HPAP-141 Donor Summary

HPAP	141	***UNOS***	
Recovery OPO	LifeLink of Georgia	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	29	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	134 Hours 17 Mins.
ABO (Rh)	A	**Cross Clamp Time**	01/21/2023 11:57 EST
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	31.4 114.6 190.5	**Cold Ischemia Time***	19 Hours 13 Mins.
Cause of Death	Head Trauma	**Preservation Solution**	UW ☒ HTK☐ Heart storage solution: HTK
Mechanism of Injury	Gunshot Wound to the Head/Suicide	**Organs Recovered**	Heart ☒ Kidney ☒ Lung ☐ Pancreas ☒ Liver ☒ Intestine ☐
Cardiac Arrest/Downtime	Yes ☒ No ☐ 5 Min.	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	____ Hours ____ Mins. NA
CPR / Time	Yes ☒ No ☐ 5 Min.	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	5 Min.	**Blood Culture**	No growth at 5 days.
Date /Time of Admission	01/15/2023 06:51 EST	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	1. Mild pulmonary edema 2. Patchy opacity in the right upper lobe may represent a slightly more focal area of edema or pneumonia in the appropriate clinical setting.

***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	T1DM	unknown	unknown	-----
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD ☐	Diabetes ☐	Auto immune disease ☐	Others:
Surgical History:	None			
Comments:	Medical Hx: Head injury in 2013 Social Hx: drinking "a lot" liquor 3-4 times a week for the past 8 years Smoked marijuana(inhaled) 2-3 times a week Traveled to Mexico in 2022 for two weeks and deployed to Afghanistan in 2013 for 9 months			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	136/79	
Average Low BP During Hospitalization	98/61	**Duration: 5 min.**
Average BP in OR (mmHg)	110/64	
Average Low BP in OR (mmHg)	98/62	**Duration: ---**
Average HR in OR (bpm)	105	
ABG-pH range	7.2 – 7.52	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	270-300	4	1170
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	2-10 units started 141:36 hrs. before organ recovery for the duration of 46:59hrs.	
Vasopressin	-----	0.04 - 0.5 units/hr started 139:53 hrs. before organ recovery for the duration of 87:29 hrs.	
Neo-Synephrine		0.2 - 0.5 mcg/kg/min started 81:04 before organ recovery for the duration of 12:15hrs.	
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-Synephrine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
GADA+ (index9.0)	NA

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	397	0	0.004	-0.003
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	9.94	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	1	30	Class II	DR	103	17
	B	7	8		DR51	Negative	Negative
	C	07	07		DR52	3*01	Negative
	Bw4	Negative			DR53	Negative	Negative
	Bw6	Positive			DQB1	2	5
	[redacted]				DQA1	01	05
					DPB1	01:01	04:01
					DPA1	01	02
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	**A**	01:01	30:01	**Class II**	**DRB1**	01:03	03:01
	B	07:02	08:01		**DRB3**	01:01	-----
	C	07:01	07:02		**DRB4**	-----	-----
					DRB5	-----	-----
					DQB1	02:01	05:01
					DQA1	01:01	05:01
					DPB1	01:01	04:01
					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	**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)	141	151	141
Creatinine (<1.5)	1.62	1.66	0.78
Glucose (mg/dL) (60-150)	223	225	187
HbA1C%	**5.7**	-----	-----
Total bilirubin (0-1.0)	0.3	0.8	0.8
SGOT (AST) (0-40)	58 (1/17/23)	191	59
SGPT (ALT) (5-35)	26(1/17/23)	78	61
Alkaline phosphatase (45-110)	38 (1/17/23)	51	47
Serum Amylase (23-851)	102	102	51
Serum Lipase (0-80)	250	250	117
WBC (THO/uL) (4.5-11.0)	12.1	22	8.3
Hgb (g/dL) (12-16)	12.9	12.9	9.1
Platelets (THO/uL) (150-350)	208	208	120
INR (<2.0)	1.17	1.39	1.39

Urinalysis

	1st	2nd	3rd	4th	5th	6th	7th	8th
Glucose	Negative	Positive (Trace)	Positive (3+)	Negative	Negative	Negative	Negative	Positive (+3)

Medications During Hospitalization

Steroids**	Solumedrol 250mg (single dose) 50 mg/hr. started 87:51 hrs. before organ recovery		
Diuretics	Lasix 20-40 mg started 25:57 hrs. before organ recovery		
T3 Protocol	-----		
T4 Protocol*	37.5 mls started 6:57 hrs. before organ recovery		
Insulin**	2 – 16 units/hr Started 28:57 hrs. before organ recovery		
Antihypertensive	-----		
Vasodilators	Nitroglycerin 5 mcg/min started 00:42hrs. before organ recovery		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Levothyroxine 5 -30 mg/hr, LR, KCL 20- 60 mEq, Ca Gluc 1gm, KCL 20mEq Albumin 25 gm, Flagyl 500 mg, vancomycin 1.75 – 2 gb, Kphos30 mmol, Mag Sulfate4 gm, Lovenox 40 mg/hr , Keppra 500mg, 50 mcg/hr, Propofo 200 mg(in OR) , Cefepime 2gm, Fentanyl 50 mcg/hr	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