

HPAP005 Donor Summary



HPAP	005	UNOS		
Recovery OPO	GLDP	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>	
Age (years)	14	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Race	African American	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
Sex	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	71 Hours	32 Mins.
ABO (Rh)	O+	Cross Clamp Time	1/27/2017 @ 04:29 EST	
BMI (Kg/m²)	24.13	Cold Ischemia Time*	8 Hours	23 Mins.
Cause of Death	Anoxia	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	Cardiovascular	Organs Recovered	Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input checked="" type="checkbox"/>	Kidney <input checked="" type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	0 Hours 26 Mins.	
CPR / Time	Yes <input checked="" type="checkbox"/> 55 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	60 minutes	Blood Culture	No Growth – Adenovirus DNA PCR-negative	
Date /Time of Admission	1/24/2017 @04:57 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		Acute Lung Injury	Right basilar atelectasis - 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	-----	-----	-----
Asthma	Dx at 3 Mths.	14 years	Ventolin, Albutral, Advair	Yes
CAD	None	-----	-----	-----
Hypertension	None	-----	-----	-----
Hyperlipidemia	None	-----	-----	-----
Autoimmune disease	None	-----	-----	-----
Family History	CAD <input checked="" type="checkbox"/> Grand Parents	Diabetes <input checked="" type="checkbox"/> Great-Grand Parents, Mothers side	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	None			
Comments:	Patient on birth control pills for migraine			

HEMODYNAMIC PROFILE

Average BP During Hospitalization (mmHg)	120/70	
Average Low BP During Hospitalization (mmHg)	64/36	Duration: 10 mins.
Average BP in OR (mmHg)	125/95	
Average Low BP in OR (mmHg)	65/50	Duration: 5 min.
Average HR in OR (bpm)	140	
ABG-pH range	7.48 – 6.98	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None	-----	-----
PRBCs	None	-----	-----
Platelets	None	-----	-----
Norepinephrine (Levophed)	None	-----	-----
Vasopressin	32 m units/Kg/hr. for 48 hours		
Neo-Syneprine	None	-----	-----
Epinephrine	0.1mcg/Kg/min for 48 hours.		
Phenylephrine	None	-----	-----
Dopamine	None	-----	-----

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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None	-----	-----
PRBCs	301	-----	-----
Platelets	None	-----	-----
Norepinephrine (Levophed)	None	-----	-----
Vasopressin	None	-----	-----
Neo-Syneprine (phenylephrine)	None	-----	-----
Epinephrine	None	-----	-----
Dopamine	None	-----	-----
Heparin		22,000	

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	0	0	-0.001	-0.004	5.14	ND
Cut-off values	20	5	0.010	0.020	-----	-----

*Sample obtained at time of organ recovery

HLA (OPO) *

Class 1	A	2	68	Class II	DR	11	14
	B	62	53		DR51	Negative	
	C	1	4		DR52	Positive	
	Bw4	Positive			DR53	Negative	
	Bw6	Positive			DQB	5	-----
					DQA	01	-----
				DPB	01:01	04:01	

*HLA typing performed by Methodology RT – PCR

Confirmatory HLA (UPENN) *

	A	02:01	68:02	Class II	DRB1	11:01	14:54
	B	15:01	53:01		DRB3	02:02	03:01
	C	01:02	04:01		DRB4	-----	-----
					DRB5	-----	-----
					DQB1	05:01	05:03
					DQA1	01:01	01:04
					DPB1	01:01	04:01
					DPA1	01:03	02:01

*Performed by Next Generation Sequencing (NGS)



Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Positive	Yes	-----
EBV IgM	Negative	Yes	-----
CMV	Negative	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	-----	-----	-----
Ultrio HBV	Non-Reactive	Yes	-----
Ultrio HCV	Non-Reactive	Yes	-----
Ultrio HIV	Non-Reactive	Yes	-----
Toxoplasma IgG	Negative	Yes	-----

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	145	165	152
Creatinine (<1.5)	1.2	1.7	1.1
Glucose (mg/dL) (60-150)	79	495	183
HbA1C%	5.4	-----	-----
Total bilirubin (mg/dl) (0-1.0)	0.6	0.9	0.6
SGOT (AST) (u/L) (0-40)	251	170	118
SGPT (ALT) (u/L) (5-35)	183	170	118
Alkaline phosphatase (u/L)	74	126	126
Serum Amylase (u/L)	504	504	111
Serum Lipase (u/L) (0-80)	111	262	25
WBC (THO/uL)	21.8	45.5	45.5
Hgb (g/dL)	12.1	12.6	9.9
Platelets (THO/uL)	217	248	166
INR	1.1.5	1.75	1.21

Urinalysis

	1 st	2 nd	3 rd	
Glucose	>1000	>1000	-----	-----



Medications During Hospitalization

Steroids	30 mg (one dose)
Diuretics	None
T3 Protocol	None
T4 Protocol*	Yes –Started 24 hours before recovering @ 39 mcg/hr. and continued till cross clamp.
Insulin**	7.1 units/hr. for 24 hours
Antihypertensive	-----
Vasodilators	-----
DDAVP**	-----
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