

STAMP lathund version 4.1 - 18oct2012

Scandiatransplant Acceptable Mismatch Program (STAMP) and Local Acceptable Mismatch Program (LAMP)

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STAMP

1. General STAMP guidelines

Purpose

To increase the likelihood of offering a suitable kidney graft to highly immunized (HI) recipients, thus reducing their time on the waiting list.

Success criteria

- Reduced waiting time for highly immunized patients.
- Acceptable frequency of when a shipped kidney is not transplanted to the indicated STAMP patient (< 10 %?).
- Survival of grafts comparable to graft survival in PRA-negative patients.

Acceptance criteria

1. On waiting list > 1 year (Not necessary for paediatric patients)
2. HI status PRA \geq 80% reactivity based on CDC and/or solid phase assay
 - 2.1 Must be identified in two consecutive samples over a periode of more than 3 months (calculated from last tested sample)
 - 2.2 With proven reactivity against HLA class I or II antigens OR both HLA class I and II antigens.
3. The last tested sample drawn less than 3 months before acceptance

Recipient HLA typing

Recipient HLA-antigens must be assigned at split level, by serology or molecular typing.

Recipient acceptable HLA-antigens

Definition of acceptable HLA-mismatches is performed by laboratory at recipient center.

Acceptable mismatches may be HLA-A, -B, -DR, -DQ antigens.

Acceptable mismatches may include repeated mismatches from previous transplantations.

Definition of acceptable mismatches may be based on CDC and/or solid phase assays.

Wait listing and matching:

Recipients own antigens and the defined acceptable mismatches are treated like.

Recipients in the program must be regularly screened at least every 3 months; PRA reactivity must be re-evaluated at least once a year.

Once accepted, patients will stay included even if PRA drops below 80%.

For each donor search, a special search among AM-recipients based on split level HLA typing is performed. Exchange obligation is marked when the donor only has HLA-A, -B, -DR, -DQ antigen specified in the recipient as own or acceptable.

Exchange priority will follow Scandiatransplant rules and placed as priority number 3: *Patient with STAMP-status when all donor HLA-A, -B, -DR, -DQ antigens are either shared with the recipient or are among those defined as acceptable.* Return obligation as for other exchange rules.

Exchanged organ may be used for other local recipient if the indicated STAMP patient for any reason not can be transplanted.

Only the centers joining STAMP have an obligation to exchange kidneys to a STAMP recipient.

Re-evaluation by the steering committee

- A STAMP patient not transplanted with a shipped kidney because of a positive cross-match should be temporarily withdrawn from STAMP, re-evaluated and eventually re-admitted.

- When removing defined antibodies and adding them as acceptable mismatches the patient must be re-evaluated by the committee. The responsible laboratory is obliged to inform the committee in such cases. Re-evaluation is not needed when adding new antibodies and removing them as acceptable mismatches.

Event reporting

Donor centers must notify Scandiatransplant when exchanging a kidney to a STAMP recipient.

Recipient centers must notify Scandiatransplant if the kidney is transplanted to somebody else than the indicated STAMP patient.

Recipient center must give detailed follow-up information on performed transplantations.

Steering committee:

A steering committee (SC) for the project must be appointed by the board of Scandiatransplant.

SC shall be composed by one tissue-typer from each of the countries Denmark, Finland, Norway and Sweden together with two representatives from the Nordic Kidney Group.

Proposals of STAMP candidates from individual centers must be evaluated and accepted by SC.

SC must keep updated on all effects of the program, including:

- Number of exchanged organs.
- Changes in waiting time for STAMP recipients and for other waiting patients.
- Changed reactivity in individual waiting recipients
- Positive crossmatches at donor center.
- Fate of performed transplants.

SC may decide to withdraw STAMP-status if antibody reactivity changes.

SC must give yearly status reports to Scandiatransplant.

2. Finding the menu for entering STAMP-data

MAIN MENU

- 1. Organ Transplantation
- 2. Nordic Living Kidney Donor Follow-up
- 3. Nordic Liver Transplantation Registry
- 4. Nordic Thorax Transplantation Registry
- 5. Heart/Lung rotation list
- 6. Waiting list reports
- 7. Quality Control
- 8. Liver rotation list
- 9. Special reports
- 10. Exit

Enter your choice: 1

Application: SCTP_UK
Menu: SCTP_UK
v
<Rep>

ORGAN TRANSPLANTATION

1. Recipient And Waiting List System
2. Organ Donor System
3. Transplantation And Follow Up
4. Search
5. Reports
6. Previous Menu

Enter your choice: 1

Application: SCTP_UK Menu: ORGANTRANS v <Rep>

RECIPIENT SYSTEM

1. Registration Of New Patient
2. Updating Of Waiting List Data
3. Antibody Screen Test
4. STAMP - Acceptable Mismatches Programm
5. Withdrawal From Waiting List
6. Previous Menu

Enter your choice: 4

Application: SCTP_UK Menu: RECIPIENT v ^ <Rep>

STAMP - Acceptable Mismatches Programme

1. STAMP/LAMP pre transplantation
2. Patients being prepared for STAMP/LAMP
3. Patients ready to go on STAMP
4. Patients on STAMP
5. Patients temporarily off STAMP
6. Patients on LAMP (local programme)
7. Patients permanently withdrawn from STAMP
8. STAMP reports
9. Previous Menu

Enter your choice: 1

Application: SCTP_UK Menu: STAMP v <Rep>

3. STAMP pre transplantation

3.1 Query

Any patient with a treatment record, meaning that they are actively on a waiting list with an urgency,

T = Transplantable

NT = Temporarily not transplantable

WU = Temporarily withdrawn until specified date
can be looked up.

If you are unable to query the patients, it means;

That the individual has not been Notified to the waiting list yet – OR-

the person has newer been entered into the system – OR –

you are using a wrong Scandia-/Person-number.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME				9201
Scandia Number	_____	Pers Num	<u>111111</u> <u>1111</u>	Sex <input checked="" type="checkbox"/> _____ ABO _____
Surname	_____	First name	_____	
Tx Center	_____	Country	_____	
Curr wait list	_____	Wl status	_____	Wait for tx number _____
Date of wl entry	_____	Dial/Tr cn	_____	
Narr eq ser HLA	_____			
Repea mismatches	_____			
Most recent PRA 1	_____	I%	_____	II% _____
Most recent PRA 2	_____	I%	_____	II% _____
Identif antib	_____			
Date of accept	_____	Sign up	_____	Status _____
Methods of determ	_____			
Acc. mismatches	_____			
Comments	_____			
STAMP check	_____	Event log	_____	Calc. frequency _____ Perm. withdrawal _____
Date/User of First Reg/Last Change	_____			

Enter a query; press F12 to execute, F4 to cancel.
Count: *0 ENTER QUERY <Replace>

3.2 Entering STAMP data in pre transplantation

3.2.1 Date of acceptance

First enter "Date of accept" and press <F10>

STAMP - ACCEPTABLE MISMATCHES PROGRAMME				9201
Scandia Number	<u>126645</u>	Pers Num <u>210563 1111</u>	Sex <u>M Male</u>	ABO <u>AB</u>
Surname	<u>test person</u>	First name	<u>test person</u>	
Tx Center	<u>AR Aarhus</u>	Country	<u>DK Denmark</u>	
Curr wait list	<u>KI Kidney</u>	Wl status	<u>N Wait for tx number</u>	<u>1</u>
Date of wl entry	<u>01-JAN-2006</u>	Dial/Tr cn	<u>AC Aarhus</u>	
Narr eq ser HLA	<u>A 1,2;B 5,7;DR 1,2;</u>			
Repea mismatches				
Most recent PRA 1	<u>01-JAN-2008</u>	I% <u>55</u>	<u>AUTO</u>	II% <u>89</u> <u>BLOCK</u>
Most recent PRA 2	<u>26-JAN-2007</u>	I% <u>100</u>	<u>CDC</u>	II% <u></u>
Identif antib	<u>A3,+X;Cw4,5;DQ1,+X;DR10</u>			
Date of accept	<u>26-JAN-2009</u>	Sign up <u>N No</u>	Status <u>I Inactive</u>	
Methods of determ	<u>-</u>			
Acc. mismatches	<u>-</u>			
Comments	<u>-</u>			
Event log	<u>-</u>			
Date/User of First Reg/Last Change	<u>26-JAN-2009 SCTP</u>			

FRM-40400: Transaction complete -- 1 records posted and committed.
Count: *0 <Replace>

3.3.2 Methods of determination

Go to "Methods of determ" and get a POP-UP window using <F7>

Pres <F5> to select one to many values from the list.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME				9201
Scandia Number	<u></u>	Pers Num <u></u>	Sex <u>F Female</u>	ABO <u>0</u>
Find: <u></u>				
<input checked="" type="checkbox"/>	<u>AUTO</u>	<u>Autoantibody examination</u>		<u>2</u>
<input type="checkbox"/>	<u>OTHER</u>	<u>Other routines</u>		<u>tot</u>
<input type="checkbox"/>	<u>FLOW</u>	<u>FLOW-PRA</u>		<u></u>
<input type="checkbox"/>	<u>CDC</u>	<u>Complement Dependent lymphocyte Cytotoxicity test</u>		<u></u>
<input type="checkbox"/>	<u>LUMI</u>	<u>Luminex</u>		<u></u>
				<u>11,12</u>
				<u>s iden</u>
Event log	<u>-</u>			
Date/User of First Reg/Last Change	<u>16-APR-2009 16-APR-2009</u>			

Press F10 to pick selection, F4 to cancel.
Count: *3 <List><Replace>

Save your input by pressing <F10>

Go back by pressing <F4>

3.3.3. Acceptable mismatches

Go to "Acc mismatches" and get a POP-UP window using <F7>

Pres <F5> to select one to many values from the list.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME 9201

Scandia Number 111 Pers Num _____ Sex F Female AB0 0

Ac	HLA-A	Narrow equivalent serological HLA A 2;B 7,57;DR 7,13;DQ 9,6;
A	Find: _____	Identified Antibodies A3,11,23,24,25,26,29,30,31,32,33,34,36,43,66,68, 80;B13,18,35,37,38,39,41,42,44,47,48,49,50,51,52, 54,56,59,60,61,62,63,64,65,71,72,75,77,78,+X;Cw5: 4,5,6,7; Repeated Mismatches A1;B8;DR3;
74	1	
_____	203	
_____	210	
_____	3	
_____	9	
_____	10	
_____	11	
_____	19	
_____	17	

Press F10 to pick selection, F4 to cancel.
Count: *1 <List><Replace>

Save your input by pressing <F10>

***Please note that the patients own A-, B-, and DR- Tissue types can't be selected.
However the patients acceptable DQ- must also contain the patients own DQ***

STAMP - ACCEPTABLE MISMATCHES PROGRAMME 9201

Scandia Number 111 Pers Num _____ Sex F Female AB0 0

Acc mismatches				Narrow equivalent serological HLA A 2;B 7,57;DR 7,13;DQ 9,6; Identified Antibodies A3,11,23,24,25,26,29,30,31,32,33,34,36,43,66,68, 80;B13,18,35,37,38,39,41,42,44,47,48,49,50,51,52, 54,56,59,60,61,62,63,64,65,71,72,75,77,78,+X;Cw5: 4,5,6,7; Repeated Mismatches A1;B8;DR3;
A	B	DR	DQ	
74	8	1	8	
_____	27	103	9	
_____	46	4	_____	
_____	55	8	_____	
_____	58	9	_____	
_____	67	10	_____	
_____	73	11	_____	
_____	81	12	_____	
_____	_____	14	_____	
_____	_____	15	_____	
_____	_____	16	_____	
_____	_____	17	_____	

Count: *1 <List><Replace>

Go back by pressing <F4>

3.3.4 Comments

Go to "Comments" if you have any additional information

Save your input by pressing <F10>

- OR - if you have nothing more to add leave the patient for now by pressing <F4>

STAMP - ACCEPTABLE MISMATCHES PROGRAMME				9201
Scandia Number	126645	Pers Num	210563 1111	Sex <u>M</u> Male ABO <u>AB</u>
Surname	test person	First name	test person	
Tx Center	AR Aarhus	Country	DK Denmark	
Curr wait list	KI Kidney	Wl status	N Wait for tx number 1	
Date of wl entry	01-JAN-2006	Dial/Tr cn	AC Aarhus	
Narr eq ser HLA	A 1,2;B 5,7;DR 1,2;DQ 4,9;			
Repea mismatches				
Most recent PRA 1	01-JAN-2008	I% 55	AUTO	II% 89 BLOCK
Most recent PRA 2	26-JAN-2007	I% 100	CDC	II%
Identif antib	A3,+X;Cw4,5;DQ1,+X;DR10			
Date of accept	26-JAN-2009	Sign up	Y Yes	Status <u>A</u> Active
Methods of determ	CDC, FLOW			
Acc. mismatches	A3,11;B703,21;DQ4,9;DR9,13			
Comments	this is freetext for additional comment			
Event log				
Date/User of First	Reg/Last Change	26-JAN-2009	SCTP	26-JAN-2009 SCTP

Count: *1

<Replace>

TIP!

You can always start entering data on the person – leave the person – and then return to enter more data. You don't have to have all data ready at once, when you start work-up on a possible STAMP-patient.

4. Patients being prepared for STAMP

In the Menu "Patients being prepared for STAMP" you can always see the patients you at the moment is finalizing data on.

SCANDIA TRANSPLANT						9202
Patients being prepared for STAMP						
Cnt	Scandia	Personnumber	W.s.	Name	Status date	Days
AR 146			N		04-NOV-2008	83
AR 126645	210563	1111	N	test person, test person	26-JAN-2009	0
CP 3737			N		12-AUG-2008	167
CP 11634			N		13-AUG-2008	166
CP 4743			N		10-SEP-2008	138
ML 411			N		06-NOV-2008	81

Pres [F7] to query and edit patient on current line

* POP UP *

Count: *6

<Replace>

TIP!

Here you can place the cursor on the patient you want to work on and get to the data by pressing <F7>

5. Quality check of STAMP data

When all data have been entered on the patient a quality check must be performed.
Go to 'STAMP check' and press <F7>.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME		9201
Scandia Number	Pers Num	Sex <u>F</u> <u>Female</u> ABO <u>0</u>
Surname	First name	
Tx Center	Country	<u>S</u> <u>Sweden</u>
Curr wait list	Wl status	<u>N</u> Wait for tx number <u>1</u>
Date of wl entry	Dial/Tr cn	
Narr eq ser HLA	<u>A 28,29;B 62,27;DR 1,4;DQ 5,3;</u>	
Repea mismatches		
Most recent PRA 1	<u>03-NOV-2010</u> I% <u>96</u>	II% <u>0</u>
Most recent PRA 2	<u>09-AUG-2010</u> I% <u>92</u>	II% <u>51</u>
Identif antib	<u>A1,11,2,23,24,25,3,31,32,36,69,9; B12,13,17,18,27,38,40,41</u>	
Date of accept	<u>14-JAN-2010</u>	Sign up <u>N</u> <u>No</u> Status <u>I</u> <u>Inactive</u>
Methods of determ		
Acc. mismatches		
Comments		
STAMP check	<input checked="" type="checkbox"/> Event log	Calc. frequency
Date/User of First Reg/Last Change	<u>14-JAN-2010</u> <u>UPVT</u>	Perm. withdrawal

* POP UP *
Count: *1 <Replace>

STAMP - ACCEPTABLE MISMATCHES PROGRAMME		9201
Scandia Number	Pers Num	Sex <u>F</u> <u>Female</u> ABO <u>A</u>
STAMP Quality Control		
<input checked="" type="checkbox"/> Wait time > 1 yr or child	Age: 32 years	Wait time: 151 months <u>Yes</u>
HI PRA >= 80% at present		HI Highly immunized <u>Yes</u>
Most recent PRA < 3 months	<u>13-DEC-2010</u> 9 months 10 days	<u>No</u>
HI >= x2 > 3 months	25 samples over 134 months 6 days	<u>Yes</u>
A,B,DR,DQ splits	<u>A 24,3; B 7,70; DR 12,14; DQ 5,7;</u>	<u>Yes</u>
Acc. mm. splits	DR *3;	<u>No</u>
Id. antib. splits	All identified antibodies are splits	<u>Yes</u>
Patient DQ in Acc. mm.	DQ 5,7;	<u>Yes</u>
No identif. AB in Acc. mm.	DQ 2; DR 11;	<u>No</u>
Acc. mismatches	<u>A1,30;B73,81;DQ2,4,5,7;DR3,4,8,11,13,1403,1404,17,18</u>	
Comments		
STAMP check	Event log	Calc. frequency
Date/User of First Reg/Last Change	<u>23-AUG-2010</u>	* Perm. withdrawal <u>29-AUG-2011</u> <u>SCTP</u>

Count: *0 <Replace>

By doing this all STAMP acceptance criteria, as described in the STAMP lathund, are checked.
Yes/No statement to the right defines for each criteria if it passes the quality check or not.

Check and calculations are done on all the following variables:

5.1 Wait time > 1 yr or child

The total waiting time on kidney waiting list and present age on the patient is calculated. Total waiting time on kidney waiting list must be more than one year. (Excepted are children they do not have to wait one year before acceptance).

5.2 HI PRA >= 80% at present

Defines if the patient is highly immunized (PRA \geq 80%) in last registered antibody screen test

5.3 Most recent PRA < 3 months

Checks if the last registered antibody screen test is done within the last 3 months

5.4 HI >= x2 > 3 months

Identifies if highly immunized test result is identified in two consecutive samples over a period of more than 3 months.

5.5 A,B,DR,DQ splits

A check is done whether the recipient HLA-antigens are assigned at split level. A '*' in front of an allele indicates that the assigned HLA type contains a broad type which is serological typed. A '!' in front of an allele indicates that the problematic broad type is genomic typed.

5.6 Acc. mm. Splits

Checks if all acceptable mismatches are registered as splits

5.7 Id. antib. splits

Checks if all identified antibodies are registered as splits

5.8 Patient DQ in Acc. mm.

Checks if patient's own DQ is entered as acceptable mismatch.

5.9 No identif. AB in Acc. mm.

Compares one to one if any identified antibodies by mistake are given as acceptable mismatches.

5.10 An example of a STAMP record check;

STAMP - ACCEPTABLE MISMATCHES PROGRAMME 9201

Scandia Number _____ Pers Num _____ Sex M Male ABO A

STAMP Quality Control

<input checked="" type="checkbox"/> Wait time > 1 yr or child	Age: 59 years	Wait time: 35 months	<u>Yes</u>
HI PRA >= 80% at present		HI Highly immunized	<u>Yes</u>
Most recent PRA < 3 months	09-FEB-2011	6 months 8 days	<u>No</u>
HI >= x2 > 3 months	11 samples over 30 months	22 days	<u>Yes</u>
A,B,DR,DQ splits	A 2; B 18,7; DR 11,15;		<u>Yes</u>
Acc. mm. splits		DR *3;	<u>No</u>
Id. antib. splits	All identified antibodies are splits		<u>Yes</u>
Patient DQ in Acc. mm.		No patient DQ	<u>Yes</u>
No identif. AB in Acc. mm.		No identified AB in AM	<u>Yes</u>

Acc. mismatches _ A69,B8,13,35,39,41,42,45,46,48,50,51,52,53,54,56,57,58,5

Comments _____

STAMP check _ Event log _ Score chance * Permanent withdrawal _

Date/User of First Reg/Last Change 12-FEB-2010 TTYPER 12-FEB-2010 TTYPER

Count: *0 <Replace>

To the right it is stated if every single criteria is accepted or not. The conclusion of this check is that:

- a new sample needs to be antibody screen tested (and the result entered into Scandiatransplant)
- a broad type DR3 is given as an acceptable mismatch this indicates that it is necessary also to check if DR17 and DR18 are given as acceptable mismatches.

The STAMP check is a quality control and is meant as a help, it does not inflict with the activation of patients to STAMP. If you have an explanation of why a criteria is not fulfilled, please enter a message to the STAMP committee, in the field for comments.

6. Patients ready to go on STAMP

When you have done the quality check and you believe that sufficient data has been entered you have to change "Status" from I = Inactive to A = Active.

Go to the field 'Status'

STAMP - ACCEPTABLE MISMATCHES PROGRAMME		9201
Scandia Number	Pers Num	Sex <u>F</u> <u>Female</u> ABO <u>0</u>
Surname	First name	
Tx Center	Country	<u>S</u> <u>Sweden</u>
Curr wait list	Wl status	<u>N</u> Wait for tx number <u>1</u>
Date of wl entry	Dial/Tr cn	
Narr eq ser HLA		<u>A</u> <u>28,29</u> ; <u>B</u> <u>62,27</u> ; <u>DR</u> <u>1,4</u> ; <u>DQ</u> <u>5,3</u> ;
Repea mismatches		
Mcst recent PRA 1	I%	<u>96</u> II% <u>0</u>
Mcst recent PRA 2	I%	<u>92</u> II% <u>51</u>
Identif antib		<u>A</u> <u>1,11,2,23,24,25,3,31,32,36,69,9</u> ; <u>B</u> <u>12,13,17,18,27,38,40,41</u>
Date of accept	Sign up	<u>N</u> <u>No</u> Status <u>I</u> <u>Inactive</u>
Methods of determ		
Acc. mismatches		
Comments		
STAMP check	Event log	Calc. frequency
Date/User of First Reg/Last Change		Perm. withdrawal
	<u>14-JAN-2010</u>	<u>UPVT</u>

Count: *1 <List><Replace>

Press <F5> and chose 'Active' by pressing <Enter>. Save by pressing <F10>.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME		9201
Scandia Number	Pers Num	Sex <u>F</u> <u>Female</u> ABO <u>0</u>
Su	First name	
Tx	Country	<u>S</u> <u>Sweden</u>
Cu	Wl status	<u>N</u> Wait for tx number <u>1</u>
Da	Dial/Tr cn	
Na		<u>1,4</u> ; <u>DQ</u> <u>5,3</u> ;
Re		
Mc		II% <u>0</u>
Mc		II% <u>51</u>
Id		<u>31,32,36,69,9</u> ; <u>B</u> <u>12,13,17,18,27,38,40,41</u>
Da	gn up	<u>N</u> <u>No</u> Status <u>I</u> <u>Inactive</u>
Me		
Ac		
Cc		
STAMP check	Event log	Calc. frequency
Date/User of First Reg/Last Change		Perm. withdrawal
	<u>14-JAN-2010</u>	<u>UPVT</u>

Press F10 to pick selection, F4 to cancel.
Count: *1 <List><Replace>

You will then get a note, that an email has been send to the STAMP committee – Please acknowledge the message by pressing <ENTER>. An Email has now been send to the committee and they will then go trough the patient to see if the person is valid for the program. The results of the STAMP quality check will automatically be included in this message.

STAMP: YA-Y1 # [redacted]

Filer Rediger Vis Funktioner Meddelelse Hjaelp

Bevar Svar til alle Videre-send Udskriv Slet Forrige Naeste Adresser

Fra: [redacted]
 Dato: [redacted]
 Til: [redacted]
 Emne: [redacted]

Scand updated 29-AUG-2011 by SCTP: Signed up, changed status to Inactive

Ser. equiv. HLA: A 3,24;B 7,70;DR 12,14;DQ 7,5;

Identif. Antib.: A+X,(1),11,2,23,25,26,29,31,32,33,34,36,43,66,68,69,74,80; B13,18,27,35,37,38,(39),41,42,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,67,71,72,75,76,77,78,8,82;
 Cw10,15,17,2,5,9; DQ2,6,8,9; DR1,10,103,11,15,16,7,9;

Acc. Mism.: A1,30;B73,81;DQ2,4,5,7;DR3,4,8,11,13,1403,1404,17,18

Waiting time > 1 year or child: Yes (Age: 32 years Wait time: 151 months)

PRA < 3 months: No (13-DEC-2010 9 months 10 days)

Present immunization status HI: Yes (HI Highly immunized)

Repeated immunization status HI > 3 months: Yes (25 samples over 134 months 6 days)

A,B,DR,DQ splits: Yes (A 24,3; B 7,70; DR 12,14; DQ 5,7)

Acc. mm. splits: No (DR *3;)

Id. antib. splits: Yes (All identified antibodies are splits)

Patient DQ in acceptable mismatches: Yes (DQ 5,7)

No identified antibodies in acceptable mismatches: No (DQ 2; DR 11)

Example of an email message

You will now be able to find the STAMP record on the patient by entering the menu "Patients ready to go on STAMP"

NOTE

When at least two of the Committee members has accepted the candidate, the "Sign up" will be altered by Scandiatransplant from N = No to Y = Yes, this will make the patient active on STAMP.

7. Patients on STAMP

In the Menu "Patients on STAMP" all the patients accepted on STAMP is displayed together with the number of days they have been waiting on the program.

S C A N D I A T R A N S P L A N T							9202
Patients on STAMP							
Cnt	Scandia	Personnummer	W.s.	Name	Status	date	Days
AR	8428	-	N	-	-	19-SEP-2008	129
AR	9408	-	N	-	-	07-NOV-2008	80
AR	126645	210563 1111	N	test person, test person	-	26-JAN-2009	0
CP	154	-	N	-	-	10-NOV-2008	77
CP	9713	-	N	-	-	17-NOV-2008	70
UP	106182	-	N	-	-	17-DEC-2008	40
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Pres [F7] to query and edit patient on current line

* POP UP *

Count: *6

<Replace>

8. Quality control of antibody screening

Patients on STAMP must be HLA antibody screen tested at least every 3 months. To ensure that all complies with this rule go to the menu 'STAMP patients with PRA older than 3 months'.

```

STAMP - Acceptable Mismatches Programme

1. STAMP pre transplantation
2. Patients being prepared for STAMP
3. Patients ready to go on STAMP
4. Patients on STAMP
5. Patients temporarily off STAMP
6. STAMP patients with PRA older than 3 months
7. STAMP reports
8. Edit STAMP Committee Members
9. Edit STAMP Committee Email Messages
10. Previous Menu

Enter your choice: 6

```

```

SCANDIATRANSPLANT
STAMP patients with PRA older than 3 months
http://www.scandiatriansplant.org/man/9308.htm
9308

Cnt Scandia Personnumber Name Im AB-date Mon Day
GO 13 HI 20-APR-2011 5 0
OS 11 I 30-MAY-2011 3 23
OS 12 I 23-MAY-2011 3 0

Pres [F7] to query and edit patient on current line

* POP UP *
Count: *3
<Replace>

```

By entering this menu you get a display of patients missing the regular antibody screen test. To the right is a count of days since last registered screen test.

9. Patients temporary off STAMP

After acceptance to STAMP, the center responsible for the patient, has the possibility to remove the patient temporary from the program (for instance after a positive X-match).

If you want to do so, you have to change "Status" from A = Active to I = Inactive.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME 9201

Scandia Number _____ Pers Num _____ Sex F Female ABO A

Su	AMP Status	- First name _____
Tx		- Country <u>DK</u> <u>Denmark</u>
Cu		- Wl status <u>W</u> Wait for tx number <u>4</u>
Da	Find: _____	Dial/Tr cn _____
Na		.14:DQ 7,5;
Re	<u>A</u> Active	.2,3
Mc	<u>I</u> Inactive	CDC,LUMI II% 54 CDC,LUMI
Mc	<u>L</u> Local programme	CDC,LUMI II% 56 CDC,LUMI
Id		26,29,31,32,33,34,36,43,66,68,69,74,80;
Da		gn up <u>Y</u> Yes Status <u>A</u> Active
Me		4,5,7,DR3,4,8,11,13,1403,1404,17,18
Ac		
Cc		

STAMP check _____ Event log _____ Calc. frequency _____ * Perm. withdrawal _____

Date/User of First Reg/Last Change 23-AUG-2010 ARPKN 29-AUG-2011 SCTP

Press F10 to pick selection, F4 to cancel.

Count: *1 <List><Replace>

When pressing <F10> to save, an email will automatically be send to the STAMP committee. After this a pop-up appears where the cause of temporary withdrawal must be registered. Press <F5> and select cause from list of value. Press <F10> to save.

Note

The patient will of cause still be searchable in Kidney-search only the STAMP exchange obligation will be suppressed.

In the menu “Patients temporarily off STAMP” a list of patients temporarily of STAMP are displayed.

S C A N D I A T R A N S P L A N T 9202

Patients temporarily off STAMP

Cnt	Scandia	Personnumber	W.s.	Name	Status date	Days
<u>AR</u>	<u>3</u>	<u>-</u>	<u>W</u>	<u>-</u>	<u>01-SEP-2008</u>	<u>147</u>
<u>AR</u>	<u>7</u>	<u>-</u>	<u>N</u>	<u>-</u>	<u>12-SEP-2008</u>	<u>136</u>
<u>AR</u>	<u>126645</u>	<u>210563</u>	<u>1111</u>	<u>test person, test person</u>	<u>26-JAN-2009</u>	<u>0</u>
<u>CP</u>	<u>11617</u>	<u>-</u>	<u>N</u>	<u>-</u>	<u>17-NOV-2008</u>	<u>70</u>
<u>OS</u>	<u>106185</u>	<u>-</u>	<u>N</u>	<u>-</u>	<u>28-OCT-2008</u>	<u>90</u>

Pres [F7] to query and edit patient on current line

* POP UP *

Count: *5 <Replace>

10. Patients permanent off STAMP

Patients no longer eligible for STAMP, must be permanently withdrawn from STAMP. Go to 'Perm. Withdrawal' and press <F7>.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME		9201
Scandia Number	Pers Num	Sex <u>F Female</u> ABO <u>A</u>
Surname	First name	
Tx Center	Country	<u>DK Denmark</u>
Curr wait list	Wl status	<u>W</u> Wait for tx number <u>4</u>
Date of wl entry	Dial/Tr cn	
Narr eq ser HLA		<u>A 3,24;B 7,70;DR 12,14;DQ 7,5;</u>
Repea mismatches		<u>A2,11;B14,18,22;DR1,2,3</u>
Most recent PRA 1	I% <u>94</u> CDC LUMI	II% <u>54</u> CDC LUMI
Most recent PRA 2	I% <u>94</u> CDC LUMI	II% <u>56</u> CDC LUMI
Identif antib		<u>A+X,(1),11,2,23,25,26,29,31,32,33,34,36,43,66,68,69,74,80;</u>
Date of accept	Sign up <u>Y</u> Yes	Status <u>I</u> Inactive
Methods of determ		<u>CDC LUMI</u>
Acc. mismatches		<u>A1,30;B73,81;DQ2,4,5,7;DR3,4,8,11,13,1403,1404,17,18</u>
Comments		
STAMP check	Event log	Calc. frequency
Date/User of First	Reg/Last Change	<u>23-AUG-2010</u> <u>ARPN</u> <u>29-AUG-2011</u> <u>SCTP</u>

* POP UP *

Count: *1

<Replace>

Press <F5> and select cause from list of value. Press <F10> to save.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME		9201
Scandia Number	Pers Num	Sex <u>F Female</u> ABO <u>A</u>
Withdrawal cause		
Find: _____		
PRNOCR	In preparation, does not meet STAMP criteria	
EVNOCR	Reevaluated, does not meet STAMP criteria	
NOTACC	Not accepted on STAMP	
NOPRA	PRA not provided according to rules	
XMATCH	Persistent positive cross match	
NOMMHL	HLA antibodies / acceptable mismatches cannot be provided	
OT	Other cause	
STAMP check	Event log	Calc. frequency
Date/User of First	Reg/Last Change	<u>23-AUG-2010</u> <u>ARPN</u> <u>29-AUG-2011</u> <u>SCTP</u>

Press F10 to pick selection, F4 to cancel.

Count: *0

<List><Replace>

11. STAMP reports

If you want to gain insight into STAMP history and activities you can do so by entering the menu “STAMP reports”.

11.1 Patient History Report

Here it's possible to enter a query on a patient no longer on STAMP and see historically data.

STAMP - PATIENT HISTORY REPORT		9301
Scandia Number	Person Number	Sex <u>M</u> <u>Male</u> ABO <u>O</u>
Surname		
First name		
Country	<u>N</u> <u>Norway</u>	
Tx Center	<u>OS</u>	
Dial/Tr center		
Curr. wait list		
Curr entry date	Waiting list status	
STAMP notific.	<u>17-MAR-2009</u>	
Narrow eq ser HLA	<u>A 2,11;B 18,35;DR 1,14;DQ 5,5;</u>	
Repea mismatches	<u>A19,28;B5,7,12;DR4,7</u>	
Identif antib	<u>A1,23,24,25,29,32,43; B13,27,37,38,44,45,47,49,51,52,53,57</u>	
<F2>: view events, Ctr-P: print report, <F7>: display report		

Count: *1 <Replace>

When you have a STAMP-patient on screen you can press <Ctrl-p> to print or <F7> to display the data on the screen.

A typical printout will look like this

```

SCANDIATRANSPLANT                                stamp_details
Report produced: 20-SEP-2011  09:34 requested by user: CP_USER      Page  1

*-----*
|                                STAMP history                                |
*-----*

Scandianumber:                123
Person number:                123456
Gender:                       M Male
Name:                         Test
Country:                      N Norway
Tx-Center:                    OS Oslo
Dialysis/Treatment center:    02 Sykehus
Waiting list:                 KI Kidney
Date of entry on waiting list: 21-JUN-2005
Waiting list status:
Waiting for tx number:        2
Blood group:                  0
Narrow HLA:                   A 2,11;B 18,35;DR 1,14;DQ 5,5;
Repeated mismatches:          A19,28;B5,7,12;DR4,7
Antibody Screen Test:         07-APR-2009 I% 80 II% 80
                               10-FEB-2009 I% 80 II% 80
Identified antibodies:        A1,23,24,25,29,32,43; B13,27,37,38,44,45,47,49,
                               51,52,53,57,58,59,63,76,77,78; DQ2,4,7,8,9;
                               DR10,11,12,13,15,16,4,7,8,9;
Date of entry on STAMP:       11-MAR-2009
Date of acceptance on STAMP:  17-MAR-2009
Signed up:                    Y Yes
STAMP status:                 A Active
Determination methods:        OTHER
Acceptable mismatches:         A3,26,30,31,33,34,66,68,69;B7,8,39,41,42,46,48,
                               50,54,55,56,60,61,64,65,67,71,73,75,81;DQ5;DR103
Comments:
STAMP events:                 N:I:11-MAR-2009:LEIVOS,N:A:11-MAR-2009:LEIVOS,
                               Y:A:17-MAR-2009:SCTP

Waiting time > 1 year or child Yes Age: 72 years Wait time: 74 months
Most recent PRA < 3 months    No  07-APR-2009 29 months 26 days

```


HI PRA >= 80% at present	Yes HI Highly immunized
HI >= x2 > 3 months	Yes 5 samples over 20 months 0 days
A,B,DR,DQ splits	Yes A 11,2; B 18,35; DR 1,14; DQ 5,5;
Acc. mm. splits	Yes All acc. mismatches are splits
Id. antib. splits	Yes All identified antibodies are splits
Patient DQ in Acc. mm.	Yes DQ 5,5;
No identif. AB in Acc. mm.	Yes No identified AB in AM
First registered:	11-MAR-2009 LEIVOS
Last changed:	27-MAR-2009 LEIVOS

11.2 Summary Reports

In the menu “Summary Reports” you can press <F5> to get at list of possible choices of reports

S C A N D I A T R A N S P L A N T
 STAMP DATA EXTRACTION REPORTS

9205

Report types

F

T

E

E

R

E

E

Find: _____

STAMP Notifications	STAMP_pre_tx.pl
Withdrawals from KI Waiting List	STAMP_pre_tx.pl
STAMP Permanent Withdrawals	STAMP_pre_tx.pl
STAMP Temporary Withdrawals	STAMP_pre_tx.pl
STAMP Transplantations	STAMP_tx.pl

.pl

Press [Commit] to execute report

Press F10 to pick selection, F4 to cancel.
 Count: *0

<List><Replace>

11.2.1 STAMP Notifications (Name of excel file: STAMP_pre_tx_not.xls)

If you choose this report you will get all patients with a STAMP record. In other words the report will contain patients that are: Preparing to go on STAMP, active/inactive on STAMP, transplanted and permanently withdrawn.

11.2.2 Withdrawals from KI Waiting List (Name of excel file: STAMP_pre_tx_wtd.xls)

Consist of all patients with a STAMP record that have been withdrawn from the main kidney waiting list.

11.2.3 STAMP Permanent Withdrawals (Name of excel file: STAMP_pre_tx_pwd.xls)

This extraction contains patients permanent withdrawn from STAMP together with cause and date.

11.2.4 STAMP Temporary Withdrawals (Name of excel file: STAMP_pre_tx_twd.xls)

If you choose this report you will get a list patients that have been temporary off STAMP along with cause and date.

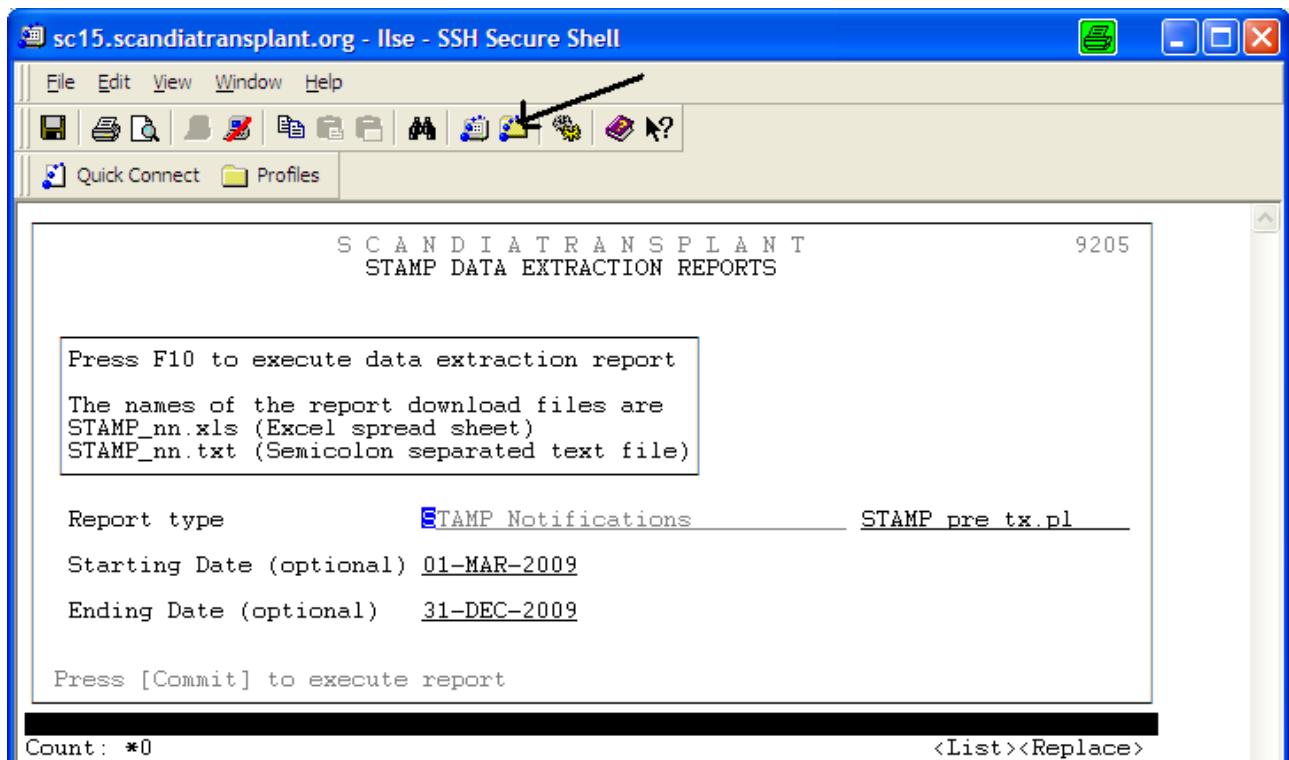
11.2.3 STAMP Transplantations (Name of excel file: STAMP_tx.xls)

If you choose this report you will get a list of patients transplanted while they we signed up on STAMP waiting list.

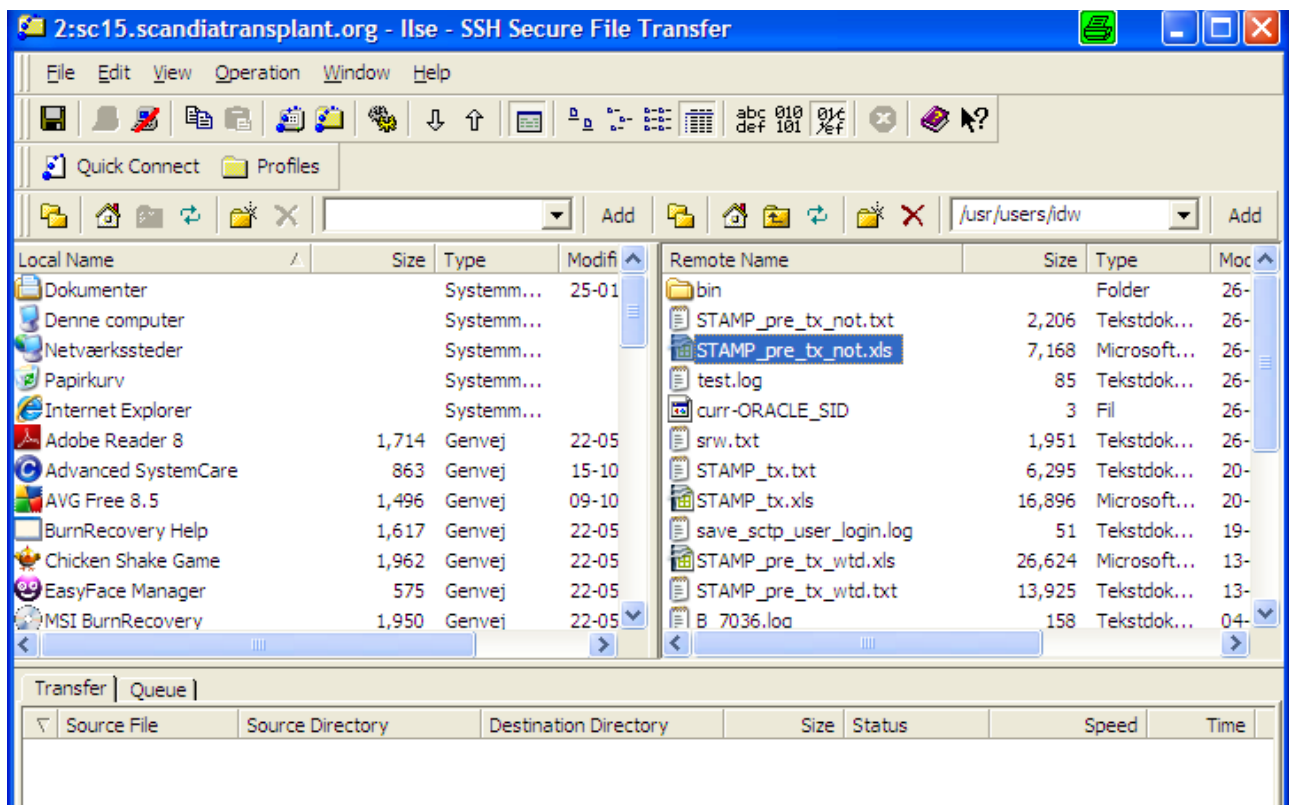
It is possible to do the search for a specific period just enter starting and/or ending date.

Commit the extraction by pressing <F10>

You find the extracted excel file by pressing the icon marked with an arrow on the next picture (New File Transfer Window)



Find the file and click on it to open the excel file



STAMP_pre_tx_not.xls - OpenOffice.org Calc																	
26-JAN-2010: STAMP notifications - 31-DEC-2009																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	26-JAN-2010	STAMP notifications - 31-DEC-2009															
2																	
3	Country	Tx center	Scandianur	Birth date	Person num	Sex	Name	Last chn da	Last chn use	Waiting list	Waiting list	Waiting for	Date of wl e	Term-date	Term-cause	Withdrawn	AE
4																	
5	DK	CP		11617-28-dec-1965		F		13-okt-2009	CPCC	CP	Notified		2-23-apr-1999				0
6	DK	CP		111035-30-okt-1967		F		23-nov-2009	CPCC	CP	Notified		2-20-jul-2005				0
7	DK	CP		11634-23-maj-1973		F		27-nov-2009	CPCC	CP	Notified		3-31-mar-1999				A
8	DK	CP		103060-10-jan-1976		M		23-nov-2009	CPCC	CP	Notified		2-23-jul-1998				A
9	N	OS		142463-11-okt-1931		F		07-okt-2009	LEIVOS	OS	Notified		1-29-aug-2006				0
10	N	OS		4506-29-aug-1934		F		10-nov-2009	LISBETH	OS			2-08-sep-2003	10-nov-2009	PW		A
11	N	OS		10580-22-maj-1939		M		29-jun-2009	MEYROS	OS			2-21-jun-2005	29-jun-2009	CDT		0
12	N	OS		107373-12-jun-1941		M		07-okt-2009	LEIVOS	OS	Notified		2-21-maj-2001				0
13	N	OS		100940-30-jan-1946		M		16-okt-2009	BREITENS	OS	Temp. withdr		3-26-maj-1997				A
14	N	OS		4567-05-feb-1951		F		02-apr-2009	LEIVOS	OS	Notified		5-26-maj-2005				A
15	N	OS		145503-03-aug-1952		F		18-nov-2009	LEIVOS	OS	Notified		3-27-mar-2007				A
16	N	OS		117304-26-mar-1954		M		04-mar-2009	LEIVOS	OS	Notified		2-10-maj-2002				A
17	N	OS		106185-16-jan-1957		F		17-dec-2008	SCTP	OS	Notified		4-18-okt-2007				A
18	N	OS		117092-07-dec-1958		F		25-aug-2009	LEIVOS	OS	Notified		2-21-dec-2007				0
19	N	OS		133948-28-jul-1961		F		02-jun-2009	PABOS	OS			1-08-jun-2005	02-jun-2009	CDT		0
20	N	OS		126351-03-maj-1977		F		14-jan-2010	BREITENS	OS	Temp. withdr		2-20-mar-2007				B
21	S	ML		12620-24-nov-1957		F		30-nov-2009	ANN	ML	Notified		2-06-maj-2004				0
22	S	ML		13919-23-aug-1965		M		23-okt-2009	MLLAB	ML	Notified		2-28-apr-2005				A
23	S	ST		11897-15-aug-1960		F		14-jan-2010	SCTP	ST	Notified		3-29-dec-2005				A
24	S	ST		125347-07-jan-1966		F		09-dec-2009	TXLAB	ST	Notified		1-24-nov-2003				0
25	S	ST		11848-05-apr-1966		M		20-jan-2010	STTCACC	ST			2-23-feb-2005	20-jan-2010	CDT		A
26	S	ST		142429-18-okt-1966		F		14-jan-2010	SCTP	ST	Notified		2-26-sep-2006				A
27	S	ST		108744-30-mar-1981		F		08-dec-2009	TXLAB	ST	Notified		2-22-dec-2006				A

Now it is possible to work as you like with the extracted data

LAMP

1. Introduction

Purpose

This program is a local alternative for patients that do not meet STAMP criteria. At recipient search the patients are matched the same way as STAMP patients, due to defined acceptable mismatches. The program does not result in any exchange obligations between centers.

Acceptance criteria

Each center defines the acceptance criteria themselves and there is no approval for inclusion to the program from the committee. Patients can both go directly on LAMP and no matter their STAMP status be 'transferred' to LAMP.

2. Finding the menus for entering LAMP-data and LAMP pre transplantation information

You use the same menus, facilities and screens as described for STAMP patients.

STAMP - Acceptable Mismatches Programme

1. STAMP/LAMP pre transplantation

2. Patients being prepared for STAMP/LAMP

3. Patients ready to go on STAMP

4. Patients on STAMP

5. Patients temporarily off STAMP

6. Patients on LAMP (local programme)

7. Patients permanently withdrawn from STAMP

8. STAMP reports

9. Previous Menu

Enter your choice: 1

Methods of determination, acceptable mismatches and comments are registered the same way as for STAMP patients.

3. Patients ready to go on LAMP

When you have done the quality check and you believe that sufficient data has been entered you have to change "Status" from I = Inactive to L = Local programme.

Go to the field 'Status'

STAMP - ACCEPTABLE MISMATCHES PROGRAMME		9201
Scandia Number	Pers Num	Sex <u>F</u> <u>Female</u> ABO <u>0</u>
Surname	First name	
Tx Center	Country	<u>S</u> <u>Sweden</u>
Curr wait list	Wl status	<u>N</u> Wait for tx number <u>1</u>
Date of wl entry	Dial/Tr cn	
Narr eq ser HLA		<u>A</u> 28,29; <u>B</u> 62,27; <u>DR</u> 1,4; <u>DQ</u> 5,3;
Repea mismatches		
Mcst recent PRA 1	I% <u>96</u>	II% <u>0</u>
Mcst recent PRA 2	I% <u>92</u>	II% <u>51</u>
Identif antib		<u>A</u> 1,11,2,23,24,25,3,31,32,36,69,9; <u>B</u> 12,13,17,18,27,38,40,41
Date of accept	Sign up	<u>N</u> <u>No</u> Status <u>I</u> <u>Inactive</u>
Methods of determ		
Acc. mismatches		
Comments		
STAMP check	Event log	Calc. frequency
Date/User of First Reg/Last Change	14-JAN-2010	UPVT
		Perm. withdrawal

Count: *1

<List><Replace>

Press <F5> and chose 'Local programme', then press <Enter>. Save by pressing <F10>.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME		9201
Scandia Number	Pers Num	Sex <u>F</u> <u>Female</u> ABO <u>0</u>
Su	First name	
Tx	Country	<u>S</u>
Cu	Wl status	<u>N</u> Wait for tx number <u>1</u>
Da	Dial/Tr cn	
Na		<u>1,4</u> ;DQ <u>5,3</u> ;
Re		
Mc	I% <u>96</u>	II% <u>0</u>
Mc	I% <u>92</u>	II% <u>51</u>
Id		<u>31,32,36,69,9</u> ; <u>B</u> 12,13,17,18,27,38,40,41
Da	gn up	<u>N</u> <u>No</u> Status <u>I</u> <u>Inactive</u>
Me		
Ac		
Cc		
STAMP check	Event log	Calc. frequency
Date/User of First Reg/Last Change	14-JAN-2010	UPVT
		Perm. withdrawal

Press F10 to pick selection, F4 to cancel.

Count: *1

<List><Replace>

The patient is now on LAMP

Please note that no matter what STAMP status a patient has it can always become a LAMP patient.

4. Patients on LAMP

In the Menu "Patients on LAMP (local programme)" all the patients included on LAMP are displayed together with the number of days they have been waiting on LAMP (and STAMP).

STAMP - Acceptable Mismatches Programme

1. STAMP/LAMP pre transplantation
2. Patients being prepared for STAMP/LAMP
3. Patients ready to go on STAMP
4. Patients on STAMP
5. Patients temporarily off STAMP
6. Patients on LAMP (local programme)
7. Patients permanently withdrawn from STAMP
8. STAMP reports
9. Previous Menu

Enter your choice: 6

Application: SCTP_UK
Menu: STAMP
v ^
<Rep>

5. Recipient search result LAMP

In the search selection screen a new line has been added

If a match is found for a LAMP patient it will appear on the search result list (marked with an L to

KIDNEY WAITING LIST SURVEY				Page	4/6	2501
ABO Compat.:		All	<u>1253</u>	Own	<u>226</u>	Ex. Obligation <u>0</u>
Local prior.:		Yes	No.	Sel	Waiting Time	
			9	<input checked="" type="checkbox"/>	in Months:	
		No	<u>1242</u>	-	0 - 11	<u>427</u>
		R<18 D<55 MMm*3-1	<u>0</u>	-	12 - 23	<u>411</u>
		Local acc. mism.:	<u>1</u>	-	24 - 59	<u>319</u>
					60 - *	<u>96</u>
Age in		0 - 15	No.	Sel	CMV:	
Years:		16 - 19	<u>2</u>	-	Positive	No.
		20 - 39	<u>192</u>	-	Negative	<u>764</u>
		40 - 59	<u>617</u>	-		<u>222</u>
		60 - *	<u>440</u>	-		
					HCV_Ab:	Positive
					HCV_Ag:	Positive
					HBs_Ag:	Positive
						No.
						<u>20</u>
						<u>3</u>
						<u>5</u>
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the far left) depending on search selections.

Printout off STAMP and LAMP information

When you have a STAMP/LAMP-patient on screen you can press <Ctrl-p> to print or display the data.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME				9201
Scandia Number	126645	Pers Num	210563 1111	Sex <u>M</u> Male ABO <u>AB</u>
Surname	test person	First name	test person	
Tx Center	AR Aarhus	Country	DK	Denmark
Curr wait list	KI Kidney	Wl status	N	Wait for tx number <u>1</u>
Date of wl entry	01-JAN-2006	Dial/Tr cn	AC	Aarhus
Narr eq ser HLA	A 1,2;B 5,7;DR 1,2;DQ 4,9;			
Repea mismatches				
Most recent PRA 1	01-JAN-2008	I% 55	AUTO	II% 89 BLOCK
Most recent PRA 2	26-JAN-2007	I% 100	CDC	II%
Identif antib	A3,+X;Cw4,5;DQ1,+X;DR10			
Date of accept	26-JAN-2009	Sign up	Y Yes	Status <u>A</u> Active
Metho	<div style="border: 1px solid black; padding: 5px;"> STAMP REPORT </div>			
Acc.				
Comme				
Event				
Date/	<input checked="" type="checkbox"/> <RETURN>: print report, <F7>: display report, <F4>: cancel.			
	TP			

Count: *0

<Replace>

A typical printout will look like this

SCANDIATRANSPLANT stamp_details
Report produced: 18-MAR-2009 13:50 requested by user: SCTP Page 1

```

*-----*
|                STAMP details                |
*-----*

```

```

Scandianumber:      126645
Person number:      210563-1111
Gender:             M Male
Name:              test person, test person
Country:           DK Denmark
Tx-Center:         AR Aarhus
Dialysis/Treatment center: AC Aarhus
Waiting list:      KI Kidney
Date of entry on waiting list: 01-JAN-2006
Waiting list status: N Notified
Waiting for tx number: 1
Blood group:       AB
Narrow HLA:        A 1,2;B 5,7;DR 1,2;DQ 4,9;
Repeated mismatches:
Antibody Screen Test:
                    01-JAN-2008 I% 55 AUTO II% 89 BLOCK
                    26-JAN-2007 I% 100 CDC II%
Identified antibodies:
                    A3,+X;Cw4,5;DQ1,+X;DR10
Date of acceptance on STAMP: 26-JAN-2009
Signed up:         Y Yes
STAMP status:      A Active
Determination methods: CDC, FLOW
Acceptable mismatches:
                    A3,11;B703,21;DQ4,9;DR9,13
Comments:          this is freetext for additional comment
STAMP events:      Y:A:26-FEB-2009:SCTP,N:I:26-JAN-2009:SCTP,
                    N:A:26-JAN-2009:SCTP,Y:A:26-JAN-2009:SCTP,
                    Y:I:26-JAN-2009:SCTP
First registered:   26-JAN-2009 SCTP
Last changed:      26-JAN-2009 SCTP

```

Calculated frequency for PRA and transplantability

A donor pool, based on 1000 recently HLA typed deceased donors registered in Scandiatransplant, has been made. The pool forms the basis of the following calculations.

1. Frequency calculated combined PRA

On the basis of registered identified antibodies on a specific patient it is possible to make a percentage calculation of a combined PRA class I and II.

Enter the menu 'Updating Of Waiting List Data', make a query on the specific patient and go into the 'Antibody screen test' menu on page 3/3 with <F7>.

```

SCANDIATRANSPLANT
RECIPIENT SYSTEM PAGE 3/3
2001

Scandia Number _____

5. HLA TYPING: _____ *
6. ANTIBODY SCREEN TEST: _____ *
7. SENSITIZATION HISTORY: _____ *
8. VARIOUS IMMUNOLOGY: Immunol. Requirements _____
   Previous / allowable mismatches & _____ *
   Waiting for organ number
   Edit transplantation number _____

* POP UP *
Count: *1
<Replace>
```

Press >F1< and a combined PRA value, containing class I and II antibodies, will be calculated and saved. Recalculating can be made by pressing >F1< again. The last date of calculation together with the PRA value will always be displayed.

```

SCANDIATRANSPLANT
RECIPIENT SYSTEM PAGE 3/3
2001

Scandia Number _____

ANTIBODY SCREEN TEST
Date of Current Serum Sample _____ 2008
HLA Antibodies in Current Serum: Class I 15% Class II 91%
Calculated combined PRA: 94% 21-SEP-2011
Serol. Routines used to disclose Class I - Class II -
Edit allowable antibodies -

8. Anti HLA-A Anti HLA-B Anti HLA-Cw Anti HLA-DR Anti HLA-DQ
   _____
   _____
Summary A2,3,32; B49; DQ4,5,6,8,9; DR15;
ArrDown: next record, ArrUp: previous record, F1: calculate PRA

Count: *9
<Replace>
```

2. Frequency calculated transplantability

In STAMP it is possible to get

- a 'frequency calculated transplantability' based on patient's own tissue type
- a 'frequency calculated transplantability with acceptable mismatches' based on patient's own tissue type and acceptable mismatches.

The calculation is based on the HLA tissue types and ABO blood types represented in the donor pool.

Place the cursor in the field 'Calc. frequency' and press >F7< to get a pop up.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME				9201
Scandia Number	Pers Num	Sex <u>F</u> Female	ABO <u>A</u>	
Surname	First name			
Tx Center	Country			
Curr wait list	Wl status	Wait for tx number <u>4</u>		
Date of wl entry	Dial/Tr cn			
Narr eq ser HLA				
Repea mismatches				
Most recent PRA 1	I%	CDC, LUMI	II%	54 CDC, LUMI
Most recent PRA 2	I%	94 CDC, LUMI	II%	56 CDC, LUMI
Identif antib	A+X, (1), 11, 2, 23, 25, 26, 29, 31, 32, 33, 34, 36, 43, 66, 68, 69, 74, 80;			
Date of accept	Sign up	Y Yes	Status	A Active
Methods of determ	CDC, LUMI			
Acc. mismatches	A30; B73, 81; DQ2, 4, 5, 7; DR3, 4, 8, 11, 13, 1403, 1404, 17, 18			
Comments				
STAMP check	Event log	Calc. frequency	Perm. withdrawal	
Date/User of First Reg/Last Change	23-AUG-2010	ARPKN	25-AUG-2010	ARPKN

* POP UP *

Count: *1

<Replace>

By pressing >F10< you get the calculated match frequency among the 1000 donor types with and without acceptable mismatches.

STAMP - ACCEPTABLE MISMATCHES PROGRAMME				9201
Scandia Number	Pers Num	Sex <u>M</u> Male	ABO <u>A</u>	
Surname	First name			
Tx Center	Country			
Curr wait list	Wl status	Wait for tx number <u>3</u>		
Date of wl entry	Dial/Tr cn			
Narr eq ser HLA				
Repea mismatches				
Most recent PRA 1	I%	97		
Most recent PRA 2	I%	99		
Identif antib	A1, 11, 24, 29, 3, 30, 31, 34, 36;			
Date of accept	Sign up	Y		
Methods of determ	CDC, FLOW			
Acc. mismatches	A25, 26, 32, 33, 43, 66, 68, 69			
Comments				
STAMP check	Event log	Calc. frequency	Perm. withdrawal	
Date/User of First Reg/Last Change	11-FEB-2010	JLR	11-MAR-2010	JLR

Calculated Frequency

Without STAMP	0.0%
With STAMP	0.1%
Last calculated	23-AUG-2011

■ Press F10 to (re)calculate

FRM-40400: Transaction complete -- 1 records posted and committed.

Count: *1

<Replace>