

User manual search for suitable kidney recipient

1. Enter the menu 'search for suitable kidney recipient'

Waiting list -> search for suitable kidney recipient

The screenshot shows the 'Search for suitable kidney recipient' menu. The 'Recipient' dropdown is highlighted, and the 'Search for suitable kidney recipient' option is selected. The search form below is empty.

2. Search information – donor not already registered

The screenshot shows the 'Search for suitable kidney recipient' form with the following search parameters filled in:

- 1 Recipient center: AR: Aarhus
- 2 Date of birth: 01-Jan-1950
- 3 AB0 Blood Group: 0
- 4 Serologic HLA: A: 2, 29, B: 44, 60, Cw: 5, Bw4/Bw6: , DRB1: 10, 15, DQB1: 0301, 06
- 5 Genomic HLA: A: , B: , Cw: 05, 16, Bw4/Bw6: w4, w6, DRB1: 10, 15, DQB1: 0301, 06

1. Choose for which center you wish to make the search
 - If you leave the field empty, you search on all recipients in ScandiTransplant. Exchange obligations will always be displayed.
2. Enter date of birth on the deceased donor (ex. 01-Jan-1960)
3. Select/register deceased donor blood group
4. Select/register the deceased donor HLA – serologic typing
5. Select/register the deceased donor HLA – genomic typing

- You can combine genomic and serologic HLA typing results. If you enter the same allele both as serologic and genomic typing result, the genomic type will overrule the serologic type.

In the case below the match run will be made on C*03,*07 and not Cw10, 7. To make the best possible search you must in this case delete the genomic HLA-C type and do the search.

3. Search information –donor already registered

If you click in the 'Donor number' field a new search screen will appear to the right. In this window you will be able to search for existing donors.

When you have found the specific donor you were looking for, you click on the line and donor birth, AB0 and HLA will be transferred to the search screen to the left.

If you wish to search on recipients belonging to a specific center you must enter/chose 'Recipient center' before searching.

4. Searching

When you have entered the desired donor search information you press 'search'

Priority	Sc.No	Center	Surname	First name	Age	Wait.Tim	Tx.No	Imm.Sta	AB0	AB0 mismatch	AB.MM	DR.MM	DSA	CMV	HCV	HBSAG	Prev.MM	Spc.Reg
1	7	186660	AR	Surname First nam	34	4	1	NI	A	N: No	2	1	-	-	-	-	-	-
2	7	10381	AR	Surname First nam	37	7	3	I	A	N: No	4	1	A2;DR1C	+	-	-	B12	-
3	7	152963	AR	Surname First nam	55	5	1	NI	A	N: No	1	2	-	+	-	-	B12	-
4	7	10342	AR	Surname First nam	45	8	3	NI	A	N: No	2	2	-	+	-	-	B7	-
5	7	101613	AR	Surname First nam	40	86	4	I	A	N: No	2	2	DR10;A:	+	-	-	A1	-
6	7	173651	AR	Surname First nam	46	0	1	NI	A	N: No	2	2	-	+	-	-	A1	-
7	7	188180	AR	Surname First nam	71	0	1	NI	A	N: No	2	2	-	+	-	-	-	-

The search result list always lists possible exchange obligations in the top sorted after exchange priorities, which are listed to the left. Priority 1-5 is the official kidney exchange obligation. Priority 6 is LAMP and priority 7 is all the rest of the patients on the waiting list. If you have chosen a specific 'Recipient center'

Donor Administration Living donor Misc Thorax Registry Forms Recordings Recipient Reports Liver Registry Forms

Search for suitable kidney recipient Search Reset

[Enter search parameters]

Donor: Recipient center: AR: Aarhus Date of birth: 01-Jan-1960 AB0 Blood Group: A Donor number:

Serologic HLA Genomic HLA

A: 1 B: 8 Cw: Bw4/Bw6: DR: DQ: A: B: Cw: Bw4/Bw6: DRB1: 01 DQB1:

Applied:

	Priority	Sc.No	Center	Surname	First nam	Age	Wait.Tim	Tx.No	Imm.Sta	AB0	AB0 mism	AB.MM	DR.MM	DSA	CMV	HCV	HBSAG	Prev.MM	Spc Req
1	2	105854	GO	Surname	First nam	46	18	2	HI	A	N: No	2	0		-	-	-		
2	2	166642	ML	Surname	First nam	47	46	1	HI	A	N: No	2	1		+	-	-		
3	5	186163	CP	Surname	First nam	53	5	1	PI	A	N: No	0	0		ND	-	-		
4	5	188039	HE	Surname	First nam	29	1	1	NI	A	N: No	0	0		+	-	-		
5	5	141010	OD	Surname	First nam	21	0	2	NI	A	N: No	0	0		-	ND	-		
6	5	187109	AR	Surname	First nam	60	3	1	NI	A	N: No	0	0		+	-	-		
7	5	183981	UP	Surname	First nam	73	9	1	PI	A	N: No	0	0		-	-	-		
8	5	188462	ML	Surname	First nam	49	0	1	LI	A	N: No	0	0		+	-	-		
9	7	177599	AR	Surname	First nam	43	23	1	NI	A	N: No	1	0		+	-	-		
10	7	4995	AR	Surname	First nam	57	15	3	NI	A	N: No	2	0		+	-	-		

After the exchange priority the list is as default sorted in the order of matching AB0, followed by lowest number of DR mismatches and then lowest number of AB mismatches.

By clicking on the header of a column you are able to sort the results by yourself. As an example if you click on AB.MM, followed by DR.MM the top results will be the lowest number of DR mismatches combined with the lowest number of AB mismatches.

The total number of recipients fulfilling the search criteria is displayed in the bottom of the page

17	7	AR	Surname	First nam	65	20	2	HI	0	N: No	2	1	A1	+	-	-		
18	7	AR	Surname	First nam	28	9	2	NI	0	N: No	2	1		+	-	-		
19	7	AR	Surname	First nam	48	14	2	LI	0	N: No	2	1		+	-	-		
20	7	AR	Surname	First nam	77	21	1	NI	0	N: No	2	1		+	-	-		
21	7	AR	Surname	First nam	67	0	1	NI	0	N: No	2	1		-	-	-		
22	7	AR	Surname	First nam	62	10	1	NI	0	N: No	2	1		+	-	-		
23	7	AR	Surname	First nam	60	2	1	NI	0	N: No	2	1		+	-	-		
24	7	AR	Surname	First nam	66	10	1	NI	0	N: No	2	1		+	-	-		
25	7	AR	Surname	First nam	48	1	1	LI	0	N: No	2	1	A2	-	-	-		

Page 1 of 4

Displaying 1 - 25 of 81

5. Advance search

You can make a variety of different filters and apply them to your search. In the example below the filter is set to display all recipients that have been waiting for more than a year.

When you have applied all the filters you wish, you click on 'Apply to search'.

The screenshot shows the 'Define advanced query-filters' dialog box. On the left, under 'Saved queries', there is a table with two entries:

	Title	Owner	Changed
	no prev.mm.	100064	15-Dec-2014
	DK-rule, children	100064	15-Dec-2014

Below the table, it says 'Page 1 of 1' and 'Displaying 1 - 2 of 2'. On the right, under 'User defined query', there are buttons for 'New', 'Apply to search' (circled in red), 'Save', and 'Cancel'. Below these is a 'Title' field. Under 'Query columns', there is a table:

	Variable	Operator	Value(s)
☒	202696: Wait.Time	>: greater than	10
☐		=: equal to	

Below the table are 'Created:' and 'Changed:' fields.

The list of extra filters will be displayed in the search screen, to use them in search, press the search button.

The screenshot shows the 'Search for suitable kidney recipient' screen. At the top, there is a navigation bar with links: Administration, Living donor, Recordings, Recipient, Donor, Misc, Reports, Thorax Registry Forms, and Liver Registry Forms. Below this is a search bar with a 'Search' button (circled in red) and a 'Reset' button. The main area is titled '[Enter search parameters]'. It contains several input fields: 'Donor:', 'Recipient center:' (set to 'AR: Aarhus'), 'Date of birth:' (set to '12-Dec-1972'), 'ABO Blood Group:' (set to 'A'), and 'Donor number:' (set to '2'). Below these are two sections: 'Serologic HLA' and 'Genomic HLA'. Each section has several dropdown menus for A, B, Cw, DR, and DQ. At the bottom, there is a red-bordered box containing the text 'To be applied: [Wait.Time]>10 [Age]<18'. Below this is a table with columns: Priority, Sc.No, Center, Surname, First Name, Age, Wait.Tim, Tx.No, Imm.Sta, ABO, ABO mm., AB mm., DR mm., DSA, CMV, HCV, HBsAg, Prev.mm, and Spc Req. The table is currently empty, and the status at the bottom right says 'No data to display'.

6. Advanced search – using predefined profile

If you wish to add extra filters to you search click on the filter-button with the yellow cross (no. 1. below)

Search for suitable kidney recipient

[Enter search parameters]

Donor: Donornumber:

Recipient center: AR: Aarhus Date of birth: 02-Dec-2014 AB0 Blood Group: 0

Serologic HLA

A: 1 2 B:

Cw: Bw4/Bw6:

DR: DQ:

Genomic HLA

A: B: 08 15

Cw: Bw4/Bw6:

DRB1: 02 DQB1:

1 2 Applied:

	Priority	Sc.No	Center	Surname	First Nam	Age	Wait.Tim	Tx.No	Imm.Sta	AB0	AB0 mm.	AB mm.	DR mm.	DSA	CMV	HCV	HBSAG	Prev.mm	Spc Req
1	7		AR	Surname	First nam	65	3	2	LI	0	N: No	2	0		+	-	-	B15	
2	7		AR	Surname	First nam	61	16	1	NI	0	N: No	2	0		+	-	-		

When you do this an extra window pops-up

Define advanced query-filters

Saved queries

	Title	Owner	Changed
no prev.mm.	100064	15-Dec-2014	
DK-rule, children	100064	15-Dec-2014	

Page 1 of 1

Displaying 1 - 2 of 2

User defined query

New Apply to search Save Cancel

Title:

Query columns

Variable	Operator	Value(s)
☐	=: equal to	

Created: Changed:

To the left you can choose between predefined advanced search profiles.

Search for suitable kidney recipient

Search Reset

[Enter search parameters]

Donor: Donornumber:

Recipient center: AR: Aarhus Date of birth: 02-Dec-2014 AB0 Blood Group: 0

Serologic HLA

A: 1 2 B: Bw4/Bw6: DR: DQ:

Genomic HLA

A: B: 08 15 Bw4/Bw6: DRB1: 02 DQB1:

To be applied: [Prev.A-mm.]=N [Prev.DQ-mm.]=N [Prev.DR-mm.]=N [Prev.B-mm.]=N

Define advanced query-filters

Saved queries

Title	Owner	Changed
no prev.mm. 1	100064	15-Dec-2014
DK-rule, children	100064	15-Dec-2014

Page 1 of 1

Displaying 1 - 2 of 2

User defined query

New Apply to search Save Cancel

Title: no prev.mm. 2

Query columns

Variable	Operator	Value(s)
☒ 202709: Prev.A-mismatch	=: equal to	N
☒ 202902: Prev.DQ-mismatch	=: equal to	N
☒ 202901: Prev.DR-mismatch	=: equal to	N
☒ 202900: Prev.B-mismatch	=: equal to	N
☐	=: equal to	

Created: 15-Dec-2014 Changed: 15-Dec-2014

1. Start by clicking on the profile
 2. The parameters will automatically be transferred to the right screen, press 'apply to search'
 3. The parameters that you have chosen to apply will now be displayed
 4. Click on 'Search' to use the advance search filter
- If you wish to have more predefined search profiles available to more users, not editable, please contact the Scandiatriplant office.

7. Advanced search – creating own predefined profile(s)

You can create a variety of saved profiles by selecting between the different variables

Define advanced query-filters

Saved queries

Title	Owner	Changed
no prev.mm.	100064	15-Dec-2014
DK-rule, children	100064	15-Dec-2014

Page 1 of 1

Displaying 1 - 2 of 2

User defined query

New Apply to search Save Cancel

Title: Children < 18 years

Query columns

Variable	Operator	Value(s)
☒ 202695: Age	<: less than	18
☐	=: equal to	

Created: Changed:

In this example a search profile for children below 18 years is created. If you press the 'save' button the profile will be saved and it will be available to you as a 'saved query' in the future.

Define advanced query-filters

Saved queries

	Title	Owner	Changed
 	Children < 18 years	100062	16-Dec-2014
 	no prev.mm.	100064	15-Dec-2014
 	DK-rule, children	100064	15-Dec-2014

Page 1 of 1

Displaying 1 - 3 of 3

User defined query

New
Apply to search
Save
Cancel

Title: Children < 18 years

Query columns

	Variable	Operator	Value(s)
☒	202695: Age	<: less than	18
☐		=: equal to	

Created: 16-Dec-2014
Changed: 16-Dec-2014

You can make as many personally advance search profiles as you would like and you have the possibility to alter them and save the changes.