



HPAP-166 Donor Summary

HPAP	166	UNOS	
Recovery OPO	PADV - 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	<input type="text" value="98"/> Hours <input type="text" value="29"/> Mins.
ABO (Rh)	A positive (A1)	Cross Clamp Time	11/06/2023 14:07 EST
BMI (Kg/m²)	22.31	Cold Ischemia Time*	<input type="text" value="3"/> Hours <input type="text" value="55"/> Mins.
Weight (kg)	74.6		
Height (cm)	182.88		
Cause of Death	Anoxia	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> UW/Belzer Cold Storage/Viaspan/SPS-1
Mechanism of Injury	Drug Intoxication	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"/> Not documented	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text" value="00"/> Hours <input type="text" value="20"/> Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not documented	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	Unknown epi x1, went into v fib, shocked x 1, ROSC and intubated ion field	Blood Culture	NA
Date /Time of Admission	11/02/2023 11:38 EDT	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Bibasilar atelectasis/scarring, emphysematous changes, stable effusions, no pneumothorax.

*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	10 years	metformin	Yes
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	yes	4 years	Lisinopril	Yes
Hyperlipidemia	Yes	4 years	atorvastatin	Yes
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/> mother	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Amputation of right leg- AKA in 2021			
Comments:	<p>Medical Hx: Hypertension, Hyperlipidemia. DM2, osteomyelitis, heart failure, cellulitis- PMHx obtained via DHIN on 11/5</p> <p>Medication Hx: Suboxone duration of use: 1 year</p> <p>Social Hx: Socially drank 1-2 beers for 4-5 years in his 20s. Hasn't drank in over 20 years.</p> <p>Drug History: Used cocaine by snorting for 7 years, last known usage date: unknown.</p> <p>Urine toxicology tested positive for both cocaine and fentanyl on the admission date.</p>			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	126/64	
Average Low BP During Hospitalization	101/56	Duration: 15 – 70 min.
Average BP in OR (mmHg)	122/64	
Average Low BP in OR (mmHg)	100/48	Duration: 2 min.
Average HR in OR (bpm)	64	
ABG-pH range	7.26 – 7.39	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	303 and 222 ml	2	525
Whole Blood	485	2	970
PRBCs	285	1	285
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	0.14 mcg/kg/min started 69:07 hrs. before organ recovery	
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	-----	1 Units/hr	-----
Neo-Syneprine (phenylephrine)	-----	150 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	-0.003
Cut-off values	20	5	0.01	0.02

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	5.01	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	11	Class II	DR	4	8
	B	38	51		DR51	N-Negative	N-Negative
	C	4	7		DR52	N-Negative	N-Negative
	Bw4	Positive			DR53	53	N-Negative
	Bw6	Negative			DQB1	8	4
			DQA1		03	04	
					DPB1	09:01	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	Negative	✓	-
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)	131	166	159
Creatinine (<1.5)	0.96	1.46	1.46
Glucose (mg/dL) (60-150)	414	414	374
HbA1C%	7.4	-----	-----
Total bilirubin (0-1.0)	0.5	0.6	0.5
SGOT (AST) (0-40)	45	45	17
SGPT (ALT) (5-35)	44	44	22
Alkaline phosphatase (45-110)	90	97	97
Serum Amylase (23-851)	53	53	27
Serum Lipase (0-80)	46 (11/5/23)	46	25
WBC (THO/uL) (4.5-11.0)	16.2	17.5	6.2
Hgb (g/dL) (12-16)	12.5	15.4	13.3
Platelets (THO/uL) (150-350)	253	253	128
INR (<2.0)	1.01	1.7	1.7

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Negative	Positive: 50 - Abnormal	NA	NA

Medications During Hospitalization

Steroids**	-----
Diuretics	Furosemide 20 mg started 52:12 hrs before organ recovery for the duration of 3min. Mannitol 25% 1 dose (74.6 gm) started 71:22 hrs. before organ recovery for the duration of 9 min.
T3 Protocol	-----
T4 Protocol*	40 mcg/hr
Insulin**	3 units started 75:22 hrs. before organ recovery
Antihypertensive	-----
Vasodilators	-----
DDAVP**	-----
Total parenteral nutrition	-----
Other	Versed 25mg/hr, Fentanyl 100mcg/hr, Magnesium Sulfate 20gm, Sodium Phosphate 20mmol, Vancomycin 1000 - 1750mg, Keppr 1500mg, Heparin Sodium 5000 units, Zosyn 3.375gm,

*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