

Minutes
Tissue Typers Meeting (hybrid meeting)
Copenhagen, September 9, 2022

1. Helle Bruunsgaard welcomed the participants, followed by a short presentation of all participants (on-site or on-line), please find below a list of participants. All centers were represented.
2. Helle Bruunsgaard was elected chairman of the meeting and Anne Hauge was appointed secretary
3. The circulated agenda was slightly adjusted due to acute illness of one of the speakers and a late incoming suggestion.
4. Nordic Kidney Group (NKG) Meeting planned for November 16, 2022, in Copenhagen: Anne Hauge will report suggestions from the Tissue Typers (TT).
5. Council of Representatives Meeting: Kaie Lokk will report at the upcoming meeting.
6. News from Scandiatransplant including presentation of data from the STEP-program and from the newly published article: "Scandiatransplant acceptable mismatch program - 10 years with an effective strategy for transplanting highly sensitized patients" (Ilse Weinreich):

Developments in STAMP:

- In February 2022, an obligatory order of priority in situations with more than one priority 1 STAMP candidate was introduced.
- Change in STAMP inclusion criteria from ABO identical $TS \leq 2$ to a combination of ABO identical $TS \leq 2$ and ABO compatible ≤ 3 was also introduced in February 2022.
 - Discussion: NKG has questioned the combined inclusion criteria. After a short discussion in the TT group, it was decided to support a potential decision in NKG of only one inclusion criteria, which will be: **ABO compatible $TS \leq 2$** . If the change is implemented patients already in the program should stay in the program.

Developments in STEP:

- It is now possible to define non-acceptable antigens to try to overcome the problems with "non-beads" in the Luminex assay.

Suggestions from participants to changes in YASWA:

- STAMP (Mats): Could the patient's own HLA type **not** by default be acceptable? Ilse thinks this is possible.
- STEP (Mats): Would it be possible to get an overview of latest antibody screening of participating pairs in the QC? Ilse will look into this.

Antibody screening of patients participating in STEP:

- Consensus in the TT group that the latest antibody screening of the participating patients must be less than 3 months old. The STEP steering committee will process this suggestion.

Reporting of antibody screening results in YASWA:

- Centers report very different. Would it be possible for all centers to import data from FUSION? NKG would like standardization to enable better overview of data. Finland and Norway do not import Fusion data to YASWA on all patients at the moment.
- It was suggested to make a survey on the current procedures and try to make some common guidelines of how and what to report. No decision was made.

Transfer of data to YASWA (Immucor):

- Ilse and Immucor are working on a solution for electronic transfer of data from MatchIT! to YASWA.

Second opinion on STAMP patients (quality assurance project):

- It was suggested to establish a revision board that could meet online to discuss possibilities for the patients with a low TS and long waiting time. No decision was made.
- Eurotransplant are willing to evaluate the most difficult STAMP patients according to the Eurotransplant algorithm for highly sensitized patients using their platform for antibody screening. Mats has the contact to Eurotransplant and he will be willing to forward samples on the selected patients to Eurotransplant.
- **Within the next two weeks** each center should report back to Ilse whether they will participate in the project or not. Some centers may need to discuss this with the clinical department and/or perhaps a local legal councilor.

7. “Highly sensitized thoracic patients” (Ann-Sofie Liedberg)

Highly sensitized thoracic patients were the subject of an on-line meeting in February 2022 for centers in the Scandiatransplant performing heart and/or lung transplantations. The different approaches in each center to these patients were discussed at this meeting and Ann-Sofie presented a summary including following subjects for discussion:

- Acceptable mismatch program for thoracic patients?
 - The idea of exchange of organs to highly sensitized patients was supported. Could be as STAMP (which is already a possibility in YASWA) or a new category on the list of priorities.
 - It should be the transplant center that defines acceptable mismatches.

- Helle Bruunsgaard and Ann-Sofie Liedberg will prepare a suggestion to present for the heart and lung group.
 - Guidelines for highly immunized thoracic patients?
 - The TT group found that this was not needed at present.
 - Documented agreement for crossmatch on sent-out sera in donor center?
 - Agreement on TT meeting:
 - Samples sent out must include a cover letter including CDC (+/- DTT)/C1q results for the sample to make it easier to interpret a CDC crossmatch result.
 - Donor center pays for the crossmatch.
 - It is the tissue typer on call in the transplantation center that makes the interpretation of a virtual crossmatching
8. “IdeS a new tool for rapid desensitization in kidney transplant recipients” presentation by Mats Bengtsson). The history/development of IdeS and conclusions from clinical trials were presented.
 9. “Overview on Nanopore and HLA typing” presentation by Frederikke Byron Petersen
 - Tissue Typer experiences in Scandiatransplant: It is only Uppsala and Aarhus who have tested the Nanopore HLA kit from Omixon. The conclusion was that the kit is too slow to be used for deceased donors at the moment.
 10. “Screening intervals and post-TX monitoring” presentation by Bjarne Møller. Bjarne showed data on the stability of profiles and effect of preformed and de novo DSA and he raised the question if we should reduce the pre-tx screening and do more post-transplant monitoring? It was decided that Bjarne will be head of a working group, which will include Jouni as a member, and they look forward to welcoming more members.
 11. Next meeting will be in Oslo.

List of meeting participants:

Name	Center
Jan Holgersson	Göteborg
Dunia Azem	Göteborg
Dace Abele	Göteborg
Ann-Sofie Liedberg	Lund
Magnus Jöud	Lund
Margareta Leeman	Lund (online)
Bjarne Møller	Aarhus
Carina Knutson	Uppsala
Mats Bengtsson	Uppsala
Jouni Lauronen	Helsinki (online)
Juha Perasaari	Helsinki
Kaie Lokk	Tartu
Christian Naper	Oslo
Torsten Eich	Stockholm
Anna Söderström	Stockholm
Aðalheiður Gígja Isaksen	Reykjavik
Þorbjörn Jónsson	Reykjavik (online)
Reynir Arngrímsson	Reykjavik (online)
Sveinn Guðmundsson	Reykjavik (online)
Ilse D. Weinreich	Scandiatransplant
Anne Ørskov	Scandiatransplant
Helle Bruunsgaard	København
Anne Werner Hauge	København
Connie Larsen	København
Maja Skovgaard Petersen	København
Frederikke Byron Petersen	København
Louise Viemose	København
Annette Plesner	København (online)