HPAP-148 Donor Summary

HPAP	**148**	***UNOS***	
Recovery OPO	**Sharing Hope SC Greenville, SC**	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	7	**DCD**	YES ☐ NO ☒
Race	Black or African American	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	167 Hours 12 Mins.
ABO (Rh)	O Positive	**Cross Clamp Time**	04/01/23 16:42 ET
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	14.9 25.854 132.08	**Cold Ischemia Time***	19 Hours 19 Mins.
Cause of Death	Head Trauma	**Preservation Solution**	UW ☐ HTK☐ NA
Mechanism of Injury	Blunt Injury	**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:**	☐ Hours ☐ Mins. NA
CPR / Time	Yes ☐ No ☒	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	No Downtime	**Blood Culture**	No growth 5 days
Date /Time of Admission	03/25/2023 17:30 EDT	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Right basilar opacity likely reflects atelectasis. Some shift of the mediastinal contents to the right suggesting volume loss.

***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 ☒ maternal grandfather	Auto immune disease ☐	Others:
Surgical History:	None			
Comments:				

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	105/64	
Average Low BP During Hospitalization	87 / 57	**Duration: 15 M**
Average BP in OR (mmHg)	NA	
Average Low BP in OR (mmHg)	NA	**Duration: NA**
Average HR in OR (bpm)	NA	
ABG-pH range	7.12 – 7.6	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	180 - 323	2	503
PRBCs	282 - 399.6	3	1060.6
Platelets	252	1	252
Cryoprecipitate	40	1	40
Norepinephrine (Levophed)	-----	0.02 – 0.15 mcg/kg/min started 164:36 hrs. before organ recovery for the duration of 100:25 hrs.	
Vasopressin	-----	0.013-0.5 units/hr started 154:10 hrs. before Forgan recovery for the duration of 128:46 hrs.	
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-Synephrine (phenylephrine)	NA	NA	NA
Epinephrine	NA	NA	NA
Dopamine	NA	NA	NA
Heparin	NA	NA	NA

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
GADA+, index 7.9	IA-2A+

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	571	121	-0.005	-0.001
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	4.62	NA

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	**A**	03	34	**Class II**	**DR**	13	15
	B	72	44		**DR51**	51	-----
	C	02	04		**DR52**	-----	52
	Bw4	Positive			**DR53**	-----	-----
	Bw6	Positive			**DQB1**	06	06
	[redacted]				**DQA1**	01	01
					DPB1	02:01	02:01
					DPA1	01	03
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	**A**	03:01	34:02	**Class II**	**DRB1**	13:01	15:03
	B	15:03	44:03		**DRB3**	01:01	-----
	C	02:10	04:01		**DRB4**	-----	-----
					DRB5	-----	01:01
					DQB1	06:02	06:03
					DQA1	01:02	01:03
					DPB1	02:01	105:01
					DPA1	01:03	03:01

*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)	162	162	139
Creatinine (<1.5)	0.64	0.64	0.43
Glucose (mg/dL) (60-150)	135	186	136
HbA1C%	5.3	-----	-----
Total bilirubin (0-1.0)	0.5	3.5	3.5
SGOT (AST) (0-40)	145	145	75
SGPT (ALT) (5-35)	66	66	43
Alkaline phosphatase (45-110)	146	174	165
Serum Amylase (23-851)	138	138	75
Serum Lipase (0-80)	110	110	46
WBC (THO/uL) (4.5-11.0)	8.6	15.1	13.8
Hgb (g/dL) (12-16)	8.0	12.8	7.5
Platelets (THO/uL) (150-350)	141	201	201
INR (<2.0)	1.2	**13.2**	1.4

Urinalysis

	1st	2nd	3rd	4th- 8th
Glucose	Negative	Negative	Negative	Negative

Medications During Hospitalization

Steroids**	NA		
Diuretics	NA		
T3 Protocol	NA		
T4 Protocol*	NA		
Insulin**	0.02 – 0.08 units/kg/hr started 163:04 hrs before organ recovery for the duration of 9:19 hrs.		
Antihypertensive	NA		
Vasodilators	NA		
DDAVP**	NA		
Total parenteral nutrition	NA		
Other	Zosyn 2610 mg, Levothyroxine 16 mcg/hr, 3% NaCL Neb, albuterol 2.5mg, eye ointment, Ancef 440 mg, keppra 500 mg, Bacitracin 500unit/gram, REFRESH PLUSDROPPERETTE, Protonix 40 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