HPAP-129 Donor Summary

HPAP	**129**	***UNOS***	
Recovery OPO	GLDP	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	19	**DCD**	YES ☐ NO ☒
Race	Hispanic	**DBD**	YES ☒ NO ☐
Sex	M ☐ F☒	**Admission to Cross Clamp**	100 Hours 32 Mins.
ABO (Rh)	A Negative	**Cross Clamp Time**	08/11/2022 17:31 EDT
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	18.01 49.1 165.1	**Cold Ischemia Time***	18 Hours 20 Mins.
Cause of Death	Anoxia	**Preservation Solution**	UW ☒ HTK☐ UW/Belzer Cold storage/Viaspan/SPS
Mechanism of Injury	Asphyxiation	**Organs Recovered**	Heart ☒ Kidney ☒ Lung ☒ Pancreas ☒ Liver ☒ Intestine ☒
Cardiac Arrest/Downtime	Yes ☐ No ☐ unknown	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	0 Hours 0 Mins.
CPR / Time	Yes ☒ No ☐ 15 minutes	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	Unknown	**Blood Culture**	NA
Date /Time of Admission	08/07/2022 12:59 EDT	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Hazy interstitial change in the mid to lower lung zones likely secondary to layering effusions and areas of consolidation.

***Cold Ischemia time is calculated from time of cross clamp to start of enzyme perfusion for islet isolation.**

HPAP-129 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	None	-----	-----	-----
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD ☐	Diabetes ☒ Paternal grandmother and father had Hx DM	Auto immune disease ☐	Others:
Surgical History:	NA			
Comments:	Pt smoke pot for 2 years, last used day of admission.			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	113/63	
Average Low BP During Hospitalization	58/45	**Duration: 1 min.**
Average BP in OR (mmHg)	127/68	
Average Low BP in OR (mmHg)	68/42	**Duration: 1 min.**
Average HR in OR (bpm)	91	
ABG-pH range	6.95 – 7.48	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	2-4 mcg/min started 70:36 hrs. before organ recovery	
Vasopressin		1 unit stated 62:48hrs. before organ recovery	
Neo-Synephrine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	75 mcg/min started 68:42 hrs. before organ recovery for he duration of 7:10 hrs.	
Dopamine	-----	-----	-----

HPAP-129 Donor Summary

Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Synephrine (phenylephrine)	-----	120 mcg/min	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
Negative	Negative

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	-0.002
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	2.91	NA

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	**A**	23	68	**Class II**	**DR**	18	7
	B	65	57		**DR51**	N-Negative	N-Negative
	C	07	08		**DR52**	52	N-Negative
	Bw4	Positive			**DR53**	53	N-Negative
	Bw6	Positive			**DQB1**	2	4
	[redacted]				**DQA1**	02	04
					DPB1	01:01	11:01
Comment:							

HPAP-129 Donor Summary

Confirmatory HLA (UPENN)*

Class 1	**A**	23:01	68:02	**Class II**	**DRB1**	03:02	07:01
	B	14:02	57:03		**DRB3**	03:01	-----
	C	07:01	08:02		**DRB4**	-----	01:03
					DRB5	-----	-----
					DQB1	02:02	04:02
					DQA1	02:01	04:01
					DPB1	01:01	11:01
					DPA1	02:01	02:02

*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	✓	-

HPAP-129 Donor Summary

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	138	162	161
Creatinine (<1.5)	1	1.1	0.8
Glucose (mg/dL) (60-150)	289	329	273
HbA1C%	**5.2**	-----	-----
Total bilirubin (0-1.0)	0.2	1	0.8
SGOT (AST) (0-40)	318	464	50
SGPT (ALT) (5-35)	326	343	59
Alkaline phosphatase (45-110)	63	63	60
Serum Amylase (23-851)	25	25	16
Serum Lipase (0-80)	5	12	12
WBC (THO/uL) (4.5-11.0)	15	24.3	10
Hgb (g/dL) (12-16)	11.3	15.2	8.9
Platelets (THO/uL) (150-350)	167	167	80
INR (<2.0)	1.5	1.59	1.46

Urinalysis

	1st	2nd	3rd	4th	5th
Glucose	500	500	500	50	>500

Medications During Hospitalization

Steroids**	Methylprednisolone 2 gm, started 62:50 hrs. before organ recovery		
Diuretics	Furosemide20 mg, started 96:58 hrs. before organ recovery, Mannitol 25 gm		
T3 Protocol	-----		
T4 Protocol*	40 mcg/hr		
Insulin**	Insulin Aspart 8-25 unites , Insulin Glargine 15 units started 96:00 hrs before organ recovery		
Antihypertensive	Hydralazine 10 mg started 100:13 hrs. before organ recovery		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Sodium Bicarbonate, Levothyroxine 40 mcg/hr, Furosemide20 mg, TDAP 0.5, Potassium Chloride 10 mEq, Dextrose 50%, Dextrose, Levenox 40 mg, Demerol 25 mg, Magnesum sulfate 1g potassium pohosphate, Keppra 100mg, Lorazepam 2mg, Tylenol650, Benadryl 50	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