

HPAP015 Donor Summary



HPAP	015	UNOS		
Recovery OPO	CORE Pittsburgh	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	29	DCD (WIT 13 mins.)	YES <input checked="" type="checkbox"/> 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	311 Hours 38 Mins.	
ABO (Rh)	O+	Cross Clamp Time	9/11/2017 @ 11:38 EST	
BMI (Kg/m²)	22.039	Cold Ischemia Time*	12 Hours 28 Mins.	
Cause of Death	Head Trauma	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	Blunt Injury	Organs Recovered DCD Donor	Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/>	Kidney <input checked="" type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input checked="" type="checkbox"/> 13 minutes No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	Hours Mins. N/A – DCD	
CPR / Time	Yes <input checked="" type="checkbox"/> 11 Minutes No <input type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/>	Kidney <input type="checkbox"/> Pancreas <input type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	13 Minutes	Blood Culture	No Growth	
Date /Time of Admission	08/29/2017 @ 00:00 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		Acute Lung Injury	Bibasilar Atelectasis	

*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	T1D	≈ 7 yrs.	Insulin Pump	Yes
History of cancer	None	-----	-----	-----
CAD	Not Known		-----	-----
Hypertension	None	-----	-----	-----
Hyperlipidemia	Yes	≈ 3 years	-----	-----
Autoimmune disease	Not Known		-----	
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Cholecystectomy 2015			
Comments:				

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	125/68	
Average Low BP During Hospitalization	97/49	Duration: 5 mins.
Average BP in OR (mmHg)	N/A – DCD Donor	
Average Low BP in OR (mmHg)	N/A	Duration: -----
Average HR in OR (bpm)	N/A	
ABG-pH range	7.32 -----7.49	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None	-----	-----
PRBCs	None	-----	-----
Platelets	None		
Norepinephrine (Levophed)	Started d (-2) before OR 0.08 Mcg/kg/min ongoing to OR		
Vasopressin	None	-----	-----
Neo-Syneprine	None	-----	-----
Epinephrine	None	-----	-----
Phenylephrine	None	-----	-----
Dopamine	None	-----	-----

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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None	-----	-----
PRBCs	None	-----	-----
Platelets	None	-----	-----
Norepinephrine (Levophed)	None	-----	-----
Vasopressin	None	-----	-----
Neo-Syneprine (phenylephrine)	None	-----	-----
Epinephrine	None	-----	-----
Dopamine	None	-----	-----
Heparin	-----	50,000	-----

Initial Autoantibody Screening (nPOD):

GAD-65	IA-2
Negative	Negative

Confirmatory results (University of Florida) *

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)	C-peptide (ng/ml)	Proinsulin
Results	15	0	0.0161	0.000	0.03	ND
Cut-off values	20	5	0.010	0.020	-----	-----

*Sample obtained at time of organ recovery

HLA (OPO)*

Class 1	A	11	24	Class II	DR	4	11
	B	62	60		DR51	Negative	
	C	10	09		DR52	Positive	
	Bw4	Negative			DR53	Positive	
	Bw6	Positive			DQB1	7	8
			DQA1		03	05	
			DPB1		03:01	04:01	
Comment:							

*Methodology:RT-PCR

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Confirmatory HLA (UPENN)*

Class 1	A	11:01	24:02	Class II	DRB1	11:01	04:04
	B	15:01	40:01		DRB3	02:02	-----
	C	03:03	03:04		DRB4	-----	01:03
					DRB5	-----	-----
					DQB1	03:01	03:02
					DQA1	03:01	05:05
					DPB1**	03:01	04:01
					DPA1	01:03	-----

*HLA typing performed using NGS **DPB1 124:01, 350:01 allele combination was not R/O

Infectious Disease Serology

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

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L)	137	147	137
Creatinine	1.11	1.11	0.5
Glucose (mg/dL)	323	323	87
HbA1C%	ND	-----	-----
Total bilirubin	0.4	0.4	0.3
SGOT (AST)	95	97	56
SGPT (ALT)	50	73	58
Alkaline phosphatase	81	127	93
Serum Amylase	ND	ND	ND
Serum Lipase	20	20	20
WBC (THO/uL)	13.3	25.5	2.5
Hgb (g/dL)	13.2	13.2	7.5
Platelets (THO/uL)	247	595	506
INR	1.2	1.3	1.3

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Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive (1000)	Negative		

Medications During Hospitalization

Steroids**	None		
Diuretics	None		
T3 Protocol	None		
T4 Protocol*	Not Given – DCD Donor		
Insulin**	gtt started on d(-3) before recovery and ongoing to OR (\approx 3 days)		
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