

# 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?
<del>A*02:01</del>	<del>A2</del>	
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

- 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 → 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.