

**ODT RESEARCH REGISTRY
- CURRENT STATUS -**

All active research studies registered with NHSBT ODT are included in table 1 below. This indicates the allocation scheme ranking where relevant; the study title; location; the annual original request of organs; the number of organs received per study and; the study duration.

As of August 2017 there were 39 studies active on the ODT Research Registry, excluding three registered Research Tissue Banks. Three of the active studies aim to transplant organs into recipients.

Table 1. ODT Research Registry

RANK	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS)	TOTAL ORGANS RECEIVED ¹
KIDNEYS						
<u>1</u>	Quality assessment of Human Kidneys by Ex-vivo Normothermic Perfusion prior to Transplantation	Addenbrookes	23	2015	4	12
<u>2</u>	Establishing ex vivo normothermic perfusion (EVNP) of kidneys for transplantation	Newcastle	6	2015	2	17
<u>2</u>	Normothermic Perfusion of Discarded Kidneys	Oxford	17	2015	3	31
<u>2</u>	Transplanting the untransplantable - extending antibody incompatible transplantation using a normothermic perfusion model with cytoprotective agents	Guy's Hospital London	10	2016	2	4
<u>3</u>	A study to determine the mechanism and effect of machine perfusion on cadaveric kidneys unsuitable for	Birmingham	17	2015	3	10

¹ By August 2017

RANK	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS)	TOTAL ORGANS RECEIVED ¹
	transplantation					
<u>4</u>	Study of renal ischaemia-reperfusion injury and its amelioration	Addenbrookes	40	2016	5	17
<u>4</u>	Characterisation of ischaemia reperfusion injury in human kidneys	Addenbrookes	72	2012	7	158
<u>5</u>	Establishment of cultured human glomerular cells for study of glomerular function in vitro	Bristol	6-10	2007	TBC	45
<u>6</u>	Identification of genes involved in renal, electrolyte and urinary tract disorders	Royal Free	5	2014	10	15
<u>7</u>	Use of Machine Perfusion for Improving Allograft Viability	Hammersmith	TBC	2013	TBC	TBC
PANCREAS/ ISLETS						
<u>1</u>	Process development for islet isolation targeted at enhancing islet yield and viability.	Newcastle	9	2005	13	26
<u>2</u>	Studies of factors influencing the structure and function of human pancreatic islets for transplantation	Oxford Islet Lab	9	2009	8	110
<u>3</u>	Study of Pancreas Function, Physiology, Pathology and Therapeutics	Addenbrookes	20	2016	5	6

RANK	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS)	TOTAL ORGANS RECEIVED ¹
<u>3</u>	Organ regeneration and disease modelling using 3D biological scaffold	Royal Free	>20	2014	7	>150
<u>4</u>	Worcester Islet Lab; A pre-clinical study of human islet function to improve long-term graft survival	Worcester	11	2013	4	1
<u>5</u>	Assessment and Significance of Pancreatic steatosis in pancreas transplantation and its associations with graft pancreatitis	Oxford	30-50	2016	1	43
<u>6</u>	Identification of genes involved in renal, electrolyte and urinary tract disorders	Royal Free	2	2014	10	0
<u>7</u>	Use of Machine Perfusion for Improving Allograft Viability	Hammersmith	TBC	2013	TBC	TBC

RANK	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS)	TOTAL ORGANS RECEIVED ¹
TBC	Edinburgh Islet Lab - Supporting Various Islet Research Studies	Edinburgh Islet Lab	TBC	TBC	Ongoing	TBC
NA	Kings Islet Lab	Kings Islet Lab	25	TBC	Ongoing	22
LIVERS/ HEPATOCYTES						
1	Development of pre-transplant normothermic perfusion reconditioning for human livers donated after circulatory death	Addenbrookes	20	2014	3	30
1	Viability testing and transplantation of marginal livers - VITTAL	Birmingham	27	2016	2	16
2	Exploring the structural and functional effects of normothermic machine perfusion and de-fatting agents on human steatotic livers	Oxford	13	2016	2	16
3	Human Hepatic Progenitor Cells as a Source of Liver Regeneration	Edinburgh	10	2015	5	9
4	Establishing ex-vivo normothermic and hypothermic perfusion of livers for transplantation	Newcastle	12	06/10/2015	2	24
5	Organ regeneration and disease modelling using 3D biological scaffold	Royal Free	>20	2014	7	>150
6	Normothermic Liver Perfusion	Birmingham	13	2014	4	18

RANK	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS)	TOTAL ORGANS RECEIVED ¹
<u>7</u>	LIVET	Royal Free	TBC	TBC	TBC	196
<u>7</u>	Hepatocyte Transplantation Project: Studies on isolated hepatocytes	King's	12	2017	5	6
<u>8</u>	Expression and function of immune regulatory proteins in human liver	Birmingham	50	2016	11	63
<u>NA</u>	Development of a therapeutic 3D implantable liver organoid -scaffolding materials for liver tissue engineering	Edinburgh	25	2017	2	3
LUNGS						
<u>1</u>	Further Evaluation of Ex Vivo Lung Perfusion to Improve Transplantation Outcomes	Newcastle	10	2017	4	0
<u>2</u>	Multiplexed Optical Molecular Imaging and Sensing during Ex Vivo Lung Perfusion (EVLP)	University of Edinburgh	10	2017	4	0
<u>NA</u>	Ex vivo transplant platforms used to explore the pathogenesis of acute lung injury	Harefield	6	2014	10	17
<u>NA</u>	Human ex-vivo lung perfusion research consortium UK (HELP RCUK)	Belfast	125	2016	2	7
HEARTS						
<u>1</u>	Structural and functional analysis of intact myocardium and isolated cells from explanted hearts	Imperial	13	2017	4	1

RANK	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS)	TOTAL ORGANS RECEIVED ¹
TISSUES/ OTHER						
NA	An evaluation of the physiological changes of circulatory-determined death with respect to organ donation and transplantation	Addenbrookes	17	TBC	3	TBC ²
NA	Understanding the pathophysiology of abdominal aortic aneurysms using vascular tissue from cadaveric organ donors	Leicester	32	2013	8	53
NA	A study utilising tissue from deceased organ donors to investigate regenerative cellular therapies and related physiological and developmental processes	Addenbrookes	20	2016	5	49
NA	Vascularised Sentinel Skin Flaps to Detect Rejection in Pancreas Transplantation	Oxford	20 ³	2016	2	22 ⁴
NA	DRG Ganglion Study	Glasgow	10	2014	2	43
NA	Family attitudes, actions, decisions and experiences following implementation of deemed consent and the Welsh Human Transplantation Act	Bangor	NA	NA	NA	NA
RESEARCH TISSUE BANKS						

² No data available; live since February 2017

³ 20 successful procedures

⁴ 22 retrievals, resulting in 16 transplants

RANK	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS)	TOTAL ORGANS RECEIVED ¹
NA	Arden Tissue Bank	Coventry	NA	NA	NA	NA
NA	Donate for Research Initiative (Research Tissue Bank)	Cardiff	NA	NA	NA	NA
NA	Cambridge Human Research Tissue Bank	Addenbrookes	NA	NA	NA	NA