ABO identical TS ≤ 2 and ABO compatible TS ≤ 3.

The additional criteria has been added in the STAMP QC tab and will also be included in evaluation e-mail to the STAMP committee

STAMP new inclusion criteria effective from February 1st 2022

Allocation of kidneys when there is more than one prio. 1/ STAMP exchange obligation

If there is more than one priority 1 STAMP candidate when doing the search for kidney exchange obligations it will be obligatory from February 1st 2022 to prioritize in the following order:

1. Lowest TS, ABO compatible
2. ABO identical recipients
3. Same country as donor
4. Longest waiting time

STAMP new prioritization effective from February 1st 2022

The listed priority of STAMP patients in YASWA will be sorted by an auto-calculating of an AMP-weight-score

Pri...	AMP-sc...	Sc.No	Rec...	Surname	First na...	Age	Wai...	Tx...	Im...	ABO	AB ...	DR ...	DSA	CMV	HCV	HB...	Pre...	Type	AM...	Inc...
1	6050.79		GO	Surnam...	First na...	47	79	2	HI	0	2	1	00:	+	-	-		KI	S	
1	6050.19		OD	Surnam...	First na...	41	19	2	HI	0	2	1	01:...	+	-	-		KI	S	
1	6001.77		OS	Surnam...	First na...	44	177	2	HI	B	2	1	01:...	+	-	-		KI	B	
1	6000.42		CP	Surnam...	First na...	44	42	2	HI	A	1	0	01:...	ND	-	-		KI	S	
1	5975.43		ST	Surnam...	First na...	55	43	1	HI	0	2	0	00:	+	-	-		KI	S	
1	5925.46		UP	Surnam...	First na...	59	46	4	HI	B	2	1	01:...	+	-	-	BB	KI	S	
1	5700.31		HE	Surnam...	First na...	72	31	3	HI	B	2	0	00:	ND	ND	ND		KI	S	
1	5675.11		UP	Surnam...	First na...	52	11	1	HI	0	1	1	00:	+	-	-		KI	S	
1	5550.16		CP	Surnam...	First na...	44	16	1	LI	0	1	1	00:	+	ND	-		KI	S	
1	5125.82		ML	Surnam...	First na...	57	82	4	HI	B	0	1	00:	+	-	-		KI	B	

The AMP-score is a weight factor to sort and priorities the patients after, so that the centers don't have to go though the prioritization manually.

STAMP guidelines

The STAMP guidelines have been updated according to the described changes and the updated version is found on the homepage:

http://www.scandiatransplant.org/organ-allocation/Manual_STAMP_9.1.pdf

Multiple graphical curves on deceased donor measurements

Graphical display of development

With the release today it is now possible to select more than one value in the blood pressure and the lab test grid and get a graphical overview of the development of more parameters at the same time.

In the 'Graph-var.' field you select the combination of parameters that you wish to look at:

Date of measurement	Systolic blood pr...	Diastolic blood p...	MAP	Pulse rate	Diuresis	Graph-var.:
13-Jan-2022 08:30	132	49	74	100	400	Systolic blood pressure
12-Jan-2022 19:00	131	49	72	98	195	Diastolic blood pressure
12-Jan-2022 12:00	120	55	70	100	195	MAP

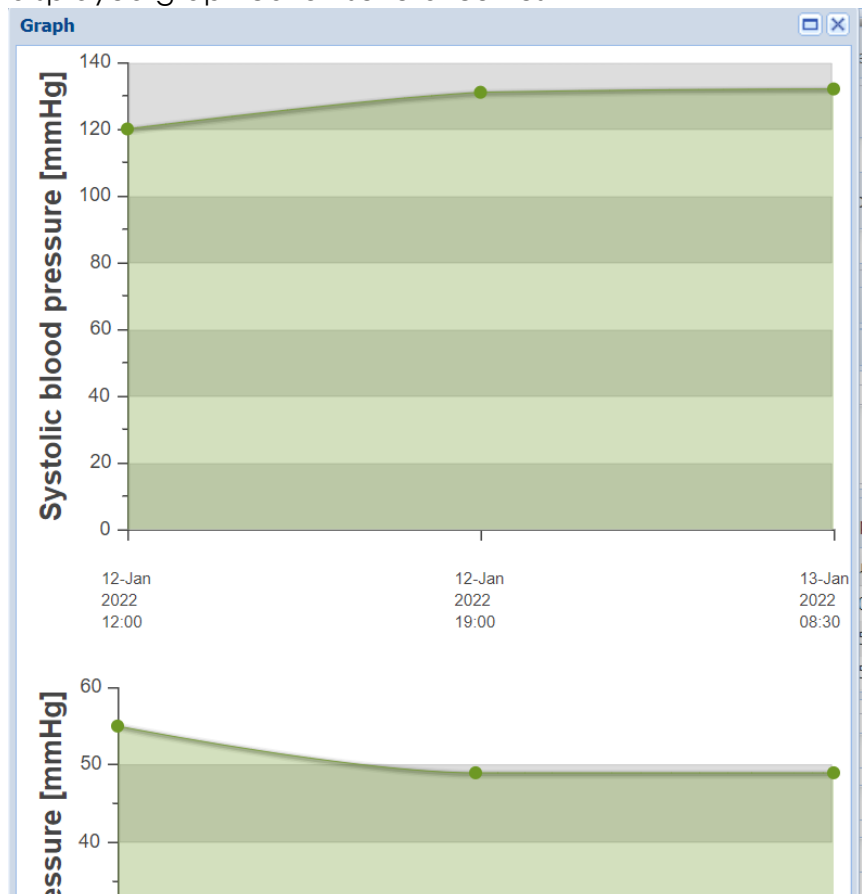
Cardiac conditions

Cardiac arrest: Y: Yes
Hypotensive period: N: No

Cardiac arrest duration/comment: 30
Hypotensive duration/comment:

Graph-var.: **Systolic blood pressure**

Followed by a click on 'Show' the development will be displayed graphical on several curves



**Deceased donor tabs
New layout**

Deceased donor tabs, change in layout

Especially in deceased donor there are very many tabs, we have tried to make the headers short, but still a lot of scrolling has to be done and it doesn't provide an optimal overview.

A new layout is now introduced with 6 main tabs and additional sub-tabs underneath.

The screenshot shows the 'deceased donor registration' interface. At the top, there are fields for Donor number, Sex (M: Male), Hospitalized in (N: Norway), Person Number, Citizenship of (N: Norway), Birth-date, Age in years at donation, Donor name, and Temporary ID. Below these are 6 main tabs: Basic, Meds and labs, Coordination, Donation, Files, and CT study. Under the 'Meds and labs' tab, there are sub-tabs: Med current, Med history, Lab test, Gas & vent, Infection, and HLA. The 'Med current' sub-tab is active, showing 'Donor medical info current' and a table of current medical history. The table has columns for Date of measurement, Systolic blood pr..., Diastolic blood p..., MAP, Pulse rate, Diuresis, and Temperature. A row shows data for 11-Jan-2022 06:00 with values 115, 61, 76, 108, and 70.

This will be challenging in the beginning for the user working a lot in the deceased donor part, but we hope that it will give a better overview.

**Lab. values in the
liver registry**

Lab. values with more than one unit, now also added to the liver registry

In the last update we introduced a change so that for lab. test having more than one unit only the field with the unit used locally is writeable.

This change has now also been applied in the liver registry.

The screenshot shows the 'Laboratory test' tab in the liver registry. It lists various lab tests with input fields and checkboxes for units. The tests and their units are: Hemoglobin (mmol/l, g/L), Thrombocytes (*10^9/l), INR (N/A), ASAT (µkat/l, U/l), ALAT (µkat/l, U/l), Albumin (µmol/l, g/l), Na (sodium) (mmol/l), Bilirubin (µmol/l), Creatinin (µmol/l), Urea in plasma (mmol/l), and Dialysis (dropdown menu).

Automatically calculation of waiting time

On all waiting list entries the waiting time 'active' and 'on hold' in days is now automatically calculated and displayed

Display of waiting time in days

The screenshot shows the 'Waiting list information' form. The 'Generic data' section includes fields for Scandia Number, Surname, Date of entry, Waiting list type (KI: Kidney), Urgency (T: Transplantable), Future Withdrawn from, Date of first urgency, Transplant center (ST: Stockholm), Immunization (I: Immunized), STAMP Sign Up (N: No), Future Withdrawn to, Date of last urgency, Treatment/dialysis center (AF: HUDDINGE, Dialysavd/I), Date of last change of Immunization (17-Nov-2021), and STAMP Status (I: Inactive). The 'Specific data' tab is selected, showing 'Time active: 1440 days' and 'Time on hold: 245 days' highlighted with a red box. Below this is a table of urgency codes and dates.

Urgency Code	Date of Reg.	User of Reg.
→ T: Transplantable	09-Oct-2019 02:00	
→ NT: Temporarily not transplantable	14-Feb-2019 01:00	
→ T: Transplantable	19-Jun-2018 02:00	
→ WU: Temporarily withdrawn until specified date	11-Jun-2018 02:00	
→ T: Transplantable	14-Jun-2017 02:00	

Inconclusive results of HLA antibody specificities

On some samples unpecific reactions makes it impossible to concluded the specificities of HLA antibodies.

On the recipient in the Antibody Screen Test tab you are now able to state if a conclusion was not possible on the specific sample.

Antibody screen test with inconclusive results

The screenshot shows the 'Antibody Screen Test' form. It includes fields for Scandia number, Surname, Date of serum sample (17-Nov-2021), Last FUSION update (23-Nov-2021), Class I and II percentages, Determination Method CI I (LUMI), and Determination Method CI II (LUMI). The 'Inconclusive HLA specificities' dropdown is set to '1: HLA class I'. The 'Serological HLA antibodies' section shows 'Genos: 2: HLA Class II' and 'A: 3: HLA Class I+II'. The 'DR' field is set to '17,18'.

Information from latest sample will be displayed on the Kidney recipient result list

The screenshot shows a table of kidney recipient results. The table has columns for Ptl., AM., Sc.No., Rec., Surname, First Name, Age, Wbl., Tx., Im., ABO, AB, DR, DSA, CMV, HCV, HB, Pre., Type, AM, Inc. The row for recipient 71 is highlighted, with a red box around the 'Inc.' column value '1'. A tooltip above the row reads 'Inconclusive HLA specificities in latest sample'.

Ptl.	AM.	Sc.No.	Rec.	Surname	First Name	Age	Wbl.	Tx.	Im.	ABO	AB	DR	DSA	CMV	HCV	HB	Pre.	Type	AM	Inc.
7	0					61	7	1	HI	AB	2	1	01...	-	-	-	-	KI		
7	0					58	65	2	I	AB	2	2	04...	+	-	-	-	KI		
7	0					70	37	1	LI	AB	2	2	00...	+	-	-	-	KI		
7	0					58	13	1	LI	AB	2	2	01...	+	-	-	-	KI		
7	0					30	70	2	HI	AB	3	2	09...	+	-	-	-	B7...		
7	0					24	55	2	I	AB	3	2	05...	+	-	-	-	A30	KI	L
7	0					52	7	2	LI	AB	3	2	01...	+	-	-	-	B7...		
7	0					71	4	1	LI	AB	3	2	00...	+	-	-	-	KI		1

Living other donor + autologous tx

A new menu has been added to the Living donor menu

Living donor ▾ Quality Control ▾

- Living liver donor basic
- Living kidney donor basic
- Living kidney donor follow up
- Living other donor + autologous tx**
- Reports...

This menu makes it possible to access 'domino' heart transplantations, add living donor uterus and autologous islet transplantations.

Functional warm ischemia time

Functional warm ischemia time (fWIT) is automatically calculated and displayed on cDCD donors in YASWA when time for the different events have been entered.

The calculated values are now also displayed both in 'Transplantation' and relevant registries together with the other ischemia times.

Additional display of fWIT

Transplantation Info Back Save Reset

Recipient

Scandianumber: Person number:

Recipient name: Waiting list center: UP: Uppsala Waiting list: KI: Kidney

Country: Country: S: Sweden

Donor

Donornumber: Person number:

Donor name: Donor type: N: Deceased donor

Country: S: Sweden Procuring center: UP: Uppsala

Transplantation Ischemia time Organ HLA HLA match grade Post tx infection

Cold ischemia time (DBD/DCD): 10 hours 40 minutes

Functional warm ischemia time (DCD): hours minutes

Calculated ischemia time: 10 hours 39 minutes

Calculated functional warm ischemia time: 0 hours 16 minutes

Ex Vivo Machine perfusion: ▾

Minor changes in Deceased Donor

Responsible center

Previously the field was read-only, this has now been changed. The field is still obligatory, but needs to be entered and can be changed.

Blood pressure

The grid to enter blood pressure information has been relocated from the bottom of the 'Med current' tab to the top, as data entry was often missed.

Urea

Urea has been added as a new test in the 'Lab test' part

Consent with exception(s)

If consent is given with exception to specific organs this can now be registered in the 'Coordination' tab under consent. Furthermore a new general 'Remarks' field is now available at all times in relation to consent.

Organ form

The printout of the organ form from the 'Allocation' is still under construction, however now units and default printout as portrait have been added.

More work on the deceased donor part
