

New IT Applications

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The ODT Hub Vision

A simpler, safer, responsive service that supports clinicians in matching world class performance in organ donation and transplantation, with a clinically led 24/7 support centre at its core and renewed technology as its foundation.



Safer, Simpler, Supportive

The HTA B form

Changes to HTA B: phase 1

- Electronic version of current paper HTA B form
- Hosted within the Microsoft Dynamics CRM aka “PatientPath”
- Rollout started in pancreas units in December
- Training and rollout to kidney units in progress

HTA-B Form: HTA-B created on 22/01/2019 12:19 by Alex Bance

HTA-B created on 22/01/2019 12:19 by Alex Bance

Owner: Alex Bance

Status Reason: Draft

This form is to be used to provide information required by regulations made under the Human Tissue Act 2004 and Human Tissue (Scotland) Act 2006. This form is to be completed by the Registered Medical Practitioner, or delegated representative, who transplanted the organ/material or who received the organ/material that was proposed to be transplanted

DONOR

NHSBT - ODT Donor ID

Type of Donor

Donor Date of Birth

ORGAN/MATERIAL REMOVAL

UK Removal or Imported

RECEIVING SITE

Receiving Transplant Centre

Date and Time Organ/Material Arrived

This can be the date and time when the organ/material arrived at either the recipient centre or the theatre. If you have both of these please enter the earliest one

REGISTERED MEDICAL PRACTITIONER

Appointment

Appointment Held At (Establishment)

ORGAN/MATERIAL RECEIVED

Add Organ

Name

HTA-B Number

No Received Organs found for this HTA-B Form. Select Add (+).

Form Completed By

Position

Active

Received Organ: New Received Organ - Google Chrome
https://nhsbtpatientpathpreprod.crm4.dynamics.com/main.aspx?appid=bd18d419-f0fe-e811-a94f-000d3ab3a3b0&etc=10241&extraqs=%3fetc%3d10241&histKey=461372326&newWindow=true&pagetyp...
Dynamics 365
New Received Organ
SAVE SAVE & CLOSE FLOW FORM EDITOR
RECEIVED ORGAN : RECEIVED ORGAN FORM
New Received Organ
Owner Alex Bance
Status Reason Draft
HTA-B Form ID
RECEIVED ORGAN
Organ Type
HTA-A Number
Mild = No surgical Repair required
Moderate = Surgical repair required to make organ/material useable
Severe = Organ/material not used due to damage
Grade of Surgical Damage
Organ/Material Contact with perfusion fluid after receipt? (Excl. machine perfusion)
MACHINE PERFUSION
Machine Perfused in Recipient Centre
ORGAN OUTCOME
Was the organ/material split?
Active

Changes to HTA A and B – phase 2

- Replacement of paper HTA A with electronic form
- Form A can be viewed by transplant centres as soon as completed
- Revised data set
 - more granular detail on anatomical anomalies, pathology and damage
 - better recording of timings, including time kidney on backbench
 - details of normothermic regional perfusion
 - details of machine perfusion in transplant centre in Form B
- Reconciliation of retrieval and implanting surgeons' assessment
- Feedback to retrieval surgeon

Reviewing HTA A: times/perfusion

Timings	
Treatment withdrawn	23:06 on 19/04/2015
Cardiac arrest	23:54 on 19/04/2015
Time retrieval started	00:04 on 20/04/2015
Time cold perfusion started	00:15 on 20/04/2015
Primary warm ischaemia	21 minutes

Aortic perfusion	
Perfusion fluid	UW / Viaspan
Volume used	6 litres
Batch numbers	ABC123DE

Portal perfusion	
Perfusion fluid	UW / Viaspan
Portal cannula site	Directly into portal vein
Volume used	2 litres
Batch numbers	ABC123DE

Timings	
Time retrieval started	20:06 on 30/07/2015
Ventilation ceased	22:01 on 30/07/2015
Cardiac arrest	22:01 on 30/07/2015
Time cold perfusion started	22:01 on 30/07/2015
Primary warm ischaemia	0 minutes

Aortic perfusion	
Perfusion fluid	UW / Viaspan
Volume used	6 litres
Batch numbers	AB12345D

Portal perfusion	
Perfusion fluid	none

Reviewing HTA A: simple kidney

Kidney details		
	<i>Left kidney</i>	<i>Right kidney</i>
Time in ice bowl	03:05 on 12/12/2016	03:12 on 12/12/2016
Machine perfused?	No	No
Biopsy taken	No	No
Anatomy normal?	Yes	Yes
Pathology?	No	No
Damage?	No	No
<i>Renal parenchyma</i>		
Perfusion quality	good	good

Reviewing Form A: machine perfused

Kidney details		
	Left kidney	Right kidney
Time in ice bowl	03:12 on 20/04/2015	03:13 on 20/04/2015
Machine perfused?	Yes	Yes
Machine perfusion type	Hypothermic	Hypothermic
Machine used	LifePort	LifePort
Perfusate flow (ml/min)	96 ml/min	92 ml/min
Perfusion fluid	KPS-3	KPS-3
Fluid batch numbers	1234ABD	1234ABD
Biopsy taken	Yes	Yes
Indication	QUOD Study	QUOD Study
Technique	Core	Core
Number	2	2
Anatomy normal?	Yes	Yes
Pathology?	No	No
Damage?	No	No
Renal parenchyma		
Perfusion quality	Good	Good

Reviewing Form A: complex

Kidney details		
	Left kidney	Right kidney
Time in ice bowl	23:45 on 30/07/2015	23:57 on 30/07/2015
Machine perfused?	No	No
Biopsy taken	No	No
Anatomy normal?	No	No
Pathology?	Yes	Yes
Damage?	Yes	No
Arterial anatomy and status		
Number of arteries	2	1
Number of patches	1	1
Arteries on patch	1	1
Atherosclerosis	Yes	Yes
Renal artery stenosis	No	No
Intimal flap	No	No
Cut to artery	No	No
Complete transection	No	No
Artery cut off patch	Yes	No
Artery comment		
Venous anatomy and status		
Number of veins	1	1
Vein branches tied?	0	0
Vein damaged?	No	No
Vein comment		

Ureteric anatomy and status		
Number of ureters	1	1
Length of ureter (cm)	>10cm	>10cm
Ureter comment		
Renal parenchyma		
Perfusion quality	Good	Good
Parenchyma pathology	Yes	Yes
Renal cysts	No	Yes
Cyst type		Simple
Number of cysts		1
Size of largest cyst		1cm
Cyst comment		Solitary simple cyst
Renal tumours	Yes	No
Size of largest tumour	2cm	
Tumour comment	Soft, probably benign. Frozen section sent.	
Parenchyma damaged	Yes	No
Capsular tear	Yes	No
Subcapsular haematoma	Yes	No
Parenchymal rupture	No	No
Parenchyma comment	Small capsular tear. There is a subcapsular haematoma, probably pre-mortem.	

Reconciliation of assessment

Left kidney quality

Time in ice bowl **2015-04-20 03:12:08**

Machine perfused? **Yes**

Biopsy taken **2 samples, core biopsy**

Reason for biopsy **QUOD Study**

The retrieval surgeon stated the kidney was anatomically fully normal and undamaged.

Do you agree?

Yes ▼

Retrieval communication

No concerns ▼

Communication comments

Reconciliation of assessment

Left kidney quality

Time in ice bowl

2015-04-20 03:12:08

Machine perfused?

Yes

Biopsy taken

2 samples, core biopsy

Reason for biopsy

QUOD Study

The retrieval surgeon stated the kidney was anatomically fully normal and undamaged.

Do you agree?

No

-

Donor surgeon assessment

Your assessment

Arterial anatomy and status		
Number of arteries	1	
Number of patches	1	
Number of arteries on patch	1	
Artery normal?	Yes	
Atherosclerosis	No	
Renal artery stenosis	No	
Intimal flap	No	
Artery damaged?	No	
Cut to artery	No	
Complete transection	No	
Artery cut off patch	No	
Artery comment	No comment	
Venous anatomy and status		

Reconciliation of assessment

Left kidney quality

Time in ice bowl **2015-04-20 03:12:08**

Machine perfused? **Yes**

Biopsy taken **2 samples, core biopsy**

Reason for biopsy **QUOD Study**

The retrieval surgeon stated the kidney was anatomically fully normal and undamaged.

Do you agree?

Donor surgeon assessment

Your assessment

Arterial anatomy and status

Number of arteries **1**

Number of patches **1**

Number of arteries on patch **1**

Artery normal? **Yes**

Atherosclerosis **No**

Renal artery stenosis **No**

Intimal flap **No**

Artery damaged? **No**

Cut to artery **No**

Complete transection **No**

Artery cut off patch **No**

Artery comment **No comment**

Venous anatomy and status

Bericht [Eigenschappen](#) [Aanpassen](#) [Bron van bericht](#) [Discussie-overzicht](#)

Van: Transplantatiestichting Quality Forms <qualityforms@transplantatiestichting.nl>

Aan:

CC:

BC: catch_outbound eti

Onderwerp: BETA1: Afwijking Quality Form

Geachte chirurgen,

Naar aanleiding van het Quality Form Transplantatie dat is ingevuld op d. **02-07-2015** met betrekking tot de pancreas van **donor 156385** bleef afwijking tussen het Quality Form ingevuld ten tijde van donatie en het Quality Form dat is ingevuld door het ontvangende centrum (Quality I Transplantatie). Bijgaand treft u een link naar het Quality Form Transplantatie waarin de gegevens van zowel het ingevulde Quality Form Donor Transplantatie worden gegeven: <https://beta1.txnet.eu/NtsQFormTxp>.
Gaarne hiervoor uw aandacht.

Met vriendelijke groet,

Orgaancentrum
Nederlandse Transplantatie Stichting
www.transplantatiestichting.nl

Interactive matching run

Principles

- Move from manual to automated processes
- Task-based offering system to simplify Hub staff process
- Relatively few changes for transplant centres:
 - Different recording of reasons for offer decline
 - Similar new system for recording reasons for non-use

Categories for organ decline or non-use

Category	Description	Further offers to centre?
A	Donor unsuitable for all waiting list patients in this centre	No
B	Kidney unsuitable for all kidney waiting list patients in this centre	No
C	Kidney unsuitable for named patient; would consider for others	Yes
D	The named patient cannot be transplanted currently	Yes
E	Logistic reason prevents acceptance / use	Yes

Category A Reasons

- 1 Donor Unsuitable – Age
- 2 Donor Unsuitable – Cause of Death
- 3 Donor Unsuitable – High Risk Lifestyle*
- 4 Donor Unsuitable – Past Medical History
- 5 Donor Unsuitable – Virology
- 6 Medication
- 7 No blood for virology
- 8 Offer withdrawn
- 9 Tumour*
- 10 Other, please specify*

Fields marked with an asterisk would
require further comment for clarification

Category B reasons

- 1 Anatomical Anomaly*
- 2 Multiple cysts
- 3 Scarring
- 4 Severe hypertension
- 5 Donor age
- 6 Infection
- 7 Organ Damaged (pre-mortem)*
- 8 Poor function
- 9 Paediatric *en bloc* not performed in this centre
- 10 Would only accept for dual kidney transplant

- 11 Poor perfusion*
- 12 Organ Damaged (retrieval injury)**
- 13 Organ Damaged (at transplant centre)**
- 14 Organ failed viability assessment**
- 15 Other, please specify**

Fields in italics apply only for non-use of a previously accepted kidney

Fields marked with an asterisk would require further comment for clarification

Category C reasons

- 1 ABO Mismatch
- 2 Age Mismatch
- 3 HLA Mismatch
- 4 Anticipated positive crossmatch
(e.g. for anti-DP antibodies)
- 5 Recipient has potential live donor
- 6 Recipient refused
- 7 Donor hypertension
(e.g. for hypotensive recipient)
- 8 Donor diabetes
- 9 Donor Hepatitis C
- 10 Renal tumour*

- 11 Atheromatous aortic patch / proximal renal artery**
- 12 IVC diseased / pre-mortem damage**
- 13 Organ Damaged (retrieval injury)**
- 14 Organ Damaged (at recipient centre)**
- 15 Other, please specify*

Some of these fields are duplicates of the same in category B – these apply when the reason prevents use in the named patient, but might be suitable for another

Category D and E reasons

D Recipient unsuitable

- 1 Recipient Died
- 2 Recipient Refused
- 3 Recipient Travel time too long
- 4 Recipient Unavailable
- 5 Recipient Unfit
- 6 Recipient already transplanted
- 7 Earlier offer accepted
- 8 Other, please specify*

E Logistic Issue

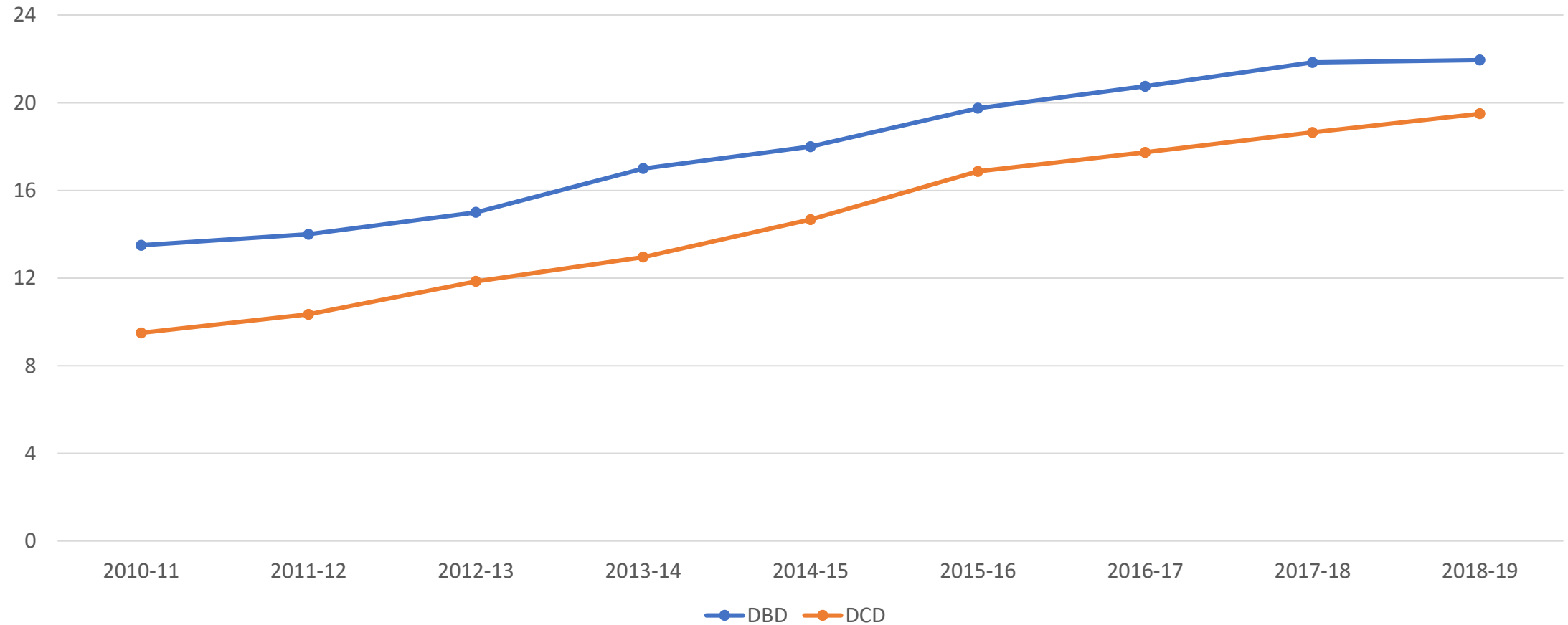
- 1 Centre Already Transplanting
- 2 Donor Cross Clamp Time Too Imminent
- 3 Long Travel Time
- 4 No Beds
- 5 No Staff
- 6 No Theatre
- 7 No Time
- 8 No UK Retrieval Team Available
- 9 Poor Weather
- 10 Transport Difficulties
- 11 Other, please specify*

Patient registration

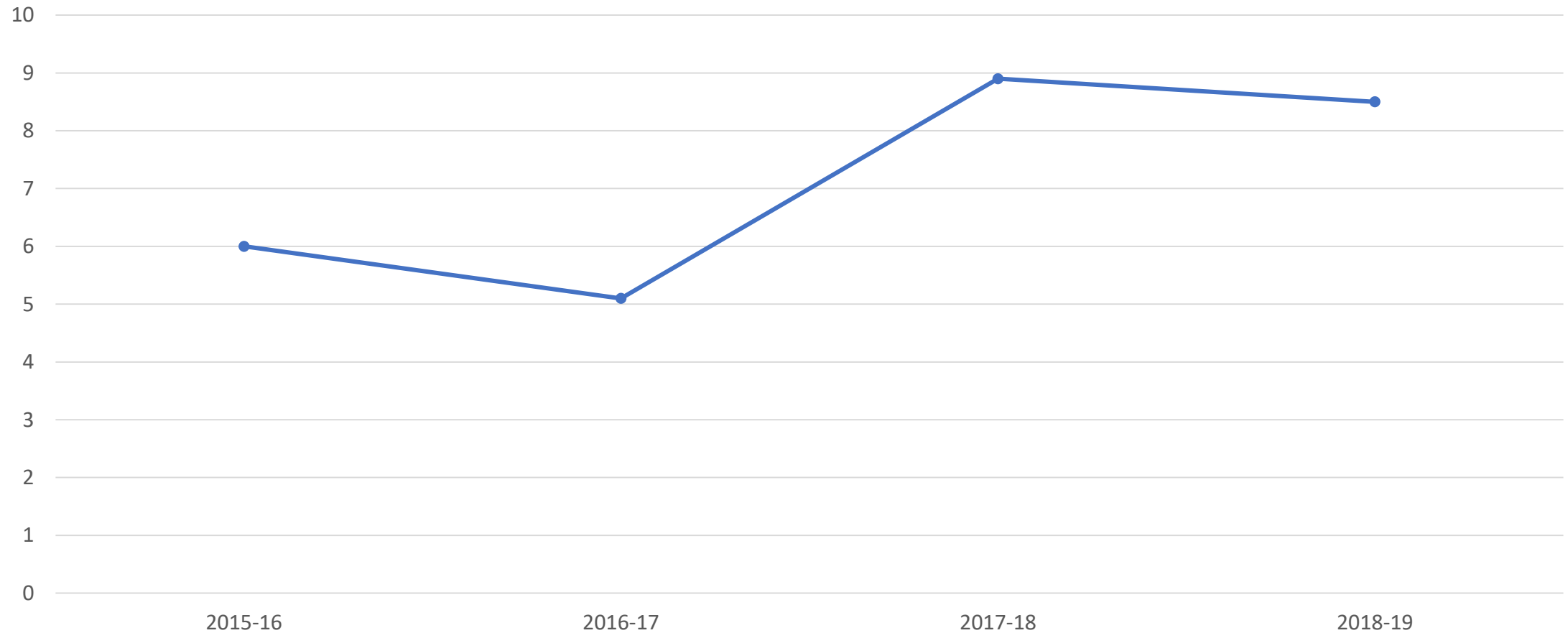
PatientPath

- Branding of our implementation of the Microsoft Dynamics CRM
- Ultimately will replace EOS, EOS Mobile and ODT Online
- Will be used for:
 - Patient registration and waiting list management, e.g. suspension
 - Reviewing and accepting kidney offers
 - Reviewing HTA A data and completing HTA B
 - Post-transplant follow-up data
- Patient-specific listing criteria will be a new function

Time from consent to retrieval (hours)



Consented donors with no organs transplanted (%)



Patient-specific matching criteria

CRITERION	DEFAULT FOR EXISTING PATIENTS	DEFAULT FOR NEW LISTINGS
DONOR AGE RANGE	Current centre criterion	Default specified by centre
DONOR WEIGHT RANGE	Any	Any
HEPATITIS C POSITIVE DONOR	No	No
HIV POSITIVE DONOR	No	No
HLA MISMATCH SCORE	Current centre criterion	Default specified by centre
UNACCEPTABLE HLA ANTIGENS	None	None
SUITABILITY FOR DUAL TRANSPLANT	Yes	No
SUITABILITY FOR PAEDIATRIC EN BLOC	Yes	No

Centre-specific codes

- Used to filter group offers
- Defined by each centre according to local needs
- Applied to individual patients on PatientPath
- Examples:
 - P = suitable for paediatric en bloc
 - H = suitable and consented for hepatitis C positive kidney
 - U = urgent due to precarious dialysis access

Transplant Centre Dashboard



Organ offers

Transplant list

HTA eForms

Incident reporting

Kidney offers

DBD offer ODT 555103

Leeds - Leeds General Infirmary

Status: ACTIVE OFFER

Expires in 41 min

DCD offer ODT 555101

Falkirk - Forth Valley Royal Hospital

Status: ACTIVE OFFER

Expires in 34 min

DCD offer ODT 555099

Airdrie - Monklands District Hospital

Status: Non-proceeding, stand down at 11:01

DBD offer ODT 555098

Middlesbrough - James Cook University Hospital

Status: Retrieval started 09:55

DBD offer ODT 555002

Cambridge - Addenbrookes Hospital

Status: Organs en route, departed 01:06

Kidney offer: donor 555103



Donor details

ODT number 555103	Offer type Named patient offer - Tier E
Donor type DBD	Donor hospital Leeds - Leeds General Infirmary
Donor blood group A	Previous offers Yes

Timings

Planned retrieval start **22:40 on 31/01/2019**

[Review EOS data](#)

Matched recipient

Name	D.O.B	CHI	Blood group	cRF	Mismatch	Wait time	Centre codes
David Morrison	08-07-1977	1000436842	AB	64	1:1:0	1398	U

Offer history

<u>Offered to centre</u>	<u>Decision</u>	<u>Reason</u>
Newcastle	Accepted for Tier C patient	
Birmingham	Declined for named patient	Recipient reason: recipient acute illness
Portsmouth	Declined for named patient	Donor-recipient reason: age mismatch

Kidney offer: donor 555101



Donor details

ODT number 555101

Offer type Centre offer

Donor type DCD

Donor hospital Falkirk - Forth Valley Royal Hospital

Donor blood group O

Previous offers No

Timings

Planned retrieval start

20:06 on 31/01/2019

Review EOS data

Local match run

Name	D.O.B	CHI	Blood group	cRF	Mismatch	Wait time	Centre codes
Siobhan Buchanan	01-07-1954	1208646772	O	89	2:2:1	797	
David Duncan	09-04-1955	625663545	O	52	2:1:0	148	
Ellon Macintyre	15-02-1983	330663763	O	75	1:2:0	844	DU
Siobhan Smith	01-08-1965	488565934	O	9	2:2:0	552	D
Scott Urquhart	01-07-1954	1047691723	O	59	1:0:1	1031	UH
Karen Macintyre	07-08-1979	779118854	O	46	2:2:0	1214	
Ellon Kelliher	09-04-1955	622691807	O	25	1:0:0	1040	
Conal Macintyre	22-10-1984	714252437	O	73	2:1:0	712	H
Julia Smith	01-08-1965	1115077544	O	48	1:0:0	605	
David Smith	14-11-1994	222646370	O	38	1:0:0	1643	U
Marc Macintyre	08-12-1974	1153577097	O	78	0:0:0	1153	
Julia Macintyre	08-07-1977	927253101	O	85	2:1:1	587	

No filter

Kidney offer: donor 555101



Donor details

ODT number **555101** Offer type **Centre offer**
 Donor type **DCD** Donor hospital **Falkirk - Forth Valley Royal Hospital**
 Donor blood group **O** Previous offers **No**

Timings

Planned retrieval start **20:06 on 31/01/2019**

[Review EOS data](#)

Local match run

Name	D.O.B	CHI	Blood group	cRF	Mismatch	Wait time	Centre codes
Siobhan Buchanan	01-07-1954	1208646772	O	89	2:2:1	797	
David Duncan	09-04-1955	625663545	O	52	2:1:0	148	
Ellon Macintyre	15-02-1983	330663763	O	75	1:2:0	844	DU
Siobhan Smith	01-08-1965	488565934	O	9	2:2:0	552	D
Scott Urquhart	01-07-1954	1047691723	O	59	1:0:1	1031	UH
Karen Macintyre	07-08-1979	779118854	O	46	2:2:0	1214	
Ellon Kelliher	09-04-1955	622691807	O	25	1:0:0	1040	
Conal Macintyre	22-10-1984	714252437	O	73	2:1:0	712	H
Julia Smith	01-08-1965	1115077544	O	48	1:0:0	605	
David Smith	14-11-1994	222646370	O	38	1:0:0	1643	U
Marc Macintyre	08-12-1974	1153577097	O	78	0:0:0	1153	
Julia Macintyre	08-07-1977	927253101	O	85	2:1:1	587	

No filter

Kidney offer: donor 555101



Donor details

ODT number **555101** Offer type **Centre offer**
 Donor type **DCD** Donor hospital **Falkirk - Forth Valley Royal Hospital**
 Donor blood group **O** Previous offers **No**

Timings

Planned retrieval start **20:06 on 31/01/2019**

[Review EOS data](#)

Local match run

Name	D.O.B	CHI	Blood group	cRF	Mismatch	Wait time	Centre codes
Scott Urquhart	01-07-1954	1047691723	O	59	1:0:1	1031	UH
Conal Macintyre	22-10-1984	714252437	O	73	2:1:0	712	H
Kenneth McManus	01-07-1954	811474099	O	69	2:0:0	1111	UH
Neal Morrison	01-08-1965	620532943	O	98	2:1:1	117	UH
Mairi Jones	22-10-1984	361821770	O	19	1:0:0	1353	H
Neal McManus	22-10-1984	216145300	O	87	0:0:1	1164	UH

Filter by code H

Any questions?