



News from Scandiatransplant office

September 2021

*Database update
Sept. 1st, 2021*

Introduction

Headlines

- Extension of deceased donor variables in YASWA – part 3
- Time limit – storage of files in YASWA
- Patient survival date

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

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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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Extension of deceased donor variables in YASWA – part 3

Today 3rd part of the changes related to the deceased donor variable project is launched, this time it is only a small update.

New fields are mainly information on Retrieval team, Preservation fluid batch numbers and Microscopy of urine sediment.

Furthermore preservation fluid information has been moved from each organ located directly in the 'Organ proc' tab.

DD project part 3, minor update

The screenshot shows the 'Organ proc.' tab in the YASWA system. It contains several sections:

- Medication during organ procurement:** Fields for Heparin (units), Mannitol (ml), Glucocorticoids (mg), and Other.
- Retrieval team:** Fields for Abdominal surgeon, Thoracic surgeon, Other members, Visiting surgeon, and Visiting other, along with Assistant surgeon and Other members fields, and 'From' dropdowns for the latter two.
- Preservation:** Fields for Preservation fluid (abdomen, heart, lung) and Perfusion volume (ml) and Quality of perfusion for each.
- Batch numbers:** A table with columns for Preservation fluid and Batch number.

In the 'Infection' tab 'Being analysed' has been added for each parameter, this to be able to state that an answer is on the way.

The screenshot shows the 'Infection tests' tab in the YASWA system. It displays a table of infection codes and their results:

Infection code	Result
CMV: Anti-CMV (Cytomegalovirus)	+: Positive
CovAb: Anti-SARS-CoV-2 (Covid-19 antibody)	ND: Not done
CovId: SARS-CoV-2 RNA (Covid-19)	ND: Not done
EBV: Anti-EBV IgG (Epstein-Barr)	BA: Being analysed
HBc: Anti-HBc (antibody)	-: Negative
HBsAb: Anti-HBs (antibody)	+: Positive
HBsAg: Hepatitis Bs antigen	?: Doubtful
HCV: Anti-HCV (antibody)	ND: Not done
HCVAg: Hepatitis C antigen (RNA)	BA: Being analysed
HDV: Hepatitis Delta Virus (antibody)	NU: Not done
HIVab: Anti-HIV (antibody)	-: Negative
HIVAg: HIV antigen	-: Negative
HSV: Anti-HSV (antibody)	ND: Not done
LUIS: Syphilis antibody	ND: Not done
MV: Anti-MV IgG (Morbill virus antibody)	ND: Not done
TOXD: Toxoplasma antibodies	ND: Not done
VZV: Varicella zoster virus	ND: Not done

Below the table is an 'Infection comments:' field.

You will also see that the tabs have changed order and that the tab texts have been shortened to avoid too much scrolling.

Time limit – storage of files in YASWA

In the last newsletter we presented a suggestion in relation to file storage time. We have received no negative response on this, so we will continue with the suggested solution:

Storage time on uploaded files

- **Default setting** is that all uploaded files on living and deceased donors are **deleted 6 months** after they were uploaded
- A **new 'Never delete this file'** check box will be added. If the box is ticked off the file will not be deleted. If the tick is removed and the file is more than 6 months old it will be deleted.
- **Files above 5MB will only be stored for 1 month**, it will not be possible to use the 'Never delete this file' function. (Most of the uploaded files on deceased donors are between 20-700KB in size, so this is mainly related to the CT scans shared on STEP donors)

Patient survival date

The existing 'Death' tab on recipients have been renamed to 'Status' and in top you now see a new date field called 'Last survival checked'.

The new field is automatically updated when follow up data is entered in the registries and when patient waiting list information is updated.

Additionally the field can be updated manually when patient survival is quality checked.

The plan is to develop center specific survival quality control lists, but also to include the information in relevant extractions.

Over time the goal is to improve the quality of data used for survival analysis.

Improve data quality

The screenshot displays the 'Recipient information' form in the YASWA system. The form is divided into several sections. The top section contains fields for Scandia Number, Nationality (DK: Denmark), Sex (F: Female), Date of Birth, Surname, Person Number, and First Name. Below this is the Transplantation History field (0)KI; LI; PA; IT; HE; LU; CO; and the Recipient Status (ALIVE). The Waiting list status is N: Notified, the Waiting list type is KI: Kidney, and the Urgency is T: Transplantable. The First regist. date is 20-Aug-2021 and the Latest regist. date is 23-Aug-2021. The bottom section, titled 'Last survival information', contains the 'Last survival checked' field (23-Aug-2021) and the 'Recipient Death' section with a 'Cause of Death' dropdown menu. The form has tabs for 'Basic info', 'Clinical data', 'Address/Phone', 'HLA Typing', 'Antibody Screen Test', 'Fusion', 'Acceptable Antibodies', 'Previous Mismatches', and 'Status'. Navigation buttons for 'Back', 'Save', 'Reset', and 'Print' are located in the top right corner.