DCD Heart Passport

Directions for completion

- 1 This is a ten-page single copy form to be completed for all DCD hearts attended. This is a supplementary form and all other forms (i.e. HTA A, HTA B, RTI) should be completed as usual.
- 2 Sections 1 5 and 13 14 of the Passport should be completed by the retrieval team.
- 3 Section 6 should be completed by both the retrieval team and transplant team.
- 4 Once sections 1 6 and 13 14 are completed, the retrieval team should take and retain a copy of the Passport. The original Passport will remain with the recipient centre.
- Sections 7 12 should be completed by the transplant team for all transplanted DCD hearts.
 The completed form should then be returned within 7 days after 30 days post-transplant has elapsed.
- 6 If the DCD heart was not transplanted then the form should be returned within 48 hours of the attendance.
- 7 Please complete the form by hand, scan and email to DCDheartpassport@nhsbt.nhs.uk Alternatively post to:

ODT Information Services NHS Blood and Transplant Fox Den Road Stoke Gifford Bristol BS34 8RR

UK TRANSPLANT REGISTRY



OK INANOI LANI KEOIOIKI	Brood and Transplant
DCD Heart Passport	
ODT Donor number	Transplant centre
DONOR DETAILS	Section 1
Did donation No = 1 proceed? Yes = 2	At what stage did donation cease? After assessment by CT NORS team, before placement on perfusion rig = 1 After placement on perfusion rig = 2 Before withdrawal of treatment = 3 After withdrawal, before assessment = 4
	Reason
	Used for research = 1 Used for tissue/valves = 2 Disposed of = 3
	Advance = 1 ccardiologist With retrieval team = 2 ssment Electronic review of recent data = 3 None = 4
If no echocardiogram prior to withdrawal: Focused cardiac ultra (previously known as	110-1
Echo Report: Date/time of echo	MM 2 0 Y Y at (24 hr) H H M M LV Ejection fraction %
Intraventricular septal thickness	mm Posterior wall thickness mm End diastolic diameter cm
End systolic diameter	cm TAPSE mm Fractional shortening %
LV function comment	RV function comment
Valve comment	
Inotropic support at time of echocardiologist asse	essment:
Dopamine mcg/kg/min	Noradrenaline mcg/kg/min Enoximone mcg/kg/min
Dobutamine mcg/kg/min	
Adrenaline mcg/kg/min	Milrinone mcg/kg/min Nitric Oxide use duration hours
TIMINGS (USE 24 HOUR CLOCK)	Section 2
Date/time of treatment withdrawal	M M 2 0 Y Y at (24 hr) H H . M M

TIMINGS (USE 24 HOUR CLOCK)		Section 2
Date/time of treatment withdrawal	D D M M 2 0 Y Y at (24 hr) H H M M	
Date/time of Sp02 <80%	D D M M 2 0 Y Y at (24 hr) H H : M M	
Date/time of SBP < 50mmHg		
Date/time of mechanical asystole	D D M M 2 0 Y Y at (24 hr) H H M	
Date/time of declaration of death	D D M M 2 0 Y Y at (24 hr) H H M	
Date/time into operating room	D D M M 2 0 Y Y at (24 hr) H H M M	
Date/time of knife to skin	D D M M 2 0 Y Y at (24 hr) H H M	
Date/time of abdominal cross clamp	D D M M 2 0 Y Y at (24 hr) H H M	
Date/time aortic arch is vented	D D M M 2 0 Y Y at (24 hr) H H M M	
Date/time of cardioplegia (DRP only)	D D M M 2 0 Y Y at (24 hr) H H I M M	



Date/time of NRP full flow (TA or abdominal) Date/time of heart in sinus D D M M 2 0 Y Y at (24 hr) H H M M Date/time of heart in sinus D D M M 2 0 Y Y at (24 hr) H H M M Date/time of heart in sinus D D M M 2 0 Y Y at (24 hr) H H M M Date/time of ordic cross-clamp (NRP only) Date/time instrumented on organ perfusion device (OPD) Date/time from withdrawal to NRP full flow/OPD perfusion (DWIT) Time from withdrawal to NRP full flow/OPD perfusion (FWIT) Date/time of leaving donor centre D D M M 2 0 Y Y at (24 hr) H H M M H M M RETRIEVAL DETAILS Section 3 Organ perfusion device (OPD) used OPD machine number NRP No = 1 ORP No = 1 Outbur - 3 St Thomas No 2 = 1 Outbur - 3 Outbur - 3 St Thomas No 2 = 1 Outbur - 3 Outbu	DCD Heart Passport		
Date/time of NRP full flow (TA or abdominal) Date/time of heart in sinus DD M M 2 0 Y Y at (24 hr) H H M M M M M M M M M M M M M M M M M		Transplant centre	
CTA or abdominal) Date/time of heart in sinus D D M M 2 0 Y Y (24 hr) H H	TIMINGS (USE 24 HOUR CLOCK) CONTIN	NUED	Section 2
Date/time of heart in sinus Date/time of heart in sinus Date/time of April (24 hr) HH			
Date/time of acritic cross-clamp (NRP only) Date/time instrumented on organ perfusion device (OPD) Time from withdrawal to NRP full flow/ OPD perfusion (PWIT) Date/time of leaving donor centre DD MM 2 0 YY (24 hr) H H • MM 2 0 YY (24 hr) H H • MM 2 0 YY (24 hr) H H • MM 2 0 YY (24 hr) H H • MM 3 0 YY (24 hr) H H • MM 4 0 YY (24 hr) H H • MM 5 0 YY (24 hr) H H • MM 8 0 YY (24 hr) H H • MM 9 0 YY (24 hr) H •	Date/time of heart in sinus		
(NRP only) Date/time instrumented on organ perfusion device (OPD) Time from withdrawal to NRP full flow/ OPD perfusion (DWIT) Time from systolic<50mm/Hg to NRP full flow/OPD perfusion (FWIT) Date/time of leaving donor centre RETRIEVAL DETAILS Organ perfusion device (OPD) used OPD machine number NRP No = 1	Date/time off NRP		
perfusion device (OPD) Time from withdrawal to NRP full flow/ OPD perfusion (DWIT) Time from systolic<50mm/Hg to NRP full flow/OPD perfusion (FWIT) Date/time of leaving donor centre RETRIEVAL DETAILS Organ perfusion device (OPD) used OCS = 1 MM M 2 0 Y Y at (24 hr) H H MM RETRIEVAL DETAILS Section 3 Organ perfusion device (OPD) used OCS = 1 MOrgan = 2 Other = 3 OPD machine number NRP No = 1 Volume NRP No = 1 Custodiel/HTK = 2 Other = 4 Additives to cardioplegia: GTN mg/L Heparin IU/L EPO IU/L Please specify additional costs outside the usual NORS funding, including transport,			
OPD perfusion (DWIT) Time from systolic<50mm/Hg to NRP full flow/OPD perfusion (FWIT) Date/time of leaving donor centre RETRIEVAL DETAILS Organ perfusion device (OPD) used OCS = 1			
to NRP full flow/OPD perfusion (FWIT) Date/time of leaving donor centre DD MM M 2 0 YY (24 hr) H H MM RETRIEVAL DETAILS Section 3 Organ perfusion device (OPD) used OPD machine number NRP No = 1	Time from withdrawal to NRP full flow/	HH:MM	
RETRIEVAL DETAILS Organ perfusion device (OPD) used OCS = 1		H H I M M	
Organ perfusion device (OPD) used OCS = 1 MOrgan = 2 Other = 3 OPD machine number If other, please specify If OCS module used, please provide serial number NRP No = 1 Ves = 2 Cardioplegia solution St Thomas No 2 = 1 Custodial/HTK = 2 Other = 4 Additives to cardioplegia: GTN	Date/time of leaving donor centre		
Organ perfusion device (OPD) used morgan = 2 Other = 3 If other, please specify If OCS module used, please provide serial number NRP No = 1	RETRIEVAL DETAILS		Section 3
NRP No = 1	Organ perfusion device (OPD) used	mOrgan = 2 encifu	
Cardioplegia solution St Thomas No 2 = 1 Custodial/HTK = 2 Other = 4 Additives to cardioplegia: GTN mg/L Heparin IU/L EPO IU/L Please specify additional costs outside the usual NORS funding, including transport,	OPD machine number		
Additives to cardioplegia: Other = 4 Additives to cardioplegia: Other = 4 Minimity, please specify IU/L Flease specify additional costs outside the usual NORS funding, including transport,			
cardioplegia: GTN	Cardioplegia solution Custodial/HTK = 2		
usual NORS funding, including transport,	I GTN I I I I I I I I I I I I I I I I I I I	ng/L Heparin IU/L EPO IU/L	
stanning, equipment, consumables etc.			
Cardiothoracic retrieval team			
Were lungs No = 1 retrieved Yes = 2 If NO: Reason Solution Polarity of the Polarity of the No. 1 Polarity of the No. 2 Specify		Organ unsuitable = 2 Reason No suitable recipient = 3 If other, please specify	
Delay due to retrieval process = 4 Other = 5 Details of all staff involved in cardiothoracic retrieval:	Details of all staff involved in cardiothoracic r	Other = 5	
Name Grade Team Y/N Role 1.			
2.			=
3.			
4.			
5			
7.			
9.			



DCD Heart Passport			
ODT Donor number	Transplant centre		ODT Recipient number
Record of RBC units used			Section 3 (continued)
Unit number	Blood group 1st checker	2nd checker	Expiry

Retrieval team

representative



DCD Heart Passport ODT Donor Transplant centre number DONOR ASSESSMENT (NRP only) Section 4 bpm Dopamine mcg/kg/min Vasopressin units/hr Heart rate mmHg MAP mmHg MPA mmHg **CVP** mmHg **PCWP** CO L/min CI L/min/m² End diastolic Intraventricular Posterior wall mm mm cm septal thickness thickness diameter TAPSE (best End systolic Fractional value) mm diameter shortening Valve comment No = 1 Heart unable to support circulation Other comments **ORGAN PERFUSION DEVICE (OPD) DATA** Section 5 Donor lactate **Duration on OPD** mmol/L min before WOT <u>Arterial</u> First lactate on <u>Arterial</u> <u>Venous</u> Maximum lactate OPD after 15 mmol/L mmol/L mmol/L mmol/L on OPD minutes perfusion Arterial Time taken to mmol/L mmol/L min Final lactate on OPD reach maximum mmHg ml/min Mean aortic pressure Mean coronary flow Mean heart rate bpm Synchronised If yes, No = 1% Gas flow min mL/min Mean SVO2 duration mode used Yes = 2If yes, Pacing required min duration Defibrillation If YES, please Maximum energy Number of times required complete the following Beginning OPD Maintenance Ephinephrine Beginning OPD ml/h ml/h Mean solution dose: perfusion solution dose: perfusion hematocrit ml/h ml/h End of perfusion End of perfusion Bank blood No = 1No = 1Donor hospital = 1 If yes: Washed Source Yes = 2 administered Retrieval centre = 2 Arterial biochemistry on OPD: Calcium mL/min Sodium mmol/L Glucose mmol/L Potassium mmol/L Minimum Maximum Increasing/Decreasing Form (pages 2 - 5) completed by: Signed Date **PRINT NAME**

FRM6356/2 Effective: 26/02/21 5

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DCD Heart Passport		
ODT Donor number	Transplant centre	ODT Recipient number
HANDOVER		Section 6
Date/time of arrival at recipient of Date/time of cardioplegia (off OF		0 Y Y at H H M M 0 Y Y at (24 hr) H H M M
Which team removed Transplant to heart from OPD Retrieval to		Print name Signed
Was the heart deemed suitable for	or transplant No = 1 Yes = 2	
1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e heart deemed or transplant	M 2 0 Y Y at (24 hr) H H I M M Print name Signed
Heart dee	emed suitable for transplant by:	
If NO: Ultimate of	outcome/usage of heart: Used for tiss	r research = 1 ue/valves = 2 sposed of = 3
RECIPIENT DETAILS		Section 7
Cardioplegia prior No = 1	If YES, please Cardiople	St Thomas No 2 = 1 egia solution Custodial/HTK = 2 Volume ml
to transplantation Yes = 2	complete the following	Del Nido = 3
Date/time implant started	D D M M 2 0	Y Y at (24 hr) H H M M
Date/time of cross-clamp off reci	pient DDMM20	at (24 hr) H H M M
Mechanical support No = 1 pre-transplant Yes = 2	If YES, please select as appropriate No = 1 Yes = 2 No = 1 Yes = 2	Long term VAD $No = 1$ $Yes = 2$ Short term VAD $No = 1$ $Yes = 2$ IABP ECMO $No = 1$ $Yes = 2$ TAH
In hospital $\begin{array}{c} No = 1 \\ Yes = 2 \end{array}$ If Y	YES: Select location $\frac{No}{Yes} = 2$ Gel Length of hospital stay prior to transplant	neral Ward $No = 1$ $Yes = 2$ $No = 1$ $Yes = 2$ $No = 1$ $Yes = 2$ $Yes = 2$ Other days
Pre-transplantation	RANSPLANTATION	Section 8
recipient right heart catheterisation:	M M 2 0 Y Y at (24 h	
PVR Wood units	CI L/min/m ²	TPG mmHg CVP mmHg
TRANSPLANT DETAILS		Section 9
Redo sterotomy No = 1 Yes = 2	If yes: <3 = 1	cardioplegia No = 1
Retrograde cardioplegia of donor heart during No = 1 yes = 2	If yes, volume	Single = 1 Continuous = 2
Time from OPD cross-clamp to release of recipient cross-clamp		ee of recipient cross- continuation of CPB min bypass min



DCD Heart Passport	
ODT Donor number Transplant c	Dentre ODT Recipient number
RECIPIENT DETAILS – POST OPERATIVE	Section 10
Inotropic support (within first four hours of ITU arrival):	
Dopamine mcg/kg/min Noradrenaline	mcg/kg/ min Enoximone mcg/kg/min
Dobutamine mcg/kg/min Vasopressin	units/hr GTN mg/hr
Adrenaline mcg/kg/min Milrinone	Nitric Oxide mcg/kg/min use duration hours
Maximum Nitric Oxide does ppm	
First set of cardiac outputs (within first four hours of ITU arrival)):
Heart rate bpm CVP	mmHg PCWP mmHg
MAP mmHg MPA mm	nHg CO L/min CI L/min/m²
PVR dyn.s/cm ⁵ SVR	dyn.s/cm ⁵ Mixed venous saturation % CVVH No = 1 Yes = 2
IMMUNOSUPPRESSION	Section 11
Induction immunosuppression No = 1 Yes = 2 Cyclospori	ine $\begin{array}{c} No = 1 \\ Yes = 2 \end{array}$ Mycophenolate Mofetil $\begin{array}{c} No = 1 \\ Yes = 2 \end{array}$ Sirolimus $\begin{array}{c} No = 1 \\ Yes = 2 \end{array}$
Tacrolimus No = 1 Yes = 2 Prednisolo	one $\begin{array}{c} No = 1 \\ Yes = 2 \end{array}$ Azathioprine $\begin{array}{c} No = 1 \\ Yes = 2 \end{array}$
RECIPIENT 30 DAY FOLLOW UP	Section 12
Please complete this section 30 days after transplant	
Recipient died? No = 1 Yes = 2	Date of implant
Mechanical support No = 1 Select appropriate post-transplant Yes = 2 mechanical support:	No = 1 Yes = 2 Long term VAD DDMM 2 0 Y Y
	No = 1 Yes = 2 Short term VAD D M M 2 0 Y Y
	No = 1 Yes = 2 ECMO DDMM 2 0 Y Y
	No = 1 Yes = 2
	No = 1 Yes = 2 IABP D D M M 2 0 Y Y
	Duration of support days Duration between transplant and implant days
	Still on mechanical support = 1 Outcome of implant Device explanted = 2 Died on device = 3



DCD Heart Passport						
ODT Donor number	Transplant c	entre		ODT Recipi number	ent	
RECIPIENT 30 DAY FOLLOW UP (CONTINUED)					Section 12
Please complete this section 30 d	ays after transplant					
RECIPIENT DETAILS - POST O	PERATIVE					
Ventilation support No = 1 post-transplant Yes = 2	Duration of ventilation support	day	/s Surgical re-explorationn	No = 1 Yes = 2		
Inotrope support No = 1 post-transplant Yes = 2	For each inotrope	required, ind	icate the number of day	s patient received o	drug post transplant	:
	Dopamine	days	Noradrenaline	days	Enoximone	days
	Dobutamine	days	Vasopressin	days	GTN	days
	Adrenaline	days	Milrinone	days	Nitric Oxide	days
Duration of CVVH da	ays					

Form (pages 6 - 8) completed by:

PRINT NAME

Date

Signed

Transplant team representative

D D M M 2 0 Y Y =



DCD	Heart	Pass	port
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ODT Donor		ODT Recipient	
number	Transplant centre		

	Sect							Section 1									
Event	Time	Lac	Flow	AoP	Main.	Adr.	Ph	CO2	PO2	K	Ca	Hct	НВ	BE	Bic	Glu	Sats
Prime																	
Prime																	
Prime																	
A 15 min																	
V 15 min																	
A 30 min																	
V 30 min																	
A 45 min																	
V 45 min																	
A 60 min																	
V 60 min																	
A 90 min																	
V 90 min																	
A 120 min																	
V 120 min																	
A 150 min																	
V 150 min																	
A 180 min																	
V 180 min																	

number



DCD Heart Passport		
ODT Donor		

Event	Time	Lac	Flow	AoP	Main.	Adr.	Ph	CO2	PO2	K	Ca	Hct	НВ	BE	Bic	Glu	Section 13
	Time	Lac	FIOW	AOP	iviain.	Aur.	Pn	COZ	PUZ	<u> </u>	Ca	ПСІ	ПВ	BE	ыс	Giu	Sais
A 210 min																	
V 210 min																	
A 240 min																	
V 240 min																	
A 270 min																	
V 270 min																	
A 300 min																	
V 300 min																	
A 330 min																	
V 330 min																	
A 360 min																	
V 360 min																	
A 390 min																	
V 390 min																	
A 420 min																	
V 420 min																	
A 450 min																	
V 450 min																	
A 480 min																	
V 480 min																	

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DCD Heart Passport					
ODT Donor number		Transplant centre		ODT Recipient number	
Medications administered on Orgar	n Perfusion Device				Section 14
Drug	Dose	Time	Prescriber	Administered	