

HPAP-181 Donor Summary



HPAP	181	UNOS		
Recovery OPO	Gift of Life Donor Program	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>	
Age (years)	58	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 checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	86 Hours 55 Mins.	
ABO (Rh)	B Negative	Cross Clamp Time	08/31/2024 11:05 EST	
BMI (Kg/m²)	27.24	Cold Ischemia Time*	5 Hours 12 Mins.	
Weight (kg)	78.9			
Height (cm)	170.18			
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"/> Lung <input checked="" 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 type="checkbox"/> No <input checked="" type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text"/> Hours <input type="text"/> Mins. NA	
CPR / Time	Yes <input type="checkbox"/> No <input checked="" 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	-----	Blood Culture	No Growth	
Date /Time of Admission	08/27/2024 20:10 EST	PHS High Risk	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
		Acute Lung Injury	No pleural effusion or pneumothorax. Small tracheal diverticulum, right lower lobe consolidative opacities, and airway-centered micronodules	

*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	-----	-----	-----
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input checked="" type="checkbox"/> Brother, Niece	Diabetes <input checked="" type="checkbox"/> Father,Brother,Great- Nephew	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Cholecystectomy 1-2years ago			
Comments:	Medical Hx: Bad Seasonal Allergies, Had severe headache week prior to admission, Medication Hx: Fexofenadine OTC for allergies Social Hx: Smoker 1.5ppd for 40+years, drank wine and liquor monthly,1-2 mixed drinks socially since late teen , Had a male partner for the last 12 years			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	129/64	
Average Low BP During Hospitalization	88/56	Duration: 3 – 60 min.
Average BP in OR (mmHg)	NA	
Average Low BP in OR (mmHg)	NA	Duration: NA
Average HR in OR (bpm)	NA	
ABG-pH range	7.15 - 7.37	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	0.06 mcg/kg/min, Continuous IV, started 78.14 hrs before organ recovery.	
Vasopressin	-----	0.03 units/min, Continuous IV, started 77.25 hrs. before organ recovery.	
Neo-Synephrine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	NA	NA	NA
PRBCs	NA	NA	NA
Platelets	NA	NA	NA
Norepinephrine (Levophed)	NA	NA	NA
Vasopressin	NA	NA	NA
Neo-Syneprine (phenylephrine)	NA	NA	NA
Epinephrine	NA	NA	NA
Dopamine	NA	NA	NA
Heparin	NA	NA	NA

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	1	0	-0.004	0.004
Cut-off values	> 20.0	> 5.0	> 0.010	> 0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	3.750	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	3	Class II	DR	1	1
	B	27	35		DR51	N-Negative	N-Negative
	C	1	4		DR52	N-Negative	N-Negative
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	5	5
			DQA1		01	01	
			DPB1		04:01	04:02	
DPA1			01	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	Positive	✓	-
CMV	Positive	✓	-
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Non-Reactive	✓	-
Procleix Ultrio	ND	-	-
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)	139	154	154
Creatinine (<1.5)	0.99	1.1	0.81
Glucose (mg/dL) (60-150)	219	234	169
HbA1C%	5.8	-----	-----
Total bilirubin (0-1.0)	0.4	0.8	0.4
SGOT (AST) (0-40)	30	46	14
SGPT (ALT) (5-35)	25	25	12
Alkaline phosphatase (45-110)	149	149	82
Serum Amylase (23-851)	46	46	33
Serum Lipase (0-80)	32	53	28
WBC (THO/uL) (4.5-11.0)	28.1	28.1	16.7
Hgb (g/dL) (12-16)	15.1	15.8	9.1
Platelets (THO/uL) (150-350)	312	312	152
INR (<2.0)	1.2	1.4	1.3

Urinalysis

	1 st	2 nd	3 rd	4 th	5 th
Glucose	Positive: 150	Positive: 50	Positive: 50	Positive: >=500	Abnormal

Medications During Hospitalization

Steroids**	NA		
Diuretics	NA		
T3 Protocol	NA		
T4 Protocol*	NA		
Insulin**	Insulin Regular 2 -20units started 61:57 hrs. before organ recovery		
Antihypertensive	-----		
Vasodilators	NA		
DDAVP**	NA		
Total parenteral nutrition	NA		
Other	NSS 100ml/hr, Cefazolin 1000mg, Ancef 1g, dextrose, 1 amp, levothyroxine 20mcg, Albuterol 1amp (x4), Methylprednisolone 1gm (x3), Potassium Chloride 20 mEq, Potassium Phosphate 30 mmol,	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