

HPAP-085 Donor Summary



HPAP	085	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	110 Hours 38 Mins.
ABO (Rh)	A Negative	Cross Clamp Time	2/15/2021 14:38 EST
BMI (Kg/m ²)	39.78	Cold Ischemia Time*	19 Hours 38 Mins.
Weight (kg)	118.8		
Height (cm)	167.64		
Cause of Death	CVA/Stroke	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>
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 type="checkbox"/> No <input checked="" type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	00 Hours 9 Mins.
CPR / Time	Yes <input type="checkbox"/> No <input checked="" 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	No downtime	Blood Culture	No Growth
Date /Time of Admission	2/11/2021 00:00 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Small collection of lung consolidation left perihilar region. Probable trace left pleural effusion.

*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	T2DM	6-10 years	oral meds and Insulin for unknown duration	Yes
History of cancer	----	----	----	----
CAD	----	----	----	----
Hypertension	----	----	----	----
Hyperlipidemia	----	----	----	----
Autoimmune disease	----	----	----	----
Family History	CAD <input checked="" type="checkbox"/>	Diabetes <input checked="" type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	B/L carpal tunnel surgery 20 years ago			
Comments:	Medical Hx: Took depression and DM meds for unknown duration. Wore a vest to "stimulate" the heart for some time, Unspecified heart issues Family Hx: maternal grandfather had Hx of CAD, mother had Hx of DM Social Hx: smoked cigarettes unk amount since her 20s			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	135/72	
Average Low BP During Hospitalization	99/42	Duration: 15 minutes
Average BP in OR (mmHg)	130/73	
Average Low BP in OR (mmHg)	90/58	Duration: 5 minutes
Average HR in OR (bpm)	112	
ABG-pH range	7.24 – 7.49	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
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)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

Not performed for HPAP-T2D program

GAD-65	IA-2
ND	ND

Confirmatory results: Radioimmuno Assay (RIA)

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

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	7.2	-----

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	3	11	Class II	DR	4	16
	B	60	44		DR51	51	N-Negative
	C	10	05		DR52	N-Negative	N-Negative
	Bw4	Positive			DR53	53	N-Negative
	Bw6	Positive			DQB1	8	5
					DQA1	01	03
					DPB1	04:01	10:01
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	Negative	✓	-
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)	143	155	150
Creatinine (<1.5)	1	1	0.8
Glucose (mg/dL) (60-150)	174	245	245
HbA1C%	7.3	----	----
Total bilirubin (0-1.0)	0.4	0.8	0.6
SGOT (AST) (0-40)	33	33	20
SGPT (ALT) (5-35)	20	23	23
Alkaline phosphatase (45-110)	99	99	70
Serum Amylase (23-851)	26	----	----
Serum Lipase (0-80)	16	----	----
WBC (THO/uL) (4.5-11.0)	18.4	18.4	12.9
Hgb (g/dL) (12-16)	15.3	15.3	14.4
Platelets (THO/uL) (150-350)	280	280	204
INR (<2.0)	0.99	1.2	1.19

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive:100	----	----	----

Medications During Hospitalization

Steroids**	-----
Diuretics	Mannitol 50 gms
T3 Protocol	-----
T4 Protocol*	Yes, 40 mcg/hr
Insulin**	20 units/0.2 ml insulin regular 17:02 hrs. before organ recovery
Antihypertensive	-----
Vasodilators	-----
DDAVP**	-----
Total parenteral nutrition	-----
Other	Levothyroxine 20 MCG/HR , Ancef 1 gm, Fortaz 1 gm
	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