



## News from Scandiatransplant office

November 2017

### Introduction

#### Headlines

- Kidney recipient search - Broad and narrow HLA on deceased donors
- Additional variables in Liver Registry (NLTR)
- Donor pool update
- Definition of TS and combined PRA
- ABO rules - LAMP
- Deceased donor liver/pancreas quality evaluation

---

*Database update  
today  
November 1, 2017*

---

All previous newsletters can be found on the Scandiatransplant web page

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

#### Content

- 1 Introduction and purpose
- 2 Kidney recipient search - Broad and narrow HLA on deceased donors
- 2 Additional variables in Liver Registry (NLTR)
- 3 Donor pool update
- 3 Definition of TS and combined PRA
- 3 ABO rules – LAMP
- 3 Deceased donor liver/pancreas quality evaluation

### 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.

Scandiatransplant  
Aarhus Universitetshospital, Skejby  
8200 Aarhus N  
Denmark

[www.scandiatransplant.org](http://www.scandiatransplant.org)

**Serological HLA with precedence**

## Kidney recipient search - Broad and narrow HLA on deceased donors

Search for suitable kidney recipient has been modified so that if B\*14, B\*15, B\*40, C\*03, DRB1\*03 and DQB1\*03 is registered the system will look for matching serological value and use the value when searching.

Example with B\*40/B60 and C\*03/Cw10

The 'HLA-search' line will always display the actual HLA used to bring forward the recipient result list. 'HLA-search' is blank until you press search, if you alter HLA search types, you must press search again.

Additionally the result pdf, not only displays the HLA types used in the current search

**Search**

Donor	_____	Donor number	9
Recipient Center	AR	Date of birth	_____
HLA-search	A*1,2:B*60,44:C*10,5;DRB1*4,13;DQB1*7,6;Bww4,w6		
Recipient filters	_____		

**Change in kidney search report**

And not all tissue types registered in search screen

**Search**

Donor	_____	Donor number	9
Recipient Center	AR	Date of birth	_____
HLA-search	A*1,2:B*60,44:C*10,5;DRB1*4,13;DQB1*7,6;Bww4,w6		
Recipient filters	_____		

  

Serologic HLA		Genomic HLA	
A	B 02,60	A	02 B
Cw	10,9 Bw4/Bw6 w6	C	Bw4/Bw6 w6
DR	DQ 7,4	DRB1	04,11 DQB1 03,04

**Ongoing adjustments in NLTR**

## Additional variables in Liver Registry (NLTR)

New variables have been added in NLTR to comply with future data exports to ELTR. The new variables are GFR, HDV: Hepatitis Delta Virus (antibody), Steatosis, Na(sodium), cold/warm ischemia time, graft weight.

---

### New and improved donor pool

---

---

### New document with definitions

---

---

### New ABO rules in LAMP recipient search

---

---

### Organ quality evaluation

---

## Donor pool update

The donor pool that forms the basis of calculating Transplantability Score (TS) in STAMP and the combined PRA has been updated. The donor pool now contains 2000 donors with much more complete HLA typings. TS on all patients with an active STAMP/LAMP record was re-calculated right after introducing the new donor pool.

## Definition of TS and combined PRA

A new document defining what TS and combined PRA is and how the values are calculated has been made and is now available on the [homepage](#)

## ABO rules - LAMP

At the Tissue Typers meeting held September 22<sup>nd</sup>, 2017 It was decided that ABO rules for LAMP (prio. 6) should be the same as for the list of own recipients (prio. 7). (ABO identical -> ABO compatible). This change has now been introduced.

## Deceased donor liver/pancreas quality evaluation

A new 'Organ QC' tab has been introduced in deceased donor, which evaluates liver and pancreas quality based on the predefined criteria and data registered in YASWA.

Green: Criteria fulfilled  
Orange: Criteria not fulfilled  
White: Unknown – data is missing

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

Donor number: 2 Sex: M: Male  
Hospitalized in: S: Sweden Birth-date: 12-Dec-1972 Person Number: 721212 Citizenship of: S: Sweden Age in years at donation: 43  
Donor name: Name: T.

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

Liver QC

Paediatric liver  
Age < 18: No (age: 43)

Splittable liver  
Age < 51: Yes (age: 43)  
BMI < 26: Yes (BMI: 25)  
Days in ICU < 4: No (Days in ICU: 4)  
ALAT (at admission) < 3\*70 U/L: Yes (ALAT at admission: 25)  
ASAT (at admission) < 3\*45 U/L: Yes (ASAT at admission: 26)  
ALAT (latest) < 3\*70 U/L: (Latest ALAT: unknown)  
ASAT (latest) < 3\*45 U/L: Yes (Latest ASAT: 42)

Normal liver  
Age <= 65: Yes (age: 43)

Pancreas QC  
Age < 51: Yes (age: 43)  
BMI < 30: Yes (BMI: 25)