HPAP -104- Donor Summary

HPAP	**104**	***UNOS***	
Recovery OPO	PADV-Gift of Life Donor Program	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	4	**DCD**	YES ☐ NO ☒
Race	Hispanic	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	243 Hours 38 Mins.
ABO (Rh)	A1 positive	**Cross Clamp Time**	08/24/21 23:38
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	20.634 21.3 101.60	**Cold Ischemia Time***	11 Hours 31 Mins.
Cause of Death	Anoxia	**Preservation Solution**	UW ☒ HTK☐ UW/Belzer Cold Storage/Viaspan/SPS-1
Mechanism of Injury	Drowning	**Organs Recovered**	Heart ☒ Kidney ☒ Lung ☒ Pancreas ☒ Liver ☒ Intestine ☐
Cardiac Arrest/Downtime	Yes ☒ No ☐	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	00 Hours 22 Mins.
CPR / Time	Yes ☒ No ☐ >30 minutes	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	not documented	**Blood Culture**	No Growth
Date /Time of Admission	08/14/21 20:00 EDT	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Bibasilar and scattered lung atelectasis. Pneumomidiastenum

***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	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD ☐	Diabetes ☒	Auto immune disease ☐	Others:
Surgical History:	Adenoidectomy, myringotomy with tympanostomy tubes			
Comments:	Medical Hx: G6PD deficiency but did not require treatment or have any medication. RSV bronchiolitis(with hospitalization), neutropenia eith fever, dehydration, viral respiratory infection, mild intermittent asthma, chronic otorrhea of right ear. Documented allergy to aspirin and sulfa Family Hx: maternal grandmother had diabetes Medication Hx: Unknown probiotics daily for 6 months			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	111/62	
Average Low BP During Hospitalization	95/55	**Duration: 2-60 min.**
Average BP in OR (mmHg)	95/54	
Average Low BP in OR (mmHg)	62/40	**Duration: 1 min.**
Average HR in OR (bpm)	84	
ABG-pH range	7.013 – 7.478	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	200	ml	200
PRBCs	210	ml	210
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	ongoing 0.5 units/hr started 23:21 hrs before organ recovery	
Neo-Synephrine	-----	-----	-----
Epinephrine	-----	0.03 mcg/kg/min started 10 days before organ recovery for the duration of 143:47 hrs	
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-Synephrine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	6300	-----

Initial Autoantibody Screening (nPOD): ELISA

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	-0.001	-0.001
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	2.22	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	**A**	3	33	**Class II**	**DR**	4	15
	B	65	49		**DR51**	51	N-Negative
	C	07	08		**DR52**	N-Negative	N-Negative
	Bw4	**Positive**			**DR53**	53	N-Negative
	Bw6	**Positive**			**DQB1**	8	6
	[redacted]				**DQA1**	01	03
					DPB1	02:01	17:01
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	**A**	03:01	33:03	**Class II**	**DRB1**	04:05	15:03
	B	14:02	49:01		**DRB3**	-----	-----
	C	07:01	08:02		**DRB4**	01:03	-----
					DRB5	-----	01:01
					DQB1	03:02	06:02
					DQA1	01:02	03:03
					DPB1	02:01	17:01
					DPA1	01:03	02:01

*HLA typing performed using NGS

Infectious Disease Serology

		Hemo/Plasma Dilution Status	
Test	**Result**	**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	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)	137	165	143
Creatinine (<1.5)	0.65	0.77	0.32
Glucose (mg/dL) (60-150)	270	275	126
HbA1C%	4.9	-----	-----
Total bilirubin (0-1.0)	0.2	1.2	0.5
SGOT (AST) (0-40)	599	1118	66
SGPT (ALT) (5-35)	459	769	49
Alkaline phosphatase (45-110)	104	226	132
Serum Amylase (23-851)	32	32	30
Serum Lipase (0-80)	25	35	20
WBC (THO/uL) (4.5-11.0)	9.6	17.2	15.8
Hgb (g/dL) (12-16)	10.1	13	9.3
Platelets (THO/uL) (150-350)	173	310	133
INR (<2.0)	1.7	2.1	1.46

Urinalysis

	1st	2nd	3rd	4th
Glucose	**Positive** >=500	Negative	Negative	**Positive** 150

Medications During Hospitalization

Steroids**	Methylprednisolone		
Diuretics	Lasix gtt 1.065 mg/hr started 9 days before organ recovery for the duration of 105:08 hrs		
T3 Protocol	-----		
T4 Protocol*	Yes, 1mcg/hr		
Insulin**	-----		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Arginine Vasopressin, Levothyroxine 24mcg/hr, Sodium Bicarbonate 32 mEq, Potassium Chloride4 mEq, Calcium Gluconate1 bm, Vancomycin 320 mg, Ceftriaxone 1000 mg, Famitodine 4.4 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