

# Samarbeidsmøte 16/11-18

Christian Naper

# STAMP

- ScandiaTransplant Acceptable Mismatch Program
- Fremmede HLA molekyler pasienten ikke har antistoffer mot = «akseptable mismatcher»
- Programmet varsler om egnete donorer
- For pasienter med mye antistoffer (Transplantability score  $\leq 2\%$ )

# Transplantability score

- Angir prosent donorer som er ABO identiske med pasienten og har HLA antigener (på splitt-nivå) som er akseptable for pasienten (resipientens egne HLA + akseptable mismatches)

# Gode STAMP-kandidater, retningslinje fra Scandiatriplant

- Vanskelig å finne lokale donorer
- Bør være klar årsak til immunisering (tidligere transplantasjoner, graviditeter, blodtransfusjoner)
- PRA positive pasienter (positiv B celledscreening)
- Sterke antistoffer påvist på Luminex
- Historie med positive crossmatcher

## **Rules for exchange of kidneys from deceased donor within the Scandiatriansplant cooperation**

By existing HLA compatibility at least one kidney per deceased kidney donor must be applied for transplantation of a recipient on the Scandiatriansplant waiting list according to the below-mentioned rules in order of priority: (However, this applies only if both kidneys from a deceased donor are applicable for transplantations)

- 1. Highly immunized (PRA  $\geq$  80%) patients who are HLA-A, -B, -DR compatible with donor.*
- 2. Patient with STAMP-status when all donor HLA-A, -B, -C -DR, -DQ antigens are either shared with the recipient or are among those defined as acceptable.*
- 3. Immunized patients (PRA  $\geq$  10% but below 80%) who are HLA-A, -B, -DR compatible with donor.*
- 4. If organ donor is <50 years of age, at least one kidney is offered to recipient <16 years of age (counted from time of registration), if there is HLA-DR compatibility and in addition not more than 2 HLA-A, B mismatches.*
- 5. Patients who are HLA-A, -B, -DR compatible with donor unless the proposed recipient is > 30 years older than the donor.*

# STAMP- HLA spesifikke antistoffer

Specific data	Infection serology	STAMP/LAMP	STAMP Aux	STAMP QC	Urgency History	Termination
Antibody Summary: A11,2,23,24,25,29,3,31,32,33,34,36,43,66,68,69,74,80; B13,27,35,37,38,39,41,42,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,67,7,71,72,73,75,76,77,78,81,82; Cw10,2,9;						
Own HLA: A1,30;B8,64;Cw7,8;Bw*w6;DR11,17;DQ2,7						
Calculated Combined PRA: <input type="text" value="99"/> %						
Previous Mismatches						
Series	Antigene	Acceptable mismatch	Tx. registration in SCTP			
Antibody Screen Test						
	Date of sample	PRA Class I	Method Class I	PRA Class II	Method Class II	Identified Antibodies
1	01-Sep-2016	99	LUMI	0	LUMI	A11,2,23,24,25,29,3,32,34,...
2	31-May-2016	80	CDC	80	CDC	
3	30-May-2016	99	LUMI	0	LUMI	
4	04-Dec-2015	80		80		
5	09-Sep-2015	99	LUMI	0	LUMI	A11,2,23,24,25,29,3,32,34,...
6	19-Jun-2015	80		80		
7	18-Jun-2015	80		80		
8	02-Jun-2015	99	LUMI	0		A11,23,24,25,29,3,31,32,33...

# STAMP- akseptable mm, transplantability score

Determination Method: LUMI

Acceptable mismatches:

HLA-A: 26  
 HLA-B: 18,65  
 HLA-Cw: 1,4,5,6,12,14,15,16,17,18  
 HLA-DR: 1,103,10,3,4,7,8,9,12,13,14,15,16,18  
 HLA-DQ: 4,5,6,8,9

Date of acceptance: 20-Jul-2015      Status: A: Active      Sign up: Y: Yes

Comments:

First Registr... OPS\$NAPEROS      20-Jul-2015      Last Change.: IDW      22-Sep-2016

Calculated transplantability:

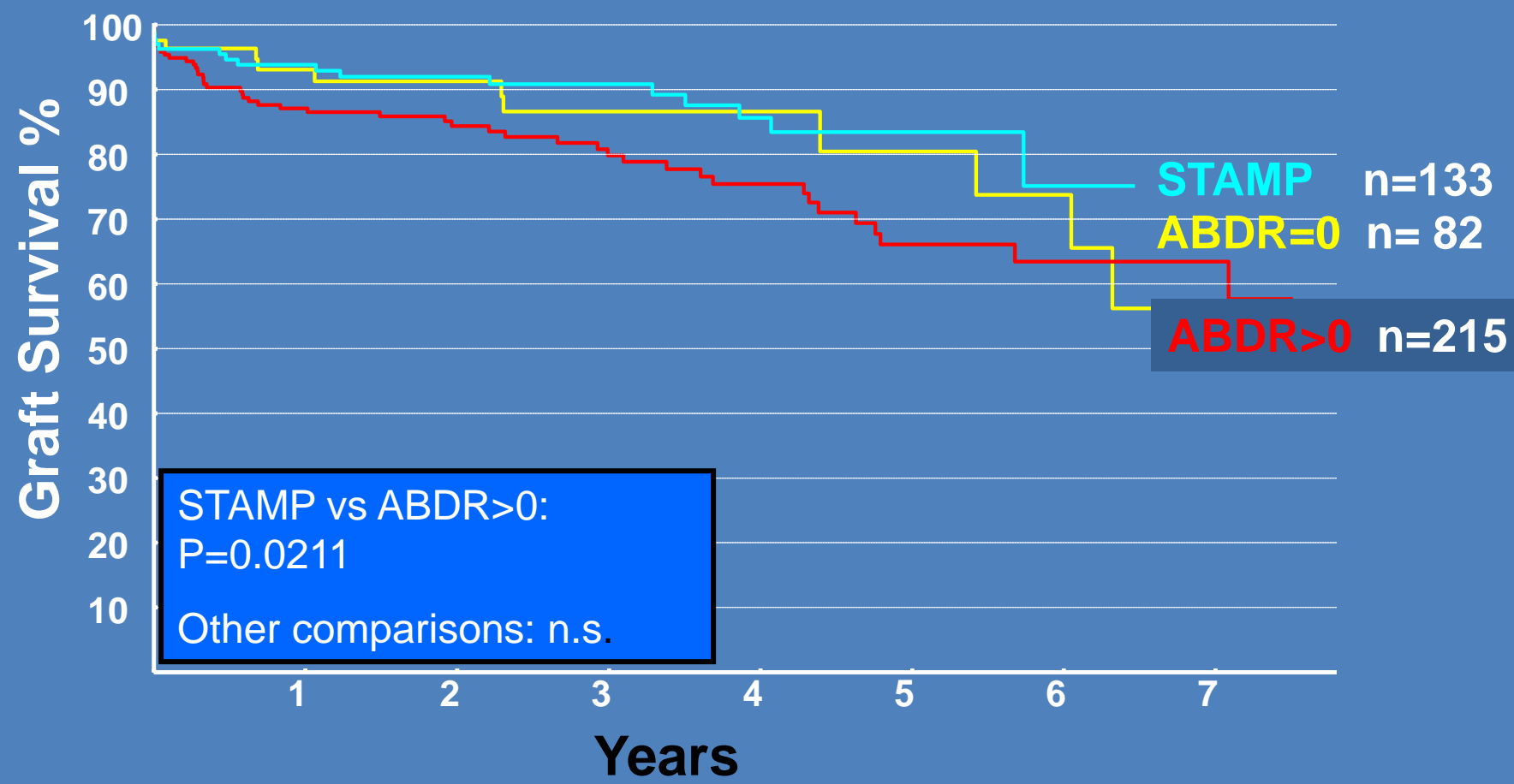
STAMP match: 0.40 %      Normal match: 0.20 %      Date of Last Calc: 29-Dec-2015

Permanent Withdrawal:      by:

**STAMP event history**

	STAMP Status	STAMP SignUp	Date of change	User	Cause of withdr.
1	A: Active	Y: Yes	22-Sep-2016	IDW	
2	A: Active	N: No	16-Sep-2016	NAPEROS	
3	L: Local programme	N: No	20-Jul-2015	OPS\$NAPEROS	
4	I: Inactive	N: No	20-Jul-2015	OPS\$NAPEROS	

# Graftoverlevelse høyt immuniserte pasienter. STAMP vs. ABDR match; 2009 - 2016





# HLA-DP matching

- Fra 1 januar 2019 vil man matche på HLA-DP (angir hvilke HLA-DPB1 molekyler som er akseptable for pasienten)

# Videre planer

- Flytte STAMP til utvekslingskriterium 1 (snart)
- Tillate ABO kompatible donorer (tar litt tid siden «transplantability score» må justeres)

# LAMP

- Local Acceptable Mismatch Program
- Pasienter som ikke oppfyller STAMP kriteriene eller har antistoffer som ikke tas hensyn til på STAMP; f.eks. allelspesifikke antistoffer (pasient HLA-DRB1\*04:01 antistoff mot HLA-DRB1\*04:02)

# Avtale tid for familieutredning

- Nok personell tilstede når prøver kommer
- Hvilke donorer utredes til pasienten (i samme prøveoppsett - fullstendig svar)
- Prøveforsendelse i begynnelsen av uken