

MANCHESTER TRANSPLANTATION 50 YEARS

Titus Augustine
Clinical Director

WELCOME TO THE NORTH OF ENGLAND WELCOME TO MANCHESTER (It exists !)



A REBORN CITY



MANCHESTER UNIVERSITY FOUNDATION TRUST



THE ISLAND SITE OF THE UNIVERSITY HOSPITALS



FIRST SUCCESSFUL KIDNEY TRANSPLANTATION

First successful transplantation between two identical twins in 1954 by the Murray, Merrill and Harrison team.



- I had worked on dogs for a couple of years developing a renal transplant operation. We had dogs running around with kidneys we had transplanted back into themselves.
- Joe Murray



GLOBAL TRANSPLANTATION LAST 50 YEARS

- FROM PIONEERING SURGERY TO WELL ESTABLISHED TECHNIQUE FOR ORGAN FAILURE
- EXCELLENT OUTCOMES FOR KIDNEY, LIVER, PANCREAS, HEART, LUNG AND ISLETS
- SPECTRUM OF PROBLEMS HAVE SHIFTED FROM SURGICAL AND IMMEDIATE TO IMMUNOLOGICAL AND LONG TERM GRAFT SURVIVAL
- INCREASING SPECTRUM OF POTENTIAL ORGANS THAT CAN BE TRANSPLANTED

LIMB TRANSPLANTS



UTERINE TRANSPLANTS



World's First Mother Daughter Womb Transplant: September 22, 2012

- Two Swedish women have received new wombs donated by their mothers in the first mother-to-daughter uterine transplants.
- "The mothers who donated their uteruses are already up and walking and are going to be able to go home within a few days"



Both recipients have delivered healthy children to date.

HEAD TRANSPLANTS

- IMMORTALITY POSSIBLE? World's first human head transplant 'successfully' carried out
- THE world's first human head transplant has been "successfully" carried out after an 18-hour procedure in China, it was today claimed.
- By [JON AUSTIN](#)
- PUBLISHED: 16:35, Fri, Nov 17, 2017 | UPDATED: 16:56, Fri, Nov 17, 2017



A TRIBUTE TO PATIENTS

- “The success of transplantation is largely due to the bravery of those who undergo it.”
 - Sir Peter Medawar

A tribute to the 6500 transplant patients who have passed through our department

THE MYRAID STRANDS OF TRANSPLANTATION

- PERHAPS THE FINEST EXAMPLE OF THE DEVELOPMENT OF MEDICAL SCIENCE
- SURGICAL TECHNIQUES CLOSELY INTERLINKED WITH IMMUNOLOGY AND MEDICAL AND PHARMACOLOGICAL ADVANCES
- IT IS ONE AREA OF MEDICINE WHERE THE BEST AND WORST OF HUMAN VALUES CONVERGE TO IMPACT ON HUMAN LIVES ON DONORS AND RECIPIENTS. ALTRUISM, LIFE, DEATH, GREED, SELFLESSNESS, RELIGION, FAMILY TIES
- WE AS THE TRANSPLANT PROFESSIONALS ARE PRIVILEGED BE PART OF THE DRAMA AND THE OF THE LIVES OF THE PATIENTS AND DONORS

AIMS OF THIS MEETING

- EXPLORE SEVERAL STRANDS OF TRANSPLANTATION IN THE CONTEXT OF LIVING DONATION
- PONDER ON SOME DILEMMAS THAT ARE REGULARLY EXPERIENCED BY TEAMS
- EXPLORE TRAINING, PRACTICE, RISK, ADVANCES, TECHNOLOGY
- TO REFLECT ON THE UNQUANTIFIABLE ASPECTS OF HUMAN NATURE THAT AFFECT THE PROFESSION

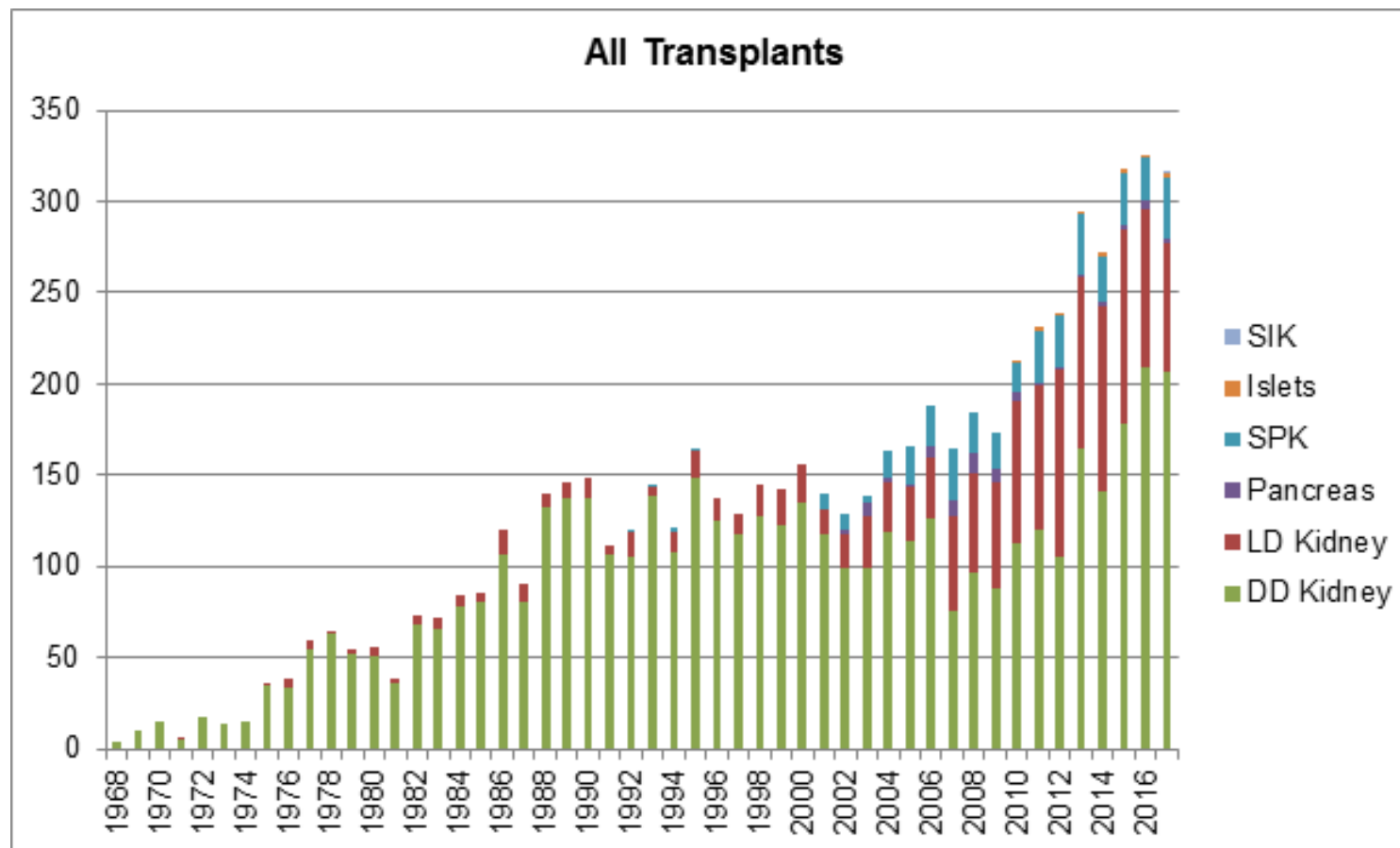
THE SPEAKERS



MANCHESTER UNIT BACKGROUND

- DEVELOPED IN THE UNIVERSITY OF MANCHESTER DEPARTMENT OF SURGERY
- OVER THE YEARS HAS DEVELOPED INTO THE LARGEST KIDNEY TRANSPLANT UNIT IN THE UNITED KINGDOM
- **THE 1ST TRANSPLANT DONE ON 22ND MARCH 1968**
- **THE 6500TH TRANSPLANT DONE ON 21ST MARCH 2018**

THE TRAJECTORY OVER 50 YEARS



PHILOSOPHY

- **DELIVER A COMPLETE RENAL FAILURE SURGERY SERVICE**
- **JOINT SURGERY / NEPHROLOGY SERVICE**
- **TRANSPLANTATION FIRST**
- **A FAIRLY LIBERAL POLICY WITH LISTING ACCEPTING RISK**
- **INNOVATION TECHNOLOGY AND ADVANCEMENT**
- **RESEARCH AND ACADEMICS AND TRAINING**
- **DELIVERED THROUGH A TEAM WHERE EVERYONE'S OPINION COUNTS**

ROBERT JOHNSON



HALF A CENTURY OF GROWTH AND DEVELOPMENT

- KIDNEY TRANSPLANTATION
- SOLID PANCREAS TRANSPLANTATION
- ISLET TRANSPLANTATION
- ORGAN RETRIEVAL
- VASCULAR ACCESS
- PERITONEAL DIALYSIS ACCESS
- ENCAPSULATING PERITONEAL SCLEROSIS SURGERY
- ENDOCRINE SURGERY
- ABDOMINAL WALL RECONSTRUCTION / LAPAROSCOPIC HERNIAS
- MISCELLANEOUS

MILESTONES TO 50

- | | |
|---|----------------|
| • 1 st Deceased Donor Transplant | March 1968 |
| • 1 ST Live Donor Transplant | 1970 |
| • 1 st Pancreas Transplant | 1991 |
| • Laparoscopic donor nephrectomy | 2002 |
| • 1 ST DCD Transplant | September 2008 |
| • 1 st Dual Kidney Transplant | July 2015 |
| • 1st SIK TRANSPLANT | March 2017 |

NATIONAL FIRSTS

- FIRST DCD SPK
- OLDEST ALTRUISTIC DONOR IN COUNTRY AND ? WORLD (86.5 YRS)
- FIRST SIMULTANEOUS LIVING DONOR KIDNEY AND DECEASED DONOR PANCREAS TRANSPLANT
- OLDEST KIDNEY RECIPIENT AT 82 YRS (NOW ALIVE at 92 yrs old)
- YOUNGEST SPK RECIPIENT
- SIMULTANEOUS TWIN TRANSPLANTS



KIDNEY TRANSPLANTATION

Figure 3.2 Adult patients on the active kidney only transplant list at 31 March 2017, by centre

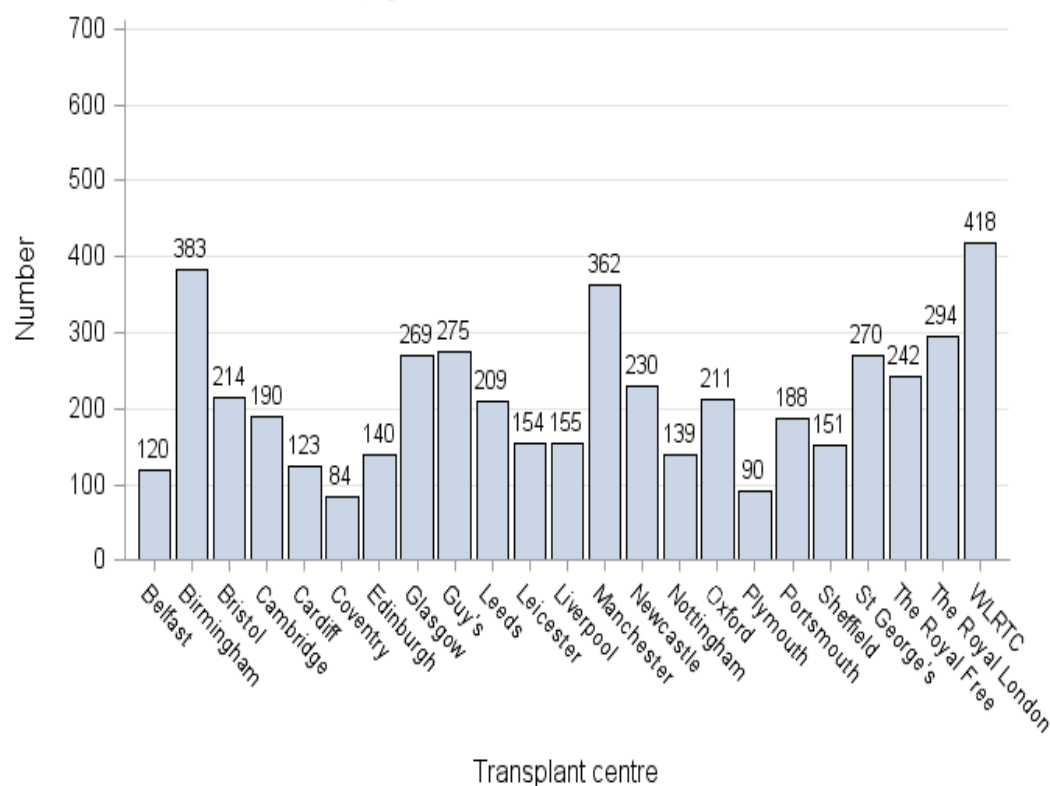
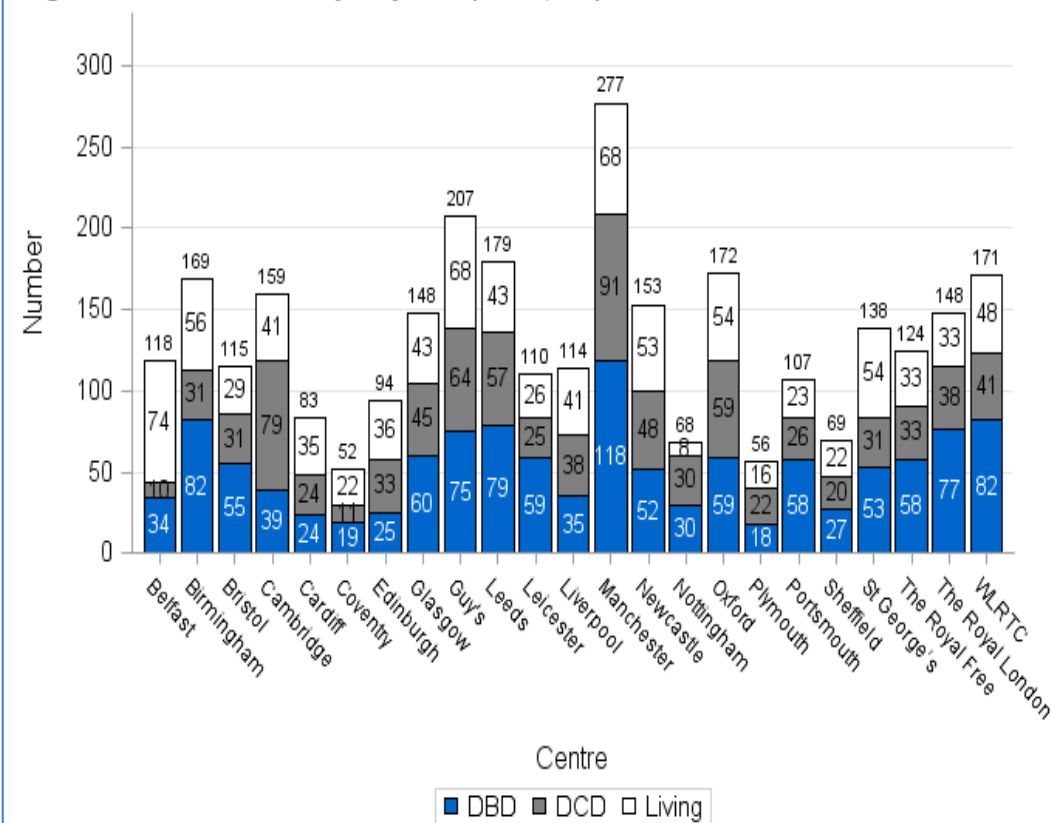


Figure 5.2 Adult kidney only transplants, 1 April 2016 - 31 March 2017



STANDARD AND EXTENDED CRITERIA DONOR DECLINE RATES

Centre	Code	2014/15		2015/16		2016/17		Overall	
		N	(%)	N	(%)	N	(%)	N	(%)
Belfast	A	18	(39)	26	(46)	26	(42)	70	(43)
Birmingham	B	94	(71)	93	(53)	90	(69)	277	(64)
Bristol	C	44	(50)	84	(65)	73	(64)	201	(62)
Cambridge	D	32	(56)	23	(52)	19	(58)	74	(55)
Cardiff	E	11	(64)	19	(68)	31	(81)	61	(74)
Coventry	F	17	(65)	10	(50)	12	(67)	39	(62)
Edinburgh	G	28	(64)	31	(74)	32	(69)	91	(69)
Glasgow	H	35	(49)	58	(52)	67	(51)	160	(51)
Guy's	J	30	(50)	53	(45)	61	(59)	144	(52)
Leeds	K	27	(41)	29	(38)	30	(50)	86	(43)
Leicester	L	89	(80)	40	(60)	41	(49)	170	(68)
Liverpool	M	28	(68)	32	(63)	32	(56)	92	(62)
Manchester	N	62	(60)	102	(41)	80	(38)	244	(45)
Newcastle	O	18	(56)	28	(57)	33	(55)	79	(56)
Nottingham	P	16	(69)	23	(48)	24	(38)	63	(49)
Oxford	Q	17	(47)	33	(61)	49	(51)	99	(54)
Plymouth	R	11	(36)	10	(20)	15	(47)	36	(36)
Portsmouth	S	44	(34)	38	(55)	49	(45)	131	(44)
Sheffield	T	41	(66)	37	(68)	43	(72)	121	(69)
St George's	U	38	(45)	56	(59)	68	(63)	162	(57)
The Royal Free	V	24	(46)	32	(59)	43	(56)	99	(55)
The Royal London	W	44	(55)	52	(73)	77	(71)	173	(68)
WLRTC	X	72	(58)	84	(51)	90	(61)	246	(57)
UK		840	(58)	993	(55)	1085	(58)	2918	(57)

Centre has reached the upper 99.8% confidence limit
 Centre has reached the upper 95% confidence limit
 Centre has reached the lower 95% confidence limit
 Centre has reached the lower 98.8% confidence limit

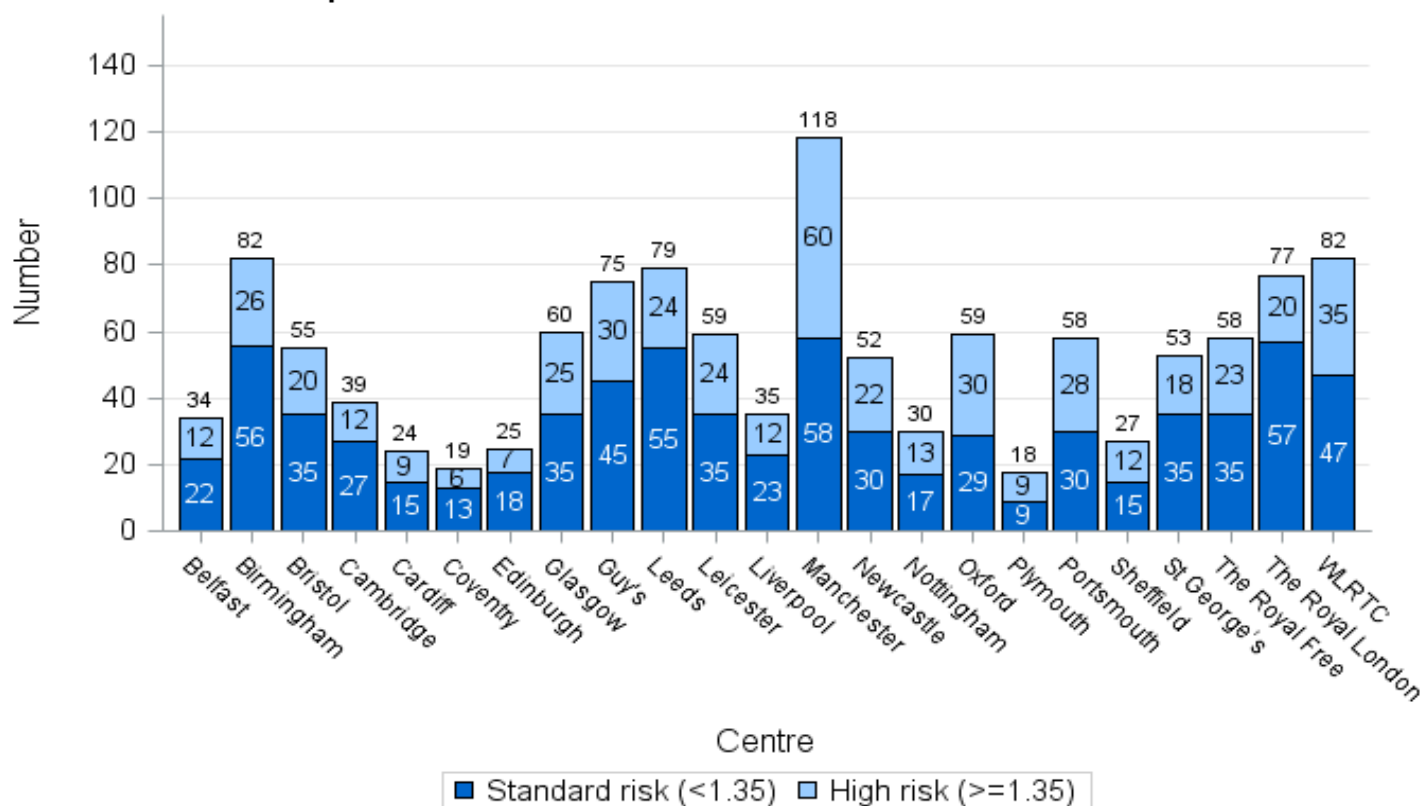
Centre	Code	2014/15		2015/16		2016/17		Overall	
		N	(%)	N	(%)	N	(%)	N	(%)
Belfast	A	5	(40)	16	(50)	10	(60)	31	(52)
Birmingham	B	10	(80)	29	(62)	21	(57)	60	(63)
Bristol	C	13	(46)	32	(47)	27	(44)	72	(46)
Cambridge	D	7	(14)	13	(15)	10	(20)	30	(17)
Cardiff	E	3	(67)	8	(75)	13	(23)	24	(46)
Coventry	F	1	(0)	6	(67)	11	(55)	18	(56)
Edinburgh	G	5	(20)	23	(43)	16	(50)	44	(43)
Glasgow	H	5	(20)	34	(26)	34	(50)	73	(37)
Guy's	J	15	(33)	16	(56)	26	(38)	57	(42)
Leeds	K	9	(0)	15	(33)	23	(35)	47	(28)
Leicester	L	11	(55)	15	(67)	6	(17)	32	(53)
Liverpool	M	2	(0)	19	(58)	15	(53)	36	(53)
Manchester	N	5	(20)	28	(29)	26	(19)	59	(24)
Newcastle	O	9	(33)	12	(33)	12	(58)	33	(42)
Nottingham	P	2	(50)	13	(38)	7	(57)	22	(45)
Oxford	Q	4	(25)	19	(37)	11	(27)	34	(32)
Plymouth	R	4	(0)	8	(38)	5	(20)	17	(24)
Portsmouth	S	9	(56)	22	(68)	14	(43)	45	(58)
Sheffield	T	6	(50)	20	(55)	9	(56)	35	(54)
St George's	U	15	(47)	21	(48)	22	(55)	58	(50)
The Royal Free	V	10	(50)	12	(25)	20	(35)	42	(36)
The Royal London	W	22	(36)	22	(27)	33	(27)	77	(30)
WLRTC	X	26	(54)	33	(58)	35	(49)	94	(53)
UK		198	(40)	436	(45)	406	(42)	1040	(43)

Centre has reached the upper 99.8% confidence limit
 Centre has reached the upper 95% confidence limit
 Centre has reached the lower 95% confidence limit
 Centre has reached the lower 98.8% confidence limit



CENTRE TRANSPLANTING HIGHEST DONOR RISK INDEX KIDNEYS

Figure 5.11 UK Kidney Donor Risk Index of transplanted DBD donor kidneys
1 April 2016 - 31 March 2017



ONE AND FIVE YEAR GRAFT AND PATIENT SURVIVAL

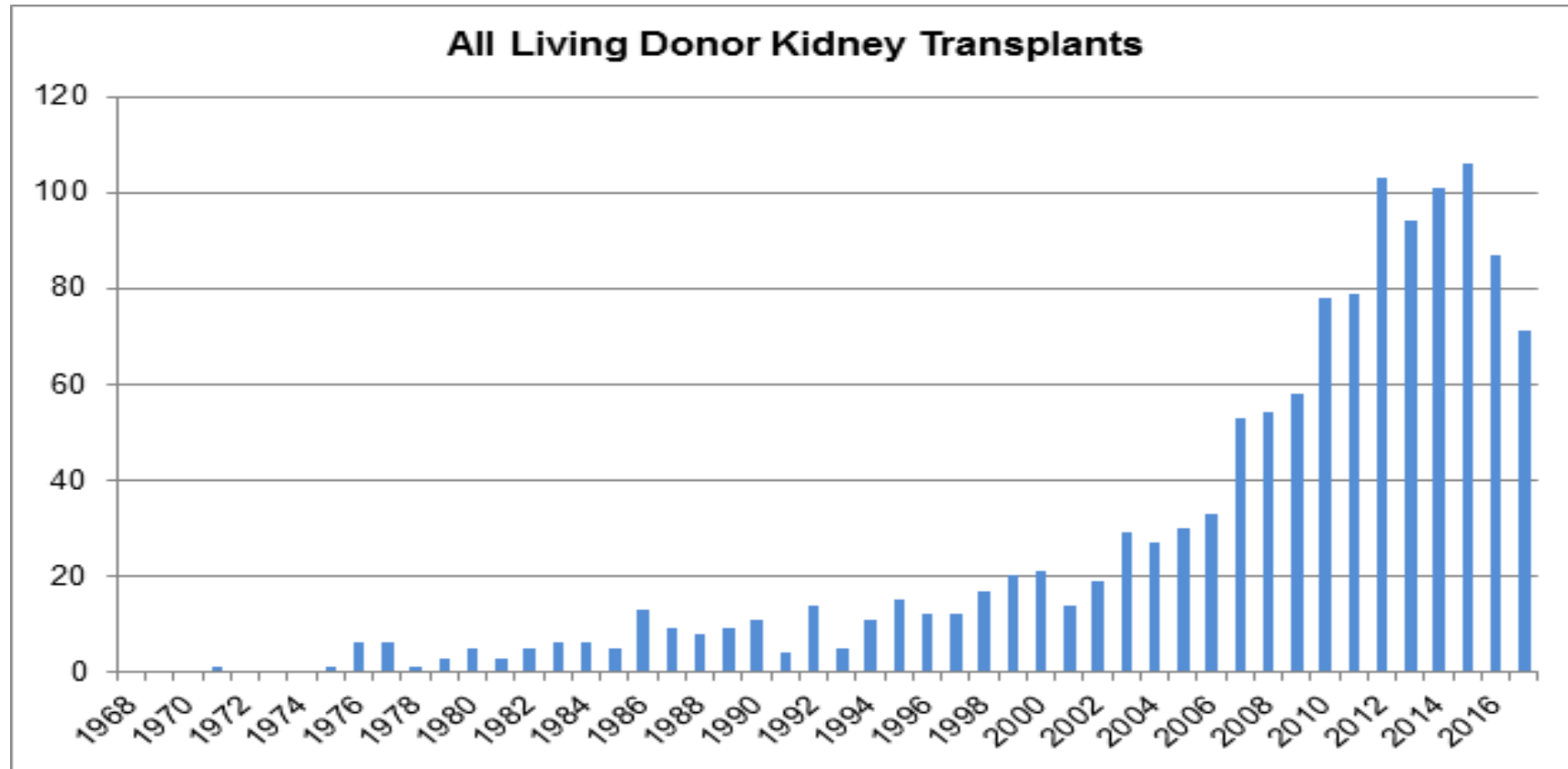
Centre	Code	Kidney graft survival				Patient survival			
		One-year*		Five-year**		One-year*		Five-year**	
		%	(95% CI)	%	(95% CI)	%	(95% CI)	%	(95% CI)
Belfast	A	94	(87 - 98)	85	(74 - 92)	97	(92 - 99)	81	(68 - 90)
Birmingham	B	94	(91 - 96)	82	(76 - 87)	97	(95 - 99)	92	(86 - 95)
Bristol	C	96	(93 - 98)	87	(80 - 92)	95	(91 - 98)	89	(82 - 93)
Cambridge	D	96	(94 - 98)	89	(85 - 92)	97	(94 - 99)	88	(84 - 92)
Cardiff	E	96	(93 - 98)	91	(87 - 95)	95	(92 - 98)	88	(83 - 91)
Coventry	F	94	(86 - 98)	77	(64 - 87)	94	(85 - 98)	85	(74 - 93)
Edinburgh	G	96	(91 - 98)	86	(79 - 91)	98	(93 - 100)	89	(83 - 93)
Glasgow	H	92	(89 - 95)	91	(86 - 95)	96	(92 - 98)	91	(86 - 95)
Guy's	J	93	(90 - 96)	90	(85 - 94)	97	(95 - 99)	90	(84 - 94)
Leeds	K	94	(91 - 96)	84	(79 - 88)	97	(95 - 99)	86	(81 - 90)
Leicester	L	95	(91 - 97)	88	(81 - 93)	98	(96 - 100)	90	(83 - 95)
Liverpool	M	95	(91 - 98)	87	(81 - 91)	95	(91 - 98)	81	(74 - 87)
Manchester	N	97	(95 - 99)	88	(84 - 92)	96	(93 - 97)	90	(86 - 93)
Newcastle	O	95	(92 - 98)	83	(76 - 88)	95	(92 - 98)	83	(77 - 89)
Nottingham	P	95	(91 - 98)	86	(79 - 91)	98	(95 - 100)	85	(78 - 91)
Oxford	Q	95	(91 - 97)	89	(83 - 93)	98	(95 - 99)	87	(81 - 91)
Plymouth	R	91	(83 - 96)	81	(73 - 87)	94	(88 - 98)	91	(86 - 95)
Portsmouth	S	91	(85 - 95)	86	(78 - 92)	95	(91 - 98)	88	(81 - 93)
Sheffield	T	95	(90 - 98)	86	(78 - 92)	97	(93 - 99)	89	(82 - 94)
St George's	U	93	(89 - 95)	89	(82 - 94)	98	(95 - 99)	94	(87 - 97)
The Royal Free	V	94	(91 - 97)	89	(84 - 93)	98	(95 - 99)	91	(86 - 95)
The Royal London	W	90	(85 - 94)	83	(77 - 88)	94	(90 - 97)	83	(76 - 88)
WLRTC	X	96	(93 - 98)	85	(79 - 89)	97	(95 - 99)	91	(86 - 94)
UK		95	(94 - 95)	87	(86 - 88)	97	(96 - 97)	88	(87 - 89)

Centre has reached the upper 98.8% confidence limit
 Centre has reached the upper 95% confidence limit
 Centre has reached the lower 95% confidence limit
 Centre has reached the lower 99.8% confidence limit

* Includes transplants performed between 1 April 2012 - 31 March 2016
 ** Includes transplants performed between 1 April 2008 - 31 March 2012

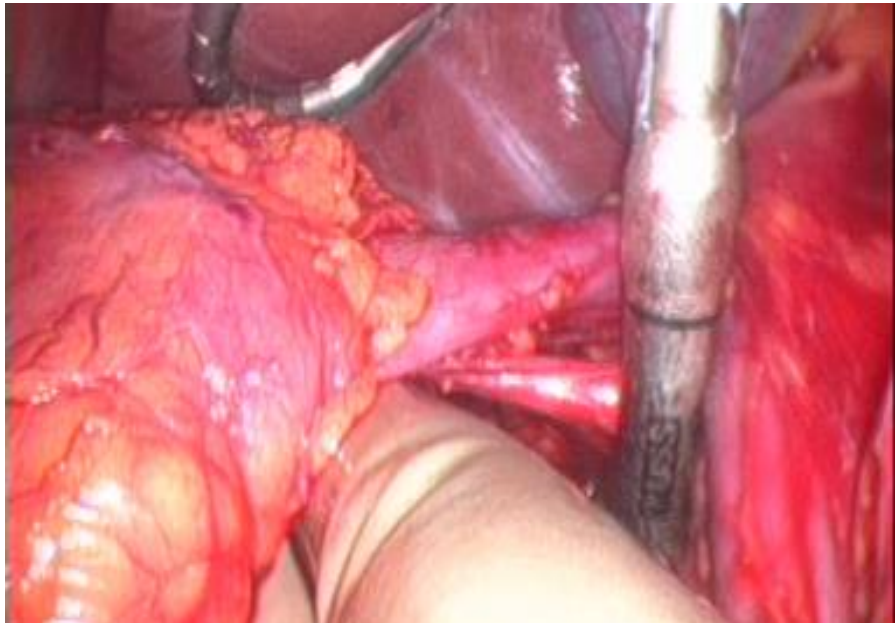


LIVING DONOR ACTIVITY

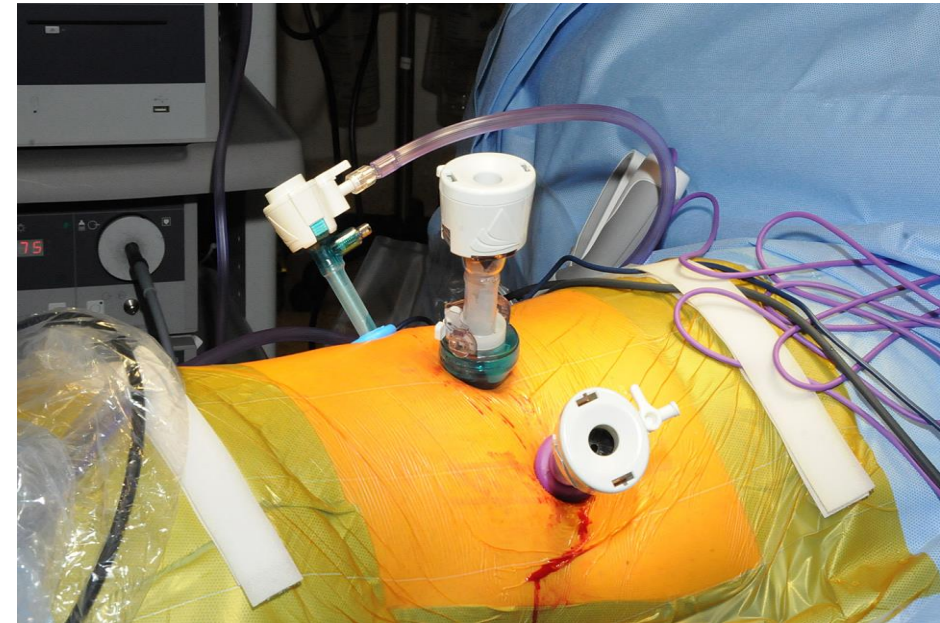


LAPAROSCOPIC LIVING DONATION

HAND ASSISTED



RETROPERITONEAL



LIVING DONOR OUTCOMES

Table 6.2 One and five year first adult kidney-only graft and patient survival using kidneys from living donors

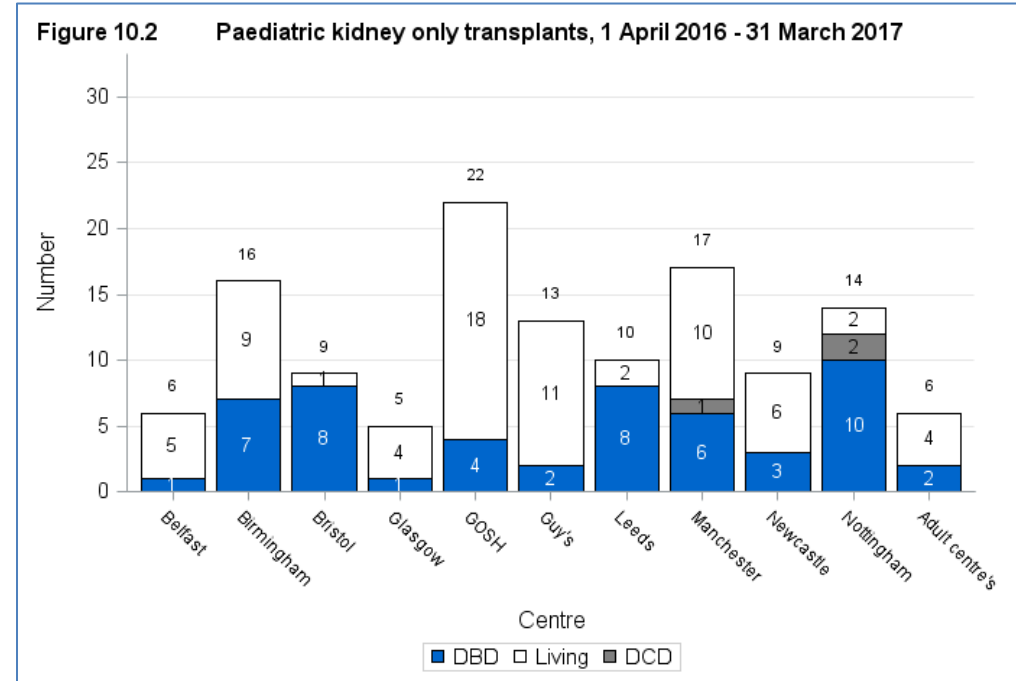
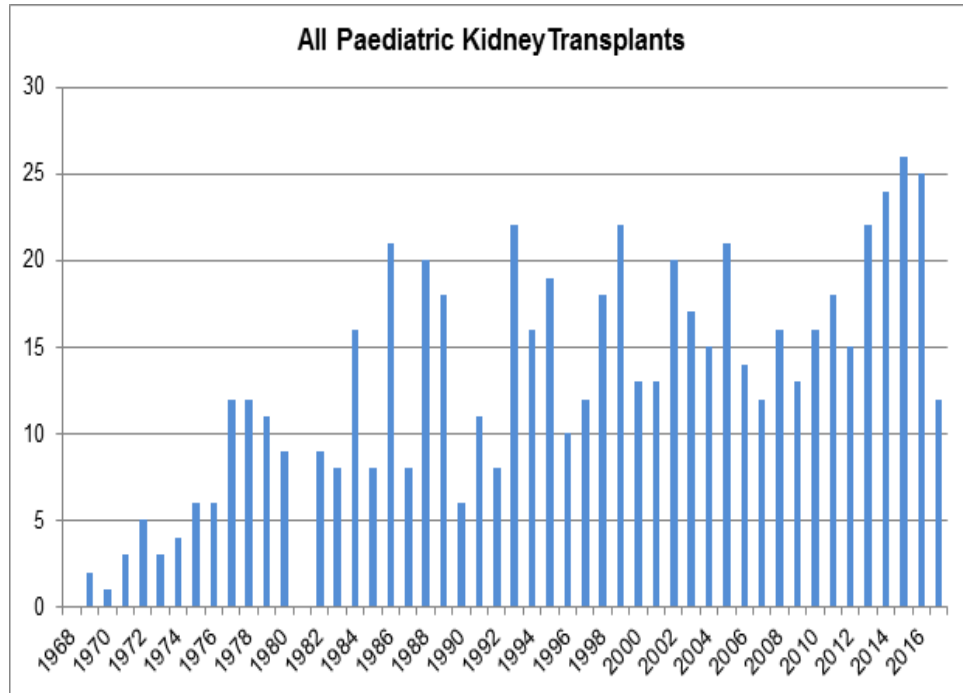
Centre	Code	Kidney graft survival				Patient survival			
		One-year*		Five-year**		One-year*		Five-year**	
		%	(95% CI)	%	(95% CI)	%	(95% CI)	%	(95% CI)
Belfast	A	97	(92 - 99)	95	(87 - 98)	100	N/A	94	(85 - 98)
Birmingham	B	97	(94 - 99)	93	(89 - 96)	98	(95 - 99)	95	(90 - 98)
Bristol	C	97	(93 - 99)	95	(90 - 98)	100	N/A	95	(89 - 98)
Cambridge	D	99	(95 - 100)	94	(88 - 97)	99	(93 - 100)	93	(86 - 97)
Cardiff	E	96	(91 - 99)	92	(84 - 96)	96	(90 - 99)	98	(93 - 100)
Coventry	F	100	N/A	92	(84 - 97)	100	N/A	94	(85 - 98)
Edinburgh	G	100	N/A	89	(80 - 95)	100	N/A	93	(85 - 98)
Glasgow	H	96	(92 - 99)	92	(84 - 96)	100	N/A	91	(80 - 97)
Guy's	J	98	(94 - 99)	94	(91 - 97)	98	(95 - 100)	94	(90 - 97)
Leeds	K	98	(93 - 100)	89	(81 - 94)	99	(95 - 100)	95	(90 - 98)
Leicester	L	98	(95 - 100)	90	(84 - 94)	98	(93 - 100)	93	(86 - 96)
Liverpool	M	97	(91 - 99)	88	(79 - 94)	98	(94 - 100)	96	(89 - 99)
Manchester	N	97	(94 - 99)	95	(91 - 98)	99	(98 - 100)	93	(88 - 96)
Newcastle	O	99	(95 - 100)	94	(88 - 97)	100	N/A	95	(90 - 98)
Nottingham	P	96	(84 - 99)	89	(77 - 96)	98	(86 - 100)	94	(82 - 99)
Oxford	Q	96	(91 - 99)	94	(90 - 97)	99	(96 - 100)	94	(89 - 98)
Plymouth	R	98	(91 - 100)	90	(76 - 97)	100	N/A	94	(83 - 99)
Portsmouth	S	100	N/A	94	(84 - 98)	99	(94 - 100)	91	(79 - 97)
Sheffield	T	98	(93 - 100)	97	(90 - 100)	98	(90 - 100)	98	(89 - 100)
St George's	U	98	(94 - 100)	94	(89 - 97)	99	(96 - 100)	95	(90 - 98)
The Royal Free	V	99	(95 - 100)	95	(89 - 98)	100	N/A	95	(89 - 98)
The Royal London	W	98	(94 - 99)	89	(82 - 94)	99	(94 - 100)	94	(85 - 98)
WLRTC	X	97	(94 - 99)	90	(84 - 94)	99	(96 - 100)	94	(90 - 97)
UK		98	(97 - 98)	93	(92 - 94)	99	(99 - 99)	94	(93 - 95)

Centre has reached the upper 98.8% confidence limit
 Centre has reached the upper 95% confidence limit
 Centre has reached the lower 95% confidence limit
 Centre has reached the lower 99.8% confidence limit

* Includes transplants performed between 1 april 2012 - 31 March 2016
 ** Includes transplants performed between 1 april 2008 - 31 March 2012



PAEDIATRIC TRANSPLANTATION



PAEDIATRIC TRANSPLANT OUTCOMES

Table 11.2 One and five year first adult kidney-only graft and patient survival using kidneys from living donors

Centre	Code	Kidney graft survival				Patient survival			
		One-year*		Five-year**		One-year*		Five-year**	
		%	(95% CI)	%	(95% CI)	%	(95% CI)	%	(95% CI)
Belfast	A	100	N/A	100	N/A	100	N/A	100	N/A
Birmingham	B	100	N/A	91	(67 - 99)	100	N/A	100	N/A
Bristol	C	88	(57 - 99)	85	(57 - 97)	95	(74 - 100)	96	(76 - 100)
GOSH	I	100	N/A	86	(71 - 94)	100	N/A	98	(89 - 100)
Glasgow	H	100	N/A	83	(49 - 96)	100	N/A	100	N/A
Guy's	J	98	(89 - 100)	81	(61 - 92)	100	N/A	100	N/A
Leeds	K	92	(57 - 100)	100	N/A	100	N/A	92	(55 - 100)
Manchester	N	96	(87 - 100)	86	(69 - 95)	100	N/A	95	(81 - 99)
Newcastle	O	100	N/A	89	(39 - 100)	100	N/A	100	N/A
Nottingham	P	92	(57 - 100)	73	(1 - 97)	87	(27 - 100)	90	(47 - 100)
UK		97	(95 - 99)	86	(81 - 90)	99	(97 - 100)	97	(94 - 99)

* Includes transplants performed between 1 April 2012 - 31 March 2016

** Includes transplants performed between 1 April 2008 - 31 March 2012

Table 11.1 One and five year first adult kidney-only graft and patient survival using kidneys from deceased donors

Centre	Code	Kidney graft survival				Patient survival			
		One-year*		Five-year**		One-year*		Five-year**	
		%	(95% CI)	%	(95% CI)	%	(95% CI)	%	(95% CI)
Belfast	A	100	N/A	100	N/A	100	N/A	100	N/A
Birmingham	B	97	(83 - 100)	72	(40 - 90)	100	N/A	100	N/A
Bristol	C	95	(72 - 100)	81	(57 - 94)	100	N/A	96	(79 - 100)
GOSH	I	98	(87 - 100)	72	(52 - 86)	100	N/A	100	N/A
Glasgow	H	100	N/A	91	(49 - 100)	100	N/A	100	N/A
Guy's	J	100	N/A	83	(57 - 95)	100	N/A	91	(68 - 99)
Leeds	K	100	N/A	86	(67 - 95)	100	N/A	94	(80 - 99)
Manchester	N	94	(67 - 100)	92	(57 - 100)	89	(40 - 100)	88	(56 - 99)
Newcastle	O	100	N/A	100	N/A	100	N/A	100	N/A
Nottingham	P	100	N/A	86	(70 - 95)	100	N/A	100	N/A
UK		97	(94 - 99)	83	(78 - 87)	99	(96 - 100)	97	(94 - 99)

* Includes transplants performed between 1 April 2012 - 31 March 2016

** Includes transplants performed between 1 April 2008 - 31 March 2012



SOLID PANCREAS TRANSPLANT ACTIVITY

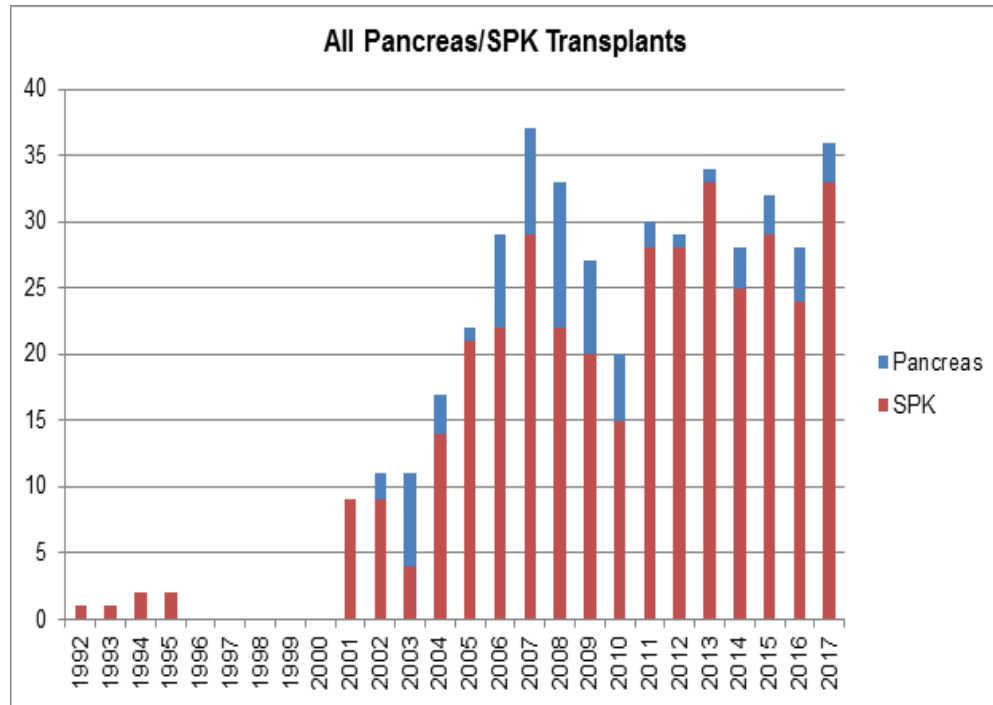
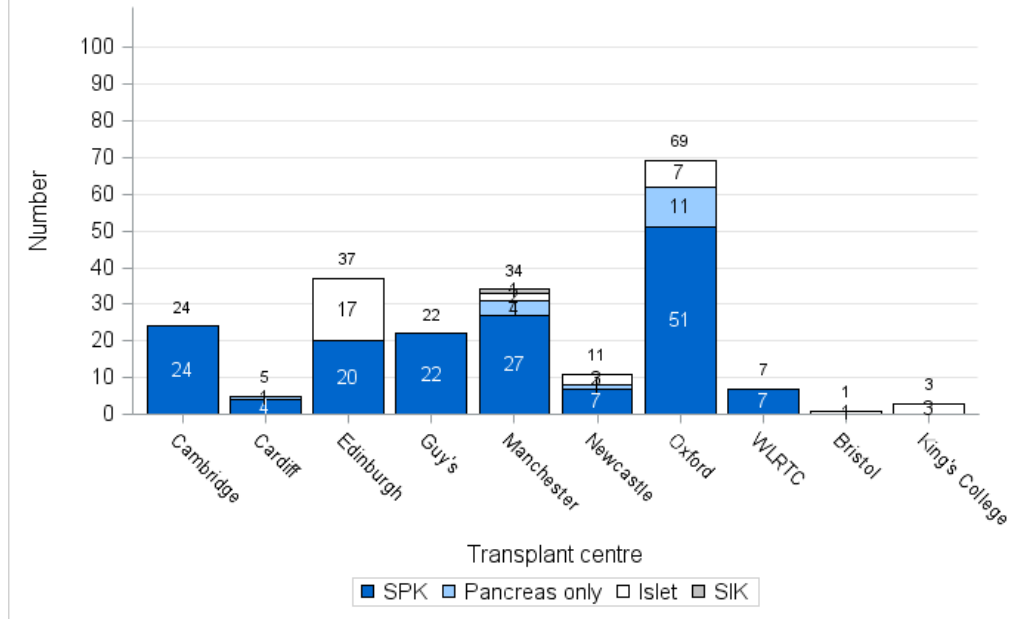


Figure 2.4 Pancreas and islet transplants, 1 April 2016 - 31 March 2017, by centre and transplant type



PANCREAS TRANSPLANT OUTCOMES

Table 6.2 Risk-adjusted one and five year pancreas graft survival for first SPK transplants using pancreases from deceased donors

Centre	Code	N	pancreas graft survival			
			One-year*		Five-year**	
			%	(95% CI)	N	% (95% CI)
Cambridge	A	83	96	(89 - 99)	81	88 (77 - 94)
Cardiff	B	32	89	(71 - 97)	29	73 (47 - 88)
Edinburgh	C	72	79	(63 - 89)	49	83 (67 - 93)
Guy's	D	110	83	(74 - 90)	86	81 (69 - 89)
Manchester	E	114	85	(75 - 91)	84	72 (57 - 82)
Newcastle	F	21	88	(56 - 99)	25	59 (27 - 80)
Oxford	G	215	90	(85 - 94)	224	81 (74 - 86)
WLRTC	H	31	96	(76 - 100)	45	62 (38 - 78)
UK		678	88	(86 - 90)	623	78 (75 - 81)

	Centre has reached the lower 99.8% confidence limit
	Centre has reached the lower 95% confidence limit
	Centre has reached the upper 95% confidence limit
	Centre has reached the upper 98.8% confidence limit

* Includes transplants performed between 1 April 2012 - 31 March 2016

** Includes transplants performed between 1 April 2008 - 31 March 2012

Table 6.1 Risk-adjusted one and five year patient survival for first SPK transplants using pancreases from deceased donors

Centre	Code	N	patient survival			
			One-year*		Five-year**	
			%	(95% CI)	N	% (95% CI)
Cambridge	A	76	100	N/A	81	92 (80 - 97)
Cardiff	B	31	95	(71 - 100)	29	91 (68 - 99)
Edinburgh	C	71	96	(88 - 99)	47	93 (81 - 99)
Guy's	D	110	94	(85 - 98)	83	97 (89 - 100)
Manchester	E	112	97	(92 - 99)	82	85 (73 - 93)
Newcastle	F	20	100	N/A	25	86 (59 - 97)
Oxford	G	209	97	(93 - 99)	213	89 (84 - 93)
WLRTC	H	30	97	(82 - 100)	43	67 (37 - 85)
UK		659	97	(95 - 98)	603	89 (86 - 91)

	Centre has reached the lower 99.8% confidence limit
	Centre has reached the lower 95% confidence limit
	Centre has reached the upper 95% confidence limit
	Centre has reached the upper 98.8% confidence limit

* Includes transplants performed between 1 April 2012 - 31 March 2016

** Includes transplants performed between 1 April 2008 - 31 March 2012



ISLET TRANSPLANT ACTIVITY

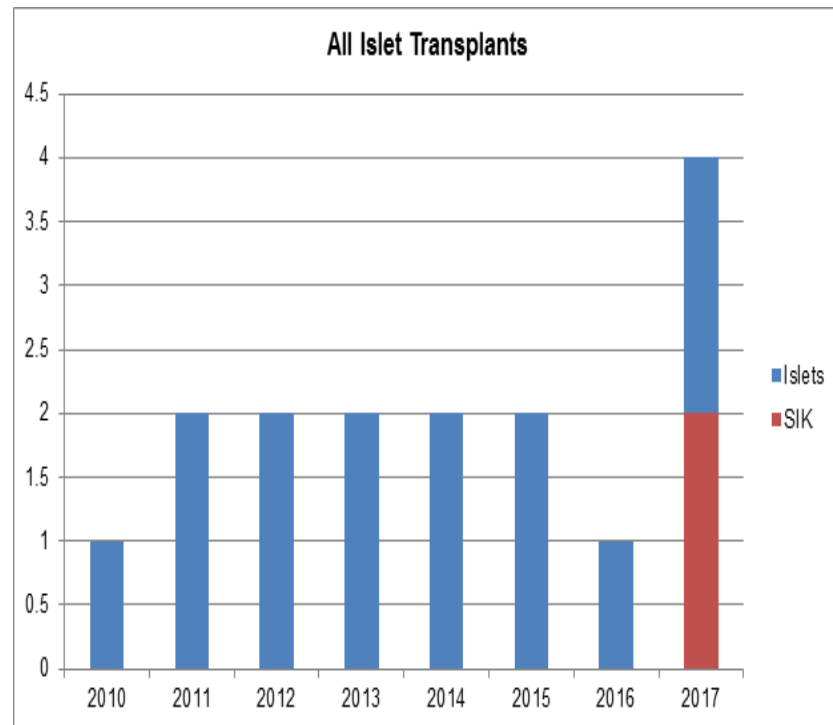
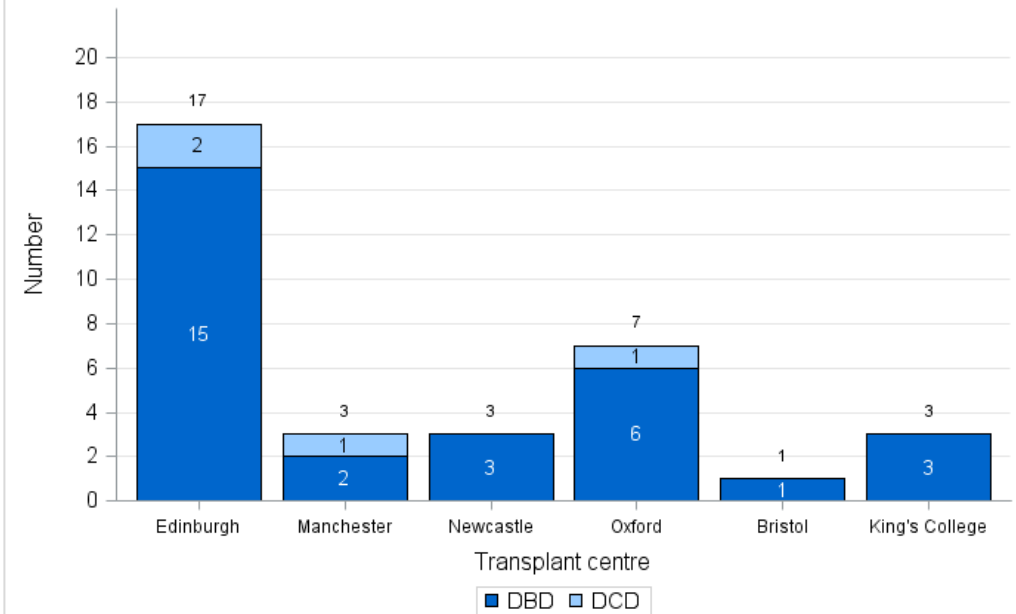
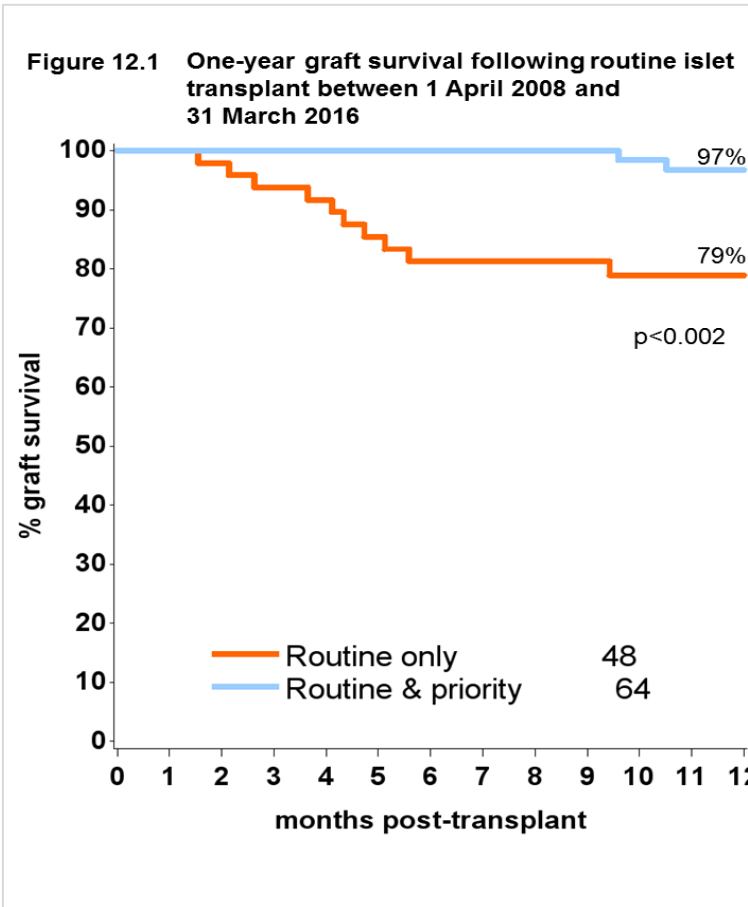


Figure 11.2 Islet transplants, 1 April 2016 - 31 March 2017, by centre and donor type



ISLET OUTCOMES



SERVICE STATISTICS TRANSPLANT AND RENAL RESEARCH LABORATORY

- Received nearly **24,000** samples
- Tissue Typed **270** potential living donors and **308** deceased donors
- Entered **240** new patients on the Transplant Waiting List
- Tissue Typed **415** potential Kidney or Kidney & Pancreas donors **in the middle of the night**
- Tissue Typed **368** potential donors for **79** successful bone marrow transplants.
- Successfully matched **25** lung transplants and **21** heart transplants
- Tissue Typed **908** patients to help diagnose their disease



NATIONAL ORGAN RETRIEVAL SERVICE

- FROM 2016 THE DEPARTMENT STARTED DELIVERING A STANDALONE ABDOMINAL MULTIORGAN RETRIEVAL SERVICE
- CURRENTLY DELIVERED BY ALL MEMBERS OF THE TEAM
- WEEK ON AND QWEEK OFF WITH LEEDS
- ONE OF THE BUSIEST RETRIEVAL TEAMS IN THE COUNTRY WITH AROUND 180 RETRIEVALS A YEAR



VASCULAR ACCESS SERVICE

- SERVES TWO SITES MFT AND SALFORD
- OVER 700 CASES DONE
- ENTIRE SPECTRUM OF CASES FROM STRAIGHT FORWARD FISTULAS TO COMPLEX GRAFTS
- TEAM WORKS IN CLOSE LIAISON WITH INTERVENTIONAL RADIOLOGY



ENCAPSULATING PERITONEAL SCLEROSIS SERVICE

- ONE OF TWO NATIONAL REFERRAL CENTRES
- REFERRALS NATIONALLY AND INTERNATIONALLY
- BETWEEN 15 TO 20 CASES A YEAR



OTHER SERVICES

- ENDOCRINE SURGERY (Between 150-200 Thyroids, Parathyroids and Laparoscopic Adrenals done in the Department)
- Abdominal Wall Reconstructions
- Laparoscopic Hernia Repairs
- Laparoscopic Peritoneal Dialysis Insertions and Manipulations
- Polycystic Nephrectomy
- Transplant Nephrectomy

RESEARCH AND THEMES

- GOAL DIRECTED THERAPY
- PERITONEAL FIBROSIS AND CALCIFICATION
- BETA CELL REPLACEMENT (MRC FUNDED)
- CARDIAC FIBROSIS AND IMAGING IN DIABETES
- TRANSPLANT RISK PREDICTION
- THE MICROBIOME IN TRANSPLANTATION (MRC FUNDED)

TRANSPLANT TRAINING SURGICAL AND MEDICAL

- 14 SURGICAL MIDDLE GRADE TRAINEES
 - DEANERY TRAINEES
 - CLINICAL FELLOWS
 - RESEARCH FELLOWS
- A FERTILE PLACE FOR TRANSPLANT SURGICAL TRAINING AND EXPERIENCE

**ALL THE WORLD IS A STAGE
WE ARE MERE ACTORS**



THE MULTIDISCIPLINARY BACKSTAGE TEAM OF A SUCCESSFUL PROGRAMME

- NURSES
- COORDINATORS
- SNODS
- TRANSPLANT LAB
- DIETETICS
- PHARMACY
- PHYSIOTHERAPY
- DIALYSIS
- ANAESTHETICS
- SECRETARIES
- CLERKS
- CLEANERS
- DOMESTICS
- ALL ANCILLARY DEPARTMENTS
- ORGAN TRANSPORT
- NHSBT
- SUPPORTIVE MANAGEMENT

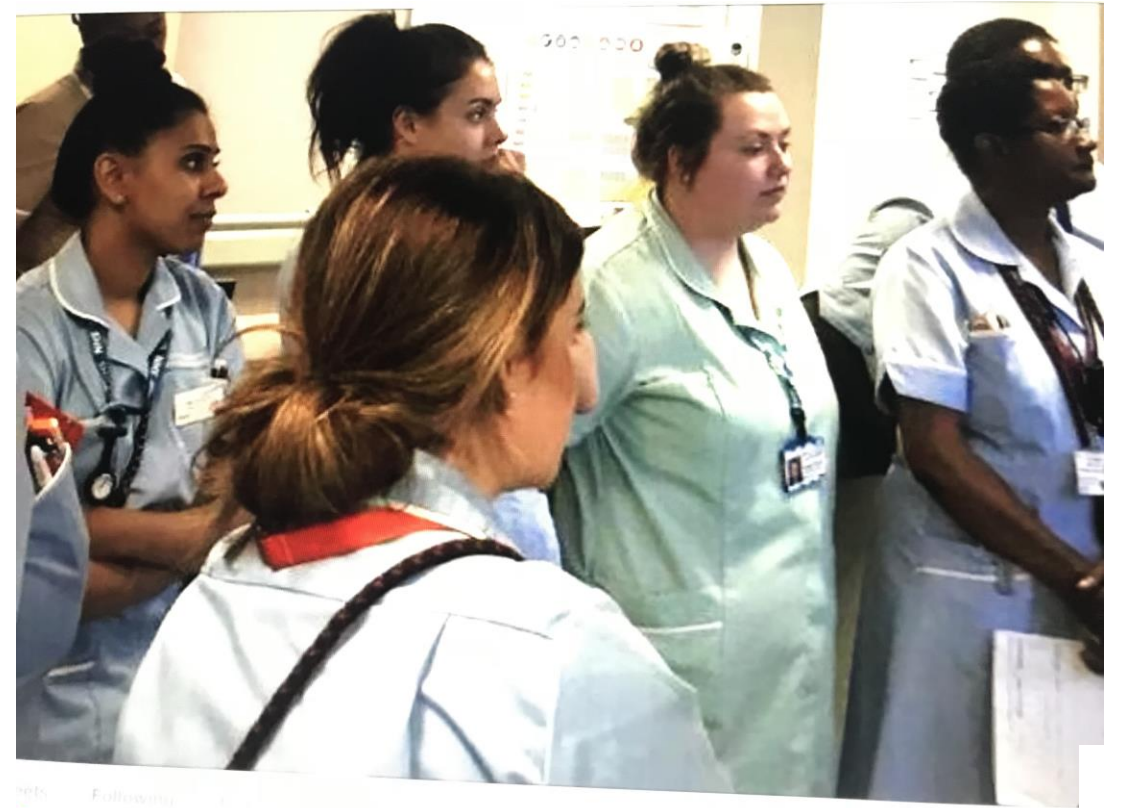
OUR SUCCESSFUL TEAM – TRULY GLOBAL



70
YEARS
OF THE NHS
1948 - 2018



THE UNSUNG HEROES BEHIND THE PROGRAMME – THE FRONT LINE STAFF



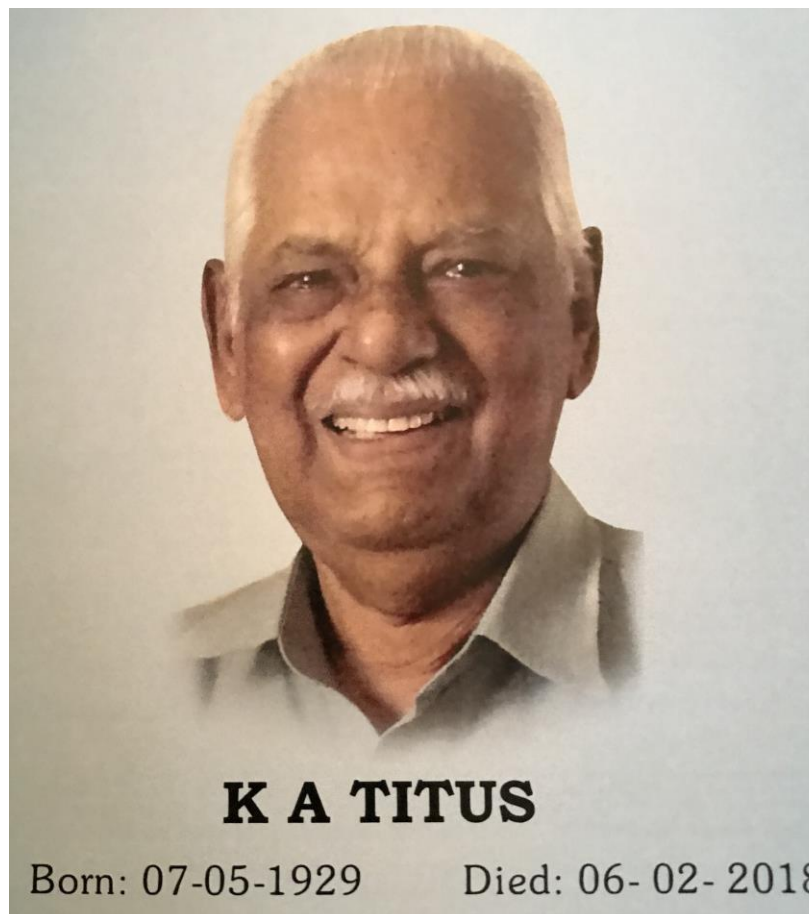
ALL TEAM MEMBERS CONTRIBUTE IN THEIR OWN INDIVIDUAL AND UNIQUE WAYS



CARON OUR MDT COORDINATOR



A TRIBUTE TO THE EXTENDED TEAM MEMBERS THE FAMILIES



K A TITUS

Born: 07-05-1929

Died: 06-02-2018

SETBACKS

- BY AND LARGE A STORY OF FORWARD LOOKING GROWTH
 - HOWEVER THERE HAVE BEEN PERIODS OF TURBULENCE
 - NATIONAL CUSUM TRIGGERS PANCREAS AND KIDNEYS
 - EXTERNAL REVIEWS
 - HAVE SERVED AS OPPORTUNITIES FOR THE DEPARTMENT TO REFLECT
-
- REVIEW PRACTICE AND MOVE ON RENEWED
 - THE PANCREAS PROGRAMME
 - THE MULTIDISCIPLINARY PROCESS

QUO VADIS MANCHESTER IN 2018?

- TIME TO TAKE STOCK
 - FROM VOLUME TO OUTSTANDING QUALITY AND HARNESSING DATA THAT VOLUME GENERATES
- REDEFINE THE HORIZON AND OPPORTUNITIES
 - RESEARCH OUTPUT
 - PERFUSION TECHNOLOGIES
 - ROBOTICS
 - INTERNAL PAIRED EXCHANGES
- INTERNATIONAL COLLABORATIONS

ENJOY THE CONFERENCE
THANK YOU