

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; study title; location; annual original request of organs; start date; study duration and; number of organs received per study.

As of March 2018 there were 42 studies active on the ODT Research Registry, including three registered Research Tissue Banks. Three of the active studies aim to transplant organs into recipients.

Table 1. ODT Research Registry

RANK ¹	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS) ²	TOTAL ORGANS RECEIVED ³
KIDNEYS						
<u>1</u>	Quality assessment of Human Kidneys by Ex-vivo Normothermic Perfusion prior to Transplantation	Addenbrookes	23	2015	4	17
<u>2</u>	A study to determine the mechanism and effect of machine perfusion on cadaveric kidneys unsuitable for transplantation	Birmingham	17	2015	3	6
<u>3</u>	Establishing ex vivo normothermic perfusion (EVNP) of kidneys for transplantation	Newcastle	6	2015	2	20
<u>3</u>	Normothermic Perfusion of Discarded Kidneys	Oxford	17	2015	3	42
<u>4</u>	Transplanting the untransplantable - extending antibody incompatible transplantation using a normothermic perfusion model with cytoprotective agents	Guy's Hospital London	10	2016	2	10

¹ To be revised following the re-scoring exercise

² To be revised following the re-scoring exercise

³ By March 2018

RANK ¹	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS) ²	TOTAL ORGANS RECEIVED ³
<u>5</u>	Characterisation of ischaemia reperfusion injury in human kidneys	Addenbrookes	72	2012	7	176
<u>6</u>	Study of renal ischaemia-reperfusion injury and its amelioration	Addenbrookes	40	2016	5	42
<u>7</u>	Establishment of cultured human glomerular cells for study of glomerular function in vitro	Bristol	6-10	2007	14	47
<u>8</u>	Identification of genes involved in renal, electrolyte and urinary tract disorders	Royal Free	5	2014	10	15
<u>9</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	10
<u>2</u>	Studies of factors influencing the structure and function of human pancreatic islets for transplantation	Oxford Islet Lab	9	2009	8	126
<u>3</u>	Organ regeneration and disease modelling using 3D biological scaffold	Royal Free	>20	2014	7	>100

RANK ¹	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS) ²	TOTAL ORGANS RECEIVED ³
<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>	Study of Pancreas Function, Physiology, Pathology and Therapeutics	Addenbrookes	20	2016	5	37
<u>6</u>	Identification of genes involved in renal, electrolyte and urinary tract disorders	Royal Free	2	2014	10	1-2
<u>7</u>	Use of Machine Perfusion for Improving Allograft Viability	Hammersmith	TBC	2013	TBC	TBC
<u>NA</u>	Edinburgh Islet Lab - Supporting Various Islet Research Studies	Edinburgh Islet Lab	TBC	TBC	Ongoing	TBC
<u>NA</u>	Kings Islet Lab	Kings Islet Lab	TBC	TBC	Ongoing	TBC
LIVERS/ HEPATOCYTES						
<u>1</u>	Development of pre-transplant normothermic perfusion reconditioning for human livers donated after circulatory	Addenbrookes	20	2014	3	26

RANK ¹	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS) ²	TOTAL ORGANS RECEIVED ³
	death					
<u>1</u>	Viability testing and transplantation of marginal livers - VITTAL	Birmingham	27	2016	2	31
<u>2</u>	The development of NMLP for improvement of marginal human donor liver quality (Normothermic Liver Perfusion)	Birmingham	13	2014	4	26
<u>2</u>	Exploring the structural and functional effects of normothermic machine perfusion and de-fatting agents on human steatotic livers	Oxford	13	2016	2	20
<u>3</u>	Expression and function of immune regulatory proteins in human liver	Birmingham	50	2016	11	94
<u>4</u>	Human Hepatic Progenitor Cells as a Source of Liver Regeneration	Edinburgh	10	2015	5	9
<u>5</u>	Establishing ex-vivo normothermic and hypothermic perfusion of livers for transplantation	Newcastle	12	06/10/2015	2	1
<u>6</u>	Organ regeneration and disease modelling using 3D biological scaffold	Royal Free	>20	2014	7	>100
<u>7</u>	Hepatocyte Transplantation Project: Studies on isolated hepatocytes	King's	12	2017	5	10
<u>NA</u>	Development of a therapeutic 3D implantable liver organoid -scaffolding materials for liver tissue engineering	Edinburgh	25	2017	2	7

RANK ¹	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS) ²	TOTAL ORGANS RECEIVED ³
LUNGS						
<u>1</u>	Further Evaluation of Ex Vivo Lung Perfusion to Improve Transplantation Outcomes	Newcastle	10	2017	4	6
<u>2</u>	Multiplexed Optical Molecular Imaging and Sensing during Ex Vivo Lung Perfusion (EVLP)	University of Edinburgh	10	2017	4	9
<u>NA</u>	Human ex-vivo lung perfusion research consortium UK (HELP RCUK)	Belfast	125	2016	2	10
HEARTS						
<u>1</u>	Structural and functional analysis of intact myocardium and isolated cells from explanted hearts	Imperial	13	2017	4	5
TISSUES/ OTHER						
<u>NA</u>	An evaluation of the physiological changes of circulatory-determined death with respect to organ donation and transplantation	Addenbrookes	17	TBC	3	TBC
<u>NA</u>	Understanding the pathophysiology of abdominal aortic aneurysms using vascular tissue from cadaveric organ donors	Leicester	32	2013	8	53
<u>NA</u>	A study utilising tissue from deceased organ donors to investigate regenerative cellular therapies and related physiological and developmental processes	Addenbrookes	20	2016	5	49
<u>NA</u>	Vascularised Sentinel Skin Flaps to Detect Rejection in Pancreas Transplantation	Oxford	20	2016	2	28
<u>NA</u>	DRG Ganglion Study	Glasgow	10	2014	2	43

RANK ¹	TITLE	LOCATION	ORIGINAL REQUEST/ ANNUM	START DATE	DURATION (YEARS) ²	TOTAL ORGANS RECEIVED ³
<u>NA</u>	Collection of Peripheral Nerves for control cells for brain tumour treatment research	Plymouth University, Derriford Hospital	24	2017	2	3
<u>NA</u>	Collection and characterisation of human olfactory ensheathing cells	St Georges hospital, London	3	2018	3 donor procedures completed	1 donor
<u>NA</u>	Family attitudes, actions, decisions and experiences following implementation of deemed consent and the Welsh Human Transplantation Act	Bangor	NA	NA	NA	NA
<u>NA</u>	Access to Transplantation and Transplant Outcome Measures – ATTOM study	Addenbrooke's (Cambridge University Foundation Trust)	NA	TBC	TBC	NA
RESEARCH TISSUE BANKS						
<u>NA</u>	Arden Tissue Bank	Coventry	NA	NA	NA	NA
<u>NA</u>	Donate for Research Initiative (Research Tissue Bank)	Cardiff	NA	NA	NA	NA
<u>NA</u>	Cambridge Human Research Tissue Bank	Addenbrookes	NA	NA	NA	NA