

KIDNEY ADVISORY GROUP

MINIMUM RESOLUTION FOR REPORTING DONOR AND RECIPIENT HLA TYPES

A minimum resolution for reporting donor and patient HLA types was introduced to coincide with the implementation of the 2006 National Kidney Allocation Scheme **(Table 1)**.

Compliance with the minimum requirements is most important for deceased donors because of the impact on allocation. The donor HLA type is used to perform a virtual crossmatch for sensitised patients and incomplete information could lead to inappropriate allocation. Compliance with the minimum resolution is also important for living donors listed in the paired/pooled donation scheme.

Compliance with the repertoire is monitored and if a non-complaint type is received, the laboratory is contacted by the ODT Scientific Support staff. Compliance data have been routinely reported as an annual report to the KAG and communicated to Directors of H&I laboratories and Transplant Units.

High levels of compliance are achieved. Overall compliance for the period April 2016- March 2017 was 99.8% for deceased donor HLA types, 100% for living donor HLA types and 98% for recipient HLA types **(Table 2)**.

Action

Compliance with the reporting requirements for HLA types will continue to be monitored and laboratories contacted if non-compliant types are received. An annual report will be presented to the Advisory Groups and communicated to the Directors of H & I laboratories and Transplant Units.

Prof Susan Fuggle
Scientific Advisor

May 2017

Table 2

Compliance with Minimum HLA Typing Resolution
1st April 2016- 31st March 2017

Laboratory	Recipients		Living Donors		Deceased Donors	
	n=	%	n=	%	n=	%
Belfast	117	100%	115	100%	55	100%
Bristol	109	100%	22	100%	90	99% ^{*2}
Birmingham	240	100%	88	100%	153	100%
Cambridge	194	100%	43	100%	137	100%
Cardiff	124	100%	38	100%	68	99% ^{*2}
Edinburgh	117	100%	44	100%	89	100%
Glasgow	174	100%	45	100%	82	100%
Guys	318	100%	119	100%	115	100%
Hammersmith	214	100%	48	100%	78	100%
Leeds	163	100%	40	100%	112	100%
Leicester	83	100%	30	100%	41	100%
Liverpool	98	64% ^{*1}	50	100%	96	100%
Manchester	306	100%	97	100%	162	100%
Newcastle	192	100%	71	100%	116	100%
Oxford	222	100%	78	100%	90	100%
Plymouth	61	100%	24	100%	53	100%
Royal Free	128	100%	39	100%	39	97% ^{*3}
Royal London	158	100%	45	100%	89	98% ^{*2,3}
Sheffield	166	100%	36	100%	89	100%
Tooting	183	100%	66	100%	218	100%
Total	3367	98%	1138	100%	1972	99.8%

^{*1} HLA-C/DR51/52/53/DQ not reported

^{*2} DR53N not identified

^{*3} DR3 not split