

Quality Control

New HLA quality control introduced May 15th, 2013.

Actively waiting patients with obsolete HLA as previous mismatch

1. introduction

In Scandiatransplant DR13 and DR14 are regarded as broad types which are used for matching and DR6 is considered obsolete. Therefore there is no direct link found in the database between DR13, 14 and 6.

Looking at the examples from the scheme below, it illustrates that there is a direct link between DR15 and DR2, but not between DR13 and DR6.

Series	Narrow	Broad (used for match)
DR	2	2
	3	3
	4	4
	5	5
	6	6
	13	13
	14	14
	15	2
	16	2
	17	3
	18	3

It is no longer possible to register recipients or donors as DR5 and DR6, however 'old' registrations exist in the database.

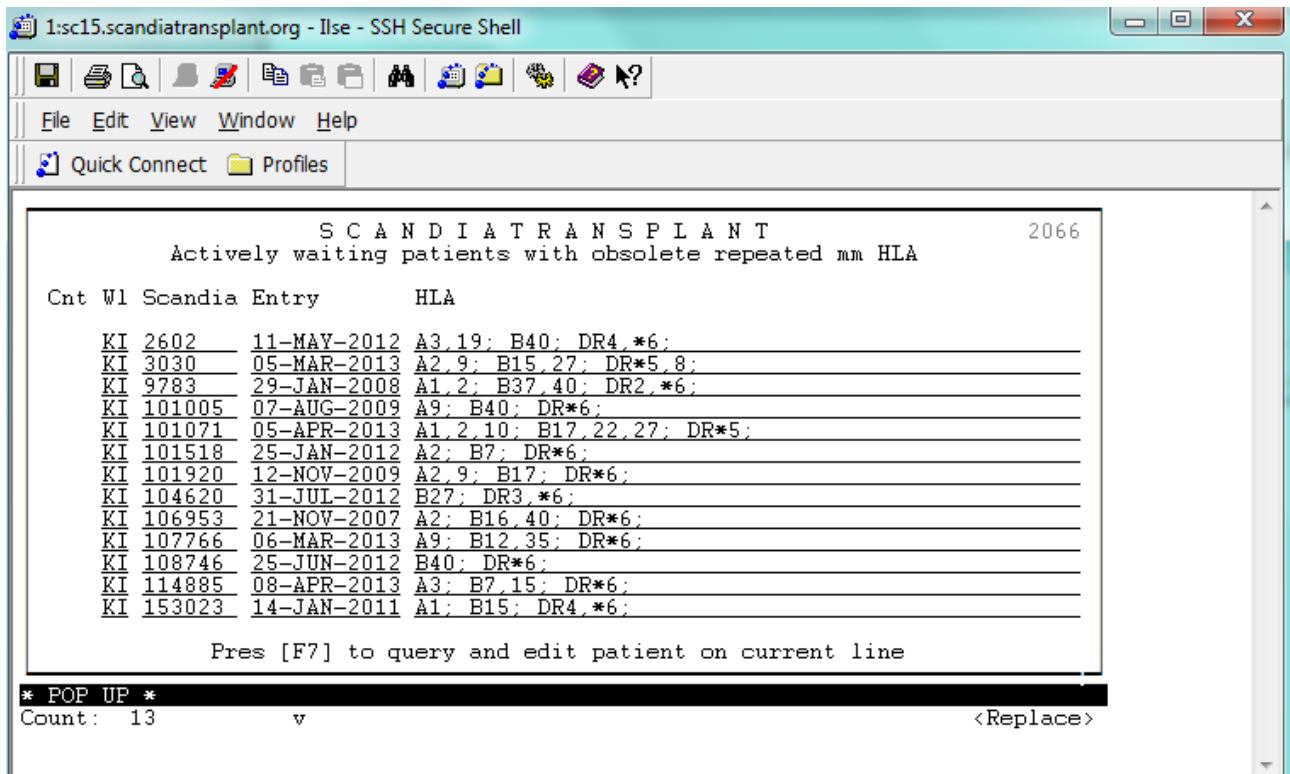
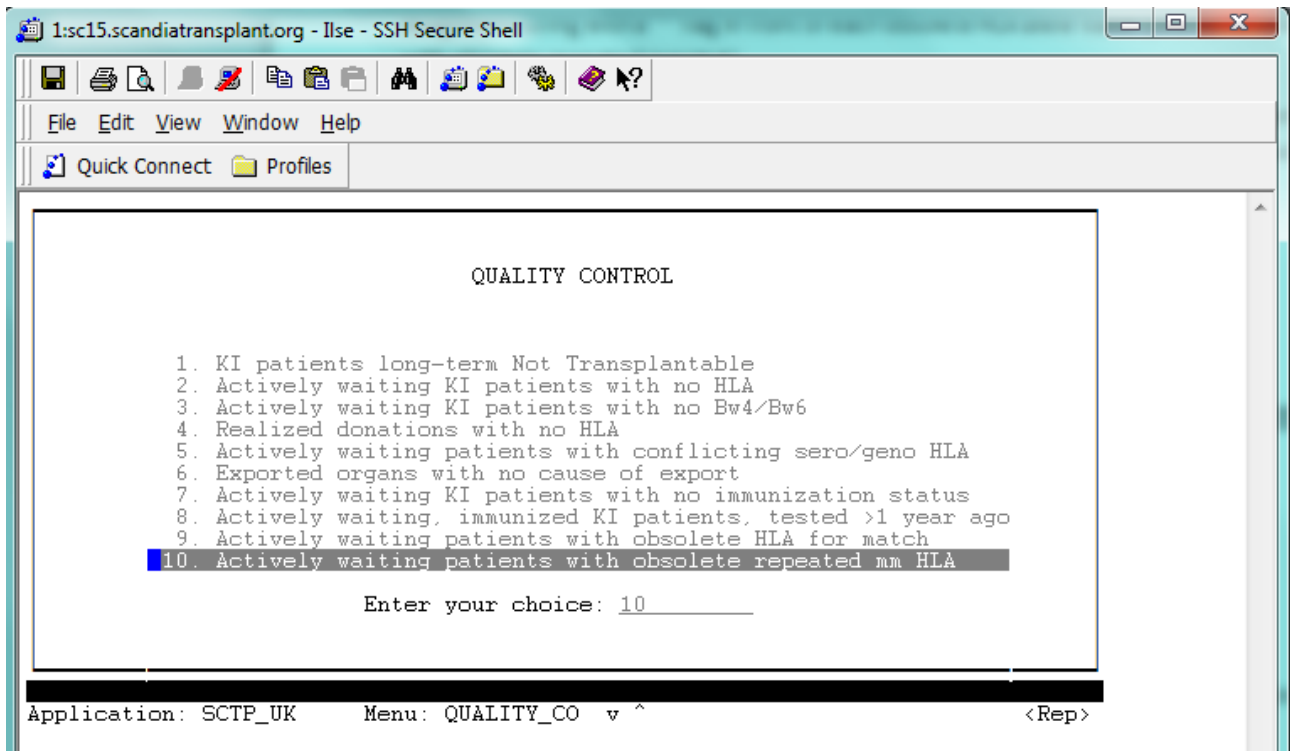
For quite some time there has been an entry in the QC menu which checks if actively waiting patients have obsolete HLA for match e.g. DR5 and DR6. At the office we regularly check this QC and contact the labs if updates are needed. (Menu: Actively waiting patients with obsolete HLA for match)

A new QC entry has been added to the quality control menu, which discloses if any recipients active on the waiting list have HLA types listed as repeated mismatch that are obsolete. The HLA result is presented as an assignment string with a '*' flag in front of each obsolete HLA allele value. (Menu: Actively waiting patients with obsolete repeated mm HLA)

The importance of resolving the cases listed in the QC differs between the Nordic tx. Centers, depending on two things, how you look upon transplanting against previous mismatches and how (much) you use the database in matching.

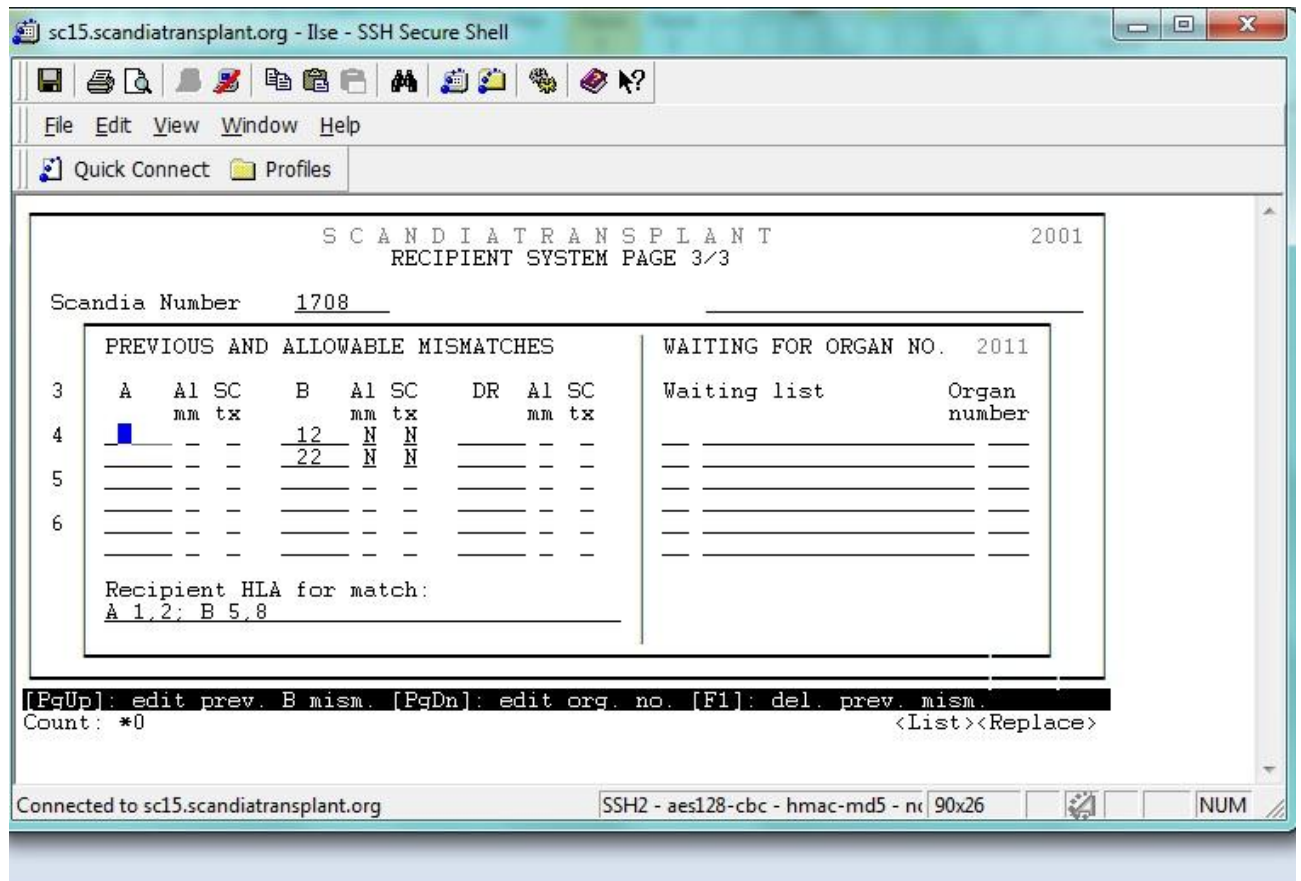
2. How to find the new quality control

Main menu → Quality control → Actively waiting patients with obsolete repeated mm HLA



3. How to handle the problem

1. If possible, the best solution is to retype DR on the donors involved
2. If this is not possible, use the screen 'Previous / allowable mismatches & Waiting for organ number'.



The screen was originally made for adding mismatches on transplantations performed before 1st of January 1995. The screen can also be used for adding for instance both DR13 and DR14 if the recipient has been transplanted with a DR6 positive kidney or allowing transplantation against previous mismatches.

Please be aware that using the above screen for adding mismatches will introduce a theoretical inconsistency, as e.g. one transplantation resulting in 3 DR mismatches.