

HPAP024 Donor Summary



HPAP	024	UNOS	
Recovery OPO	NE Donor Service Massachusetts	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>
Age (years)	18	DCD	YES <input checked="" type="checkbox"/> Relative WIT (Extubation → Flush, 44 mins) WIT (Circulatory arrest → Flush 13 mins.) NO <input type="checkbox"/>
Race	Caucasian	DBD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Sex	M <input checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	33 Hours 23 Mins.
ABO (Rh)	A (Indeterminant)	Cross Clamp Time	04/08/2018 @ 13:23 EST
BMI (Kg/m²)	24.32	Cold Ischemia Time*	10 Hours 52 Mins.
Cause of Death	Head Trauma	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>
Mechanism of Injury	Blunt Injury MVA	Organs Recovered	Heart <input type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <input type="checkbox"/> Intestine <input type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text"/> Hours <input type="text"/> Mins. Not Available
CPR / Time	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Kidney <input type="checkbox"/> Lung <input checked="" type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	-----	Blood Culture	No Growth
Date /Time of Admission	04/07/2018 @ 04:00 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	No ARDS

*Cold Ischemia time is calculated from time of cross clamp to start of enzyme perfusion for islet isolation.

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Medical History:

		Duration	Medications	Compliance
Type of Diabetes	None	-----	-----	-----
History of cancer	None	-----	-----	-----
CAD	None	-----	-----	-----
Hypertension	None	-----	-----	-----
Hyperlipidemia	None	-----	-----	-----
Autoimmune disease	None	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/> Maternal Grandmother	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Trauma Bay to OR for Exploratory Laparotomy – Right colectomy and ileostomy creation.			
Comments:				

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	102/60	
Average Low BP During Hospitalization	90/60	Duration: 60 minutes
Average BP in OR (mmHg)	N/A (DCD)	
Average Low BP in OR (mmHg)	N/A (DCD)	Duration: -----
Average HR in OR (bpm)	N/A (DCD)	
ABG-pH range	7.24 – 7.46	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	2	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Synephrine	Started at admission and run for \approx 4:30 hrs.		
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	N/A	-----	-----
PRBCs	N/A	-----	-----
Platelets	N/A	-----	-----
Norepinephrine (Levophed)	N/A	-----	-----
Vasopressin	N/A	-----	-----
Neo-Syneprine (phenylephrine)	N/A	-----	-----
Epinephrine	N/A	-----	-----
Dopamine	N/A	-----	-----
Heparin	N/A	-----	-----

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
Positive	Negative

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	203	0	0.000	-0.006
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	5.6	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

	A	2	-----	Class II	DR	8	11
	B	51	60		DR51	Negative	
	C	02	10		DR52	Negative	
	Bw4	Positive			DR53	Negative	
	Bw6	Positive			DQB1	4	7
					DQA1	04	05
					DPB1	03:01	
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	A	02:01	-----	Class II	DRB1	08:01	11:01
	B	40:01	51:01		DRB3	-----	02:02
	C	03:04	02:02		DRB4	-----	-----
					DRB5	-----	-----
					DQB1	04:02	03:01
					DQA1	04:01	05:05
					DPB1	03:01	-----
					DPA1	01:03	-----

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Positive	Yes	-----
EBV IgM	Negative	Yes	-----
CMV	Positive	Yes	-----
HBcAb	Non-Reactive	Yes	-----
HBsAg	Non-Reactive	Yes	-----
HCV Ab	Non-Reactive	Yes	-----
HIV I/II	Non-Reactive	Yes	-----
Syphilis	Non-Reactive	Yes	-----
Procleix Ultrio	Non-Reactive	Yes	-----
Ultrio HBV	ND	-----	-----
Ultrio HCV	ND	-----	-----
Ultrio HIV	ND	-----	-----
Toxoplasma Ab	Negative	Yes	-----
HTLV 1/11 Ab	Non-Reactive	Yes	-----

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (140-160)	144	162	155
Creatinine (<1.5)	1.03	1.8	1.8
Glucose (mg/dL) (60-150)	221	221	188
HbA1C%	5.5	-----	-----
Total bilirubin (0-1.0)	0.4	0.5	0.5
SGOT (AST) (0-40)	216	216	181
SGPT (ALT) (5-35)	126	126	113
Alkaline phosphatase (45-110)	52	52	44
Serum Amylase (23-851)	71	ND	ND
Serum Lipase (0-80)	29	ND	ND
WBC (THO/uL) (4.5-11.0)	20.4	20.4	11.4
Hgb (g/dL) (12-16)	9.4	13.1	10.8
Platelets (THO/uL) (150-350)	243	343	108
INR (<2.0)	1.3	1.6	1.6

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Negative	Negative	-----	Negative

Medications During Hospitalization

Steroids**	None
Diuretics	None
T3 Protocol	None
T4 Protocol*	None
Insulin**	None
Antihypertensive	None
Vasodilators	None
DDAVP**	None
Total parenteral nutrition	None
Other	----- Specify -----

*T4 protocol: Levothyroxine, (20 mcgs), Solumedrol (2 gms,) Dextrose 50%, (1 amp), Regular Insulin (20u), Vasopressin (1 unit)

Mi Z, Novitzky D, Collins JF, Cooper D KC. The optimal hormonal replacement modality selection for multiple organ procurement from brain-dead organ donors. Clinical Epidemiology 2015;7 17-27.

** Excluding T4 Protocol