

HPAP_103_ Donor Summary



HPAP	103	UNOS	
Recovery OPO	PADV – Gift of Life Donor Program	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>
Age (years)	48	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	116 Hours 51 Mins.
ABO (Rh)	O +	Cross Clamp Time	08/03/2021 15:19 EDT
BMI (Kg/m²) Weight (kg) Height (cm)	36.442 96.3 162.56	Cold Ischemia Time*	19 Hours 49 Mins.
Cause of Death	CVA/Stroke	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> Viaspan/SPS-1
Mechanism of Injury	Intracranial Hemorrhage/Stroke	Organs Recovered	Heart <input checked="" type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input checked="" type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <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:	00 Hours 26 Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> 20-30 minutes No <input type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Kidney <input type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	20-30 minutes	Blood Culture	No Growth
Date /Time of Admission	07/29/2021 18:28 EDT	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Extensive bilateral lung consolidation with bilateral pleural effusions.

*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	-----	-----	-----	-----
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	yes	17 years	unknown	yes
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input checked="" type="checkbox"/> Mother: CAD, HTN	Diabetes <input checked="" type="checkbox"/> Father - NIDDM	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Appy, Hysterectomy, Left Ankle Screws and Rods, Moles removed			
Comments:	Medical Hx: HTN, hypothyroidism. Biopsy of Left arm skin: Compound nevus with architectural disorder and mild to moderate melanocytic atypia and congenital features social Hx: Social ETOH			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	122/74	
Average Low BP During Hospitalization	98/70	Duration: 5 minutes
Average BP in OR (mmHg)	120/80	
Average Low BP in OR (mmHg)	70/50	Duration: 3 minutes
Average HR in OR (bpm)	100	
ABG-pH range	7.13 – 7.47	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	15- 0.02 mcg/kg/min started 69:25 hrs before organ recovery	
Vasopressin	-----	0.04 units/min started 80:45 hrs. before organ recovery	
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Syneprine (phenylephrine)	-----	40 mcg/min	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

Not performed for HPAP-T2D program

GAD-65	IA-2

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	0	0	-0.001	-0.002
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	8.79	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	31	Class II	DR	4	
	B	39	44		DR51	N-Negative	N-Negative
	C	05	12		DR52	N-Negative	N-Negative
	Bw4	Positive			DR53	53	53
	Bw6	Positive			DQB1	8	5
			DQA1		01	03	
			DPB1		04:01	04:01	
Comment:							

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Confirmatory HLA (UPENN)*

Not performed for HPAP-T2D program

Class 1	A			Class II	DRB1		
	B				DRB3		
	C				DRB4		
					DRB5		
					DQB1		
					DQA1		
					DPB1		
					DPA1		

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	positive	✓	-
EBV IgM	Negative	✓	-
CMV	Positive	✓	-
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Non-Reactive	✓	-
Procleix Ultrio	-----	-----	-----
Ultrio HBV	Non-Reactive	✓	-
Ultrio HCV	Non-Reactive	✓	-
Ultrio HIV	Non-Reactive	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	137	157	154
Creatinine (<1.5)	0.98	0.98	0.65
Glucose (mg/dL) (60-150)	245	245	181
HbA1C%	6		
Total bilirubin (0-1.0)	0.4	1.2	0.8
SGOT (AST) (0-40)	34	34	25
SGPT (ALT) (5-35)	100	100	23
Alkaline phosphatase (45-110)	118	122	122
Serum Amylase (23-851)	30	40	23
Serum Lipase (0-80)	20	28	23
WBC (THO/uL) (4.5-11.0)	16.9	16.9	9.1
Hgb (g/dL) (12-16)	15.5	15.5	8.9
Platelets (THO/uL) (150-350)	295	295	125
INR (<2.0)	1	1.4	1.4

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Negative	Negative	Negative	Positive:150

Medications During Hospitalization

Steroids**	-----		
Diuretics	Lasix 60 mg, Diuril 500 mg		
T3 Protocol	-----		
T4 Protocol*	40 mcg/hr		
Insulin**	5 units x 2		
Antihypertensive	Labetalol 10 mg x2 stopped 2 days before organ recovery, Fentanyl		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Dexmedetomidine 0.4 – 0.6 mcg/kg/min, midazolam 4 – 9 mg/hr, Ketamine 77 mg/hr, Nimotop 30 mgx 7m, Fentanyl 200-400 mcg/hr. Rocuronium 50 mg	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