News from the TTAC

Eurotransplant Extra Mural Meeting 15-03-2024 in Munich

Nils Lachmann (Vice Chair TTAC)

Eurotransplant Tissue Typing Advisory Committee (TTAC)

On behalf of...

Name	Function	Country
Lachmann, Nils	Vice Chair	Germany
Kramer, Cynthia	Secretary	The Netherlands
Emonds, Marie-Paule	Representative	Belgium
Fischer, Gottfried	Representative	Austria
Hepkema, Bouke	Representative	The Netherlands
Kauke, Teresa	Representative	Germany
Szilvasi, Aniko	Representative	Hungary
Vidan-Jeras, Blanka	Representative	Slovenia
Zunec, Renata	Representative	Croatia

Eurotransplant Tissue Typing Advisory Committee (TTAC)

Past meetings:

30. Nov 2023 Online

14. Mrch 2024 LMU Munich

Relevant Topics:

presented by C. Kramer -

Review of virtual crossmatch procedure:

- i) Adjustments to HML data uploads
- ii) Positive transplantation crossmatches
- Framework for omitting prospective transplantation crossmatches
- Harmonizing level of recipient typings and unacceptables
- Introduction of virtual crossmatch for thoracic transplant allocation

Implementation of Recommendations/Policies

#	Description	Status
P-TTAC02.23	Minimal requirements of complement-dependent cytotoxicity screening	Approved by CoMS 28-02-2024
R-TTAC01.20	Acceptable antigen within AM program: Extend to HLA-C, and -DQ as acceptable	Approved, pending implementation in Q2 2024
R-TTAC01.22	Inclusion criteria AM program: Donorfrequency <2% Unknown immunizing events Waiting time according to member state	Pending Germany

Harmonizing level of recipient typings and unacceptables

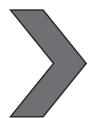
Current rules in ENISnext

Recipient Typing	Unacceptable	
A2	A*02:01	→ Plausibility?
A*02:01	A2	
empty	DPA1*01:03	→ vPRA=97%

- 1. Recipient HLA typing (other than A, B, DRB1) **must** be listed when an unacceptable antigen of that locus is being registered in ENISnext.
 - For example: DQ6 is listed as an unacceptable antigen than DQB1 antigens of recipient must be listed as well.
- 2. Recipient HLA typing must be listed on **same detailed level** as unacceptable antigen. E.g. A*02:05 is listed as unacceptable antigen than recipient HLA-A typing must be listed on allele level.

Virtual Crossmatch in thoracic transplant allocation

- o Preformed HLA antibodies might be risk factor for thoracic transplantation
- Unacceptables might be defined and entered into ENISnext
 ...but without consequences because virtual crossmatch is not in place



Manual virtual crossmatch by recipient center \rightarrow error-prone, time-consuming

vPRA>50% → CDC crossmatch in donor center



Working group within TTAC
Approached EThAC
Discussions started

Virtual Crossmatch in thoracic transplant allocation

Proposal similar to pancreas allocation:

"Matching and allocation will start after the donor HLA typing is entered into the system. In case the donor HLA is not known 3 hours prior to the planned explantation, matching and allocation will start not taking the HLA into account. In this case a provisional offer will be made awaiting the donor HLA and the result of the cross match (virtual and if requested serological)."

- Issues to be solved:
 - → Timing between HLA typing and planned explantation
 - → Priorization of immunized patients



Save the date

Thursday October 10 and Friday October 11, 2024

The venue of the meeting is Van der Valk hotel Wassenaar.