HPAP-161 Donor Summary

HPAP	***161***	***UNOS***	
Recovery OPO	GLDP	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	58	**DCD**	YES ☐ NO ☒
Race	African American	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	118 Hours 39 Mins.
ABO (Rh)	A(A1) Positive	**Cross Clamp Time**	08/21/2023 22:39 EDT
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	30.28 89 171.45	**Cold Ischemia Time***	14 Hours 33 Mins.
Cause of Death	Anoxia	**Preservation Solution**	UW ☒ HTK☐ Storage/Viaspan/SPS-1
Mechanism of Injury	Cardiovascular	**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 20 Mins.
CPR / Time **Comments**	Yes ☒ No ☐ 90 Minutes unknown epi administration; Admit pH: 7.025	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	90 Minutes	**Blood Culture**	NA
Date /Time of Admission	08/17/2023 00:00 EDT	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Possible small left pleural effusion.

***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	Not treated	-
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	yes	> 10 years	Not taken	
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD ☐	Diabetes ☒ siblings (brother and sister), mom, dad	Auto immune disease ☐	Others:
Surgical History:	Toe amputation			
Comments:	Medical Hx:, PVD, PAD, osteomyelitis, amputation of TMA left, Schizophrenia, right foot MRSA 6/2023 Social Hx:Smoked 1 ppd cigarettes over 30 years, snorted cocaine on and off since 20's			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	114/56	
Average Low BP During Hospitalization	87/46	**Duration: 2-5 min.**
Average BP in OR (mmHg)	96/48	
Average Low BP in OR (mmHg)	80/30	**Duration: 5 min.**
Average HR in OR (bpm)	82	
ABG-pH range	7.02 – 7.424	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	30-40 mcg/min started 98:40 hrs. before organ recovery for the duration of 53:00 hrs.	
Vasopressin	-----	0.03 Units/hr started 98:40 hrs. before Forgan recovery.	
Neo-Synephrine	-----	-----	-----
Epinephrine	-----	14 mcg/min started 98:40 hrs. before organ recovery for the duration of 53:00 hrs.	
Phenylephrine	-----	300 mcg/min started 98:40 hrs before organ recovery.	
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)	-----	5 mcg/min	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

Not performed for HPAP-T2D program

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	-0.006	-0.001
Cut-off values	20	5	0.01	0.02

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	13.91	NA

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	68	74	Class II	DR	12	15
	B	07	58		DR51	51	N-Negative
	C	06	07		DR52	52	N-Negative
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	05	06
	[redacted]				DQA1	01	01
					DPB1	414:01	13:01
					DPA1	01	02
Comment:							

HPAP-161 Donor Summary

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

		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)	131	140	140
Creatinine (<1.5)	1.62	2.82	2.67
Glucose (mg/dL) (60-150)	733	733	281
HbA1C%	5.1 (from PCP chart /July 2023)	-----	-----
Total bilirubin (0-1.0)	0.5	0.5	0.5
SGOT (AST) (0-40)	1497	1497	71
SGPT (ALT) (5-35)	1325	1325	353
Alkaline phosphatase (45-110)	125	125	73
Serum Amylase (23-851)	NA	NA	96
Serum Lipase (0-80)	NA	NA	32
WBC (THO/uL) (4.5-11.0)	26.9	26.9	12.9
Hgb (g/dL) (12-16)	10.7	10.7	7.1
Platelets (THO/uL) (150-350)	133	133	42
INR (<2.0)	1.8	1.8	1.3

Urinalysis

	1st	2nd	3rd	4th
Glucose	Negative	Negative	NA	NA

Medications During Hospitalization

Steroids**	Solumedrol 1 gm		
Diuretics	Mannitol 50 gms Lasix 100 gms		
T3 Protocol	-----		
T4 Protocol*	20 mcg/hr.		
Insulin**	Insulin Regular 12 units/hr. started 98:40 hrs. before organ recovery		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Vancomycin500 – 1500 mg, Hydrocortisone 50mg, Zosyn 3.375gm, Magnesium Sulfate 1 gm, Albuterol 2.5mg , Calcium Glucon 2gm, ate	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