

HPAP007 Donor Summary



HPAP	007	UNOS		
Recovery OPO	GLDP	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>	
Age (years)	65	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Race	Caucasian	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
Sex	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	107 Hours 68 Mins.	
ABO (Rh)	O+	Cross Clamp Time	3/29/2017 Time: 20:49 EST	
BMI (Kg/m²)	42.62	Cold Ischemia Time*	12 Hours 32 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"/> 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 checked="" type="checkbox"/> No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	Hours Mins. 31	
CPR / Time	Yes <input checked="" type="checkbox"/> 15 minutes Hypothermia Protocol Initiated. No <input type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input type="checkbox"/> Intestine <input type="checkbox"/>	
Total Est. Downtime	30 mins.	Blood Culture	No Growth	
Date /Time of Admission	3/25/2017 @ 09:08 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		Acute Lung Injury	Left lower lobe 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	T2D	No treatment needed after gastric bypass 2013	-----	-----
Cancer	None	-----	-----	-----
CAD	Yes	≈ 5 years	Nitroglycerine 0.4 mg	Yes
Hypertension	Yes	≈ 5 years	Lisinopril 5 mg. Lopressor 50 mg	Yes
Hyperlipidemia	Yes	≈ 5 years	Crestor 20mg.	Yes
Autoimmune disease	None	-----	-----	-----
Family History	CAD <input checked="" type="checkbox"/> Parents	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Pulmonary Embolism 2002 IVC filter 2007 CABG x2- 2010, Gastric Bypass 2013 Panniculectomy 2014			
Comments:				

HEMODYNAMIC PROFILE

Average BP During Hospitalization (mmHg)	120/70	
Average Low BP During Hospitalization (mmHg)	92/61	Duration: <u>60</u> mins.
Average BP in OR (mmHg)	130/65	
Average Low BP in OR (mmHg)	110/60	Duration: <u>5</u> mins.
Average HR in OR (bpm)	80	
ABG-pH range	7.09 –7.46	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None		
PRBCs	None		
Platelets	None		
Norepinephrine (Levophed)	Yes	20mcg/min	≈ 24 hrs.
Vasopressin	Yes	0.04 mcg/min	≈ 24 hrs.
Neo-Syneprine	None	-----	-----
Epinephrine	None	-----	-----
Phenylephrine	None	-----	-----
Dopamine	Yes	6mcg	≈ 24 hrs.

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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)	240 mcg/min		In OR
Epinephrine	None		
Dopamine	None		
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD):

GAD-65	IA-2
Serum not available	Serum not available

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	Serum not available					
Cut-off values	-----	-----	-----	-----	-----	-----

*Sample obtained at time of organ recovery

HLA (OPO) *

Class 1	A	1	2	Class II	DR	4	13
	B	63	27		HLA DR51	Negative	
	C	9	7		HLADR52	Positive	
	Bw4	Positive			HLADR53	Positive	
	Bw6	Negative			DQB	8	6
					DQA	01	03
				DPB	14:01		

*HLA typing performed by Methodology RT – PCR

Confirmatory HLA (UPENN) *

	A	01:01	02:01	Class II	DRB1	13:01	04:01
	B	15:17	27:05		DRB3	03:01	-----
	C	03:03	07:01		DRB4	-----	01:03
					DRB5	-----	-----
					DQB1	03:02	06:03
					DQA1	01:03	03:03
					DPB1	14:01	-----
					DPA1	02:01	-----

*Performed by Next Generation Sequencing (NGS)

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Infectious Disease Serology

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

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	143	156	143
Creatinine (<1.5)	1.73	1.78	0.95
Glucose (mg/dL) (60-150)	214	302	283
HbA1C%	5.9	-----	-----
Total bilirubin (mg/dl) (0-1.0)	0.2	0.8	0.5
SGOT (AST) (u/L) (0-40)	524	524	57
SGPT (ALT) (u/L) (0-50)	408	408	99
Alkaline phosphatase (45-110 u/L)	81	86	78
Serum Amylase (45-110 u/L)	ND	ND	ND
Serum Lipase (0-80 u/L)	ND	ND	ND
WBC (THO/uL)	17.2	17.2	8.6
Hgb (g/dL)	12	12	8.3
Platelets (THO/uL)	344	344	164
INR	1.1	1.1	1.0

Urinalysis

	1 st	2 nd	3 rd	
Glucose	500			

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Medications During Hospitalization

Steroids	Solumedrol 1 gm 8 hrs before cross clamp		
Diuretics	Lasix (100 mg) and Mannitol (50 gm) in OR		
T3 Protocol	None		
T4 Protocol*	Yes – 40 mcg/hr for \approx 24 hrs.		
Insulin**	Regular Insulin (9 units) 14 hrs. before cross clamp		
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**