HPAP-086 Donor Summary

HPAP	**086**	***UNOS***	
Recovery OPO	FLFH - Our legacy	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	47	**DCD**	YES ☐ NO ☒
Race	African American	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	89 Hours 23 Mins.
ABO (Rh)	A	**Cross Clamp Time**	02/16/2021 17:23 EST
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	33.188 117.3 188	**Cold Ischemia Time***	Hours Mins. No Islet Isolation
Cause of Death	Trauma	**Preservation Solution**	UW ☒ HTK☐
Mechanism of Injury	Death from Natural causes	**Organs Recovered**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐ **NA**
Cardiac Arrest/Downtime	Yes ☐ No ☐ Unknown	**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	Unknown	**Blood Culture**	**NA**
Date /Time of Admission	02/13/2021 00:00 EST	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Aspiration with collapse right upper lobe.

***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	5 years	Unknown oral medication	yes
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD ☐	Diabetes ☒	Auto immune disease ☐	Others:
Surgical History:	None			
Comments:	Medical Hx: Paternal grandfather had diabetes Social Hx: smoking 3-4 cigarette a dayx6-7 years, Marijuana a few times a month, drinking Beer, 2 cans afew time a month x 20 yrs			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	123/61	
Average Low BP During Hospitalization	75/49	**Duration: NA**
Average BP in OR (mmHg)	125/65	
Average Low BP in OR (mmHg)	79/58	**Duration: 5 minutes**
Average HR in OR (bpm	75	
ABG-pH range	7.28 – 7.44	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs		6 – 10 PRBC and whole	
Platelets	-----	-----	-----
Norepinephrine (Levophed)		0.8 MCG/KG/MIN started 3 days before organ recovery for the duration of 30:55 hrs	
Vasopressin	-----	0.01 units/min for the duration of 1:02 hr before Crossclamp	
Neo-Synephrine	-----	-----	-----
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	-----	0.01 units/min	
Neo-Synephrine (phenylephrine)	-----	-----	-----
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	18	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	0.3	-----

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	23	68	Class II	DR	13	13
	B	72	81		DR51	N-Negative	N-Negative
	C	02	18		DR52	52	52
	Bw4	Negative			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	6	6
	[redacted]				DQA1	01	01
					DPB1	01:01	02:01
Comment:							

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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	✓	-
EBNA	Positive	✓	-
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 (HBV NAT)	Negative	✓	-
Ultrio HCV (HCV NAT)	Negative	✓	-
Ultrio HIV (HIV NAT)	Negative	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	140	153	153
Creatinine (<1.5)	1.33	1.44	0.89
Glucose (mg/dL) (60-150)	196	301	137
HbA1C%	5.3	----	----
Total bilirubin (0-1.0)	0.8	1.4	1
SGOT (AST) (0-40)	133	133	93
SGPT (ALT) (5-35)	40	40	33
Alkaline phosphatase (45-110)	43	43	36
Serum Amylase (23-851)	153	----	----
Serum Lipase (0-80)	3	----	----
WBC (THO/uL) (4.5-11.0)	7.2	16.2	9.1
Hgb (g/dL) (12-16)	12.8	12.8	7.6
Platelets (THO/uL) (150-350)	258	258	76
INR (<2.0)	1.4	1.9	1.5

Urinalysis

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

Medications During Hospitalization

Steroids**	Slumedrol 1gm q24 h		
Diuretics	Lasix20 mg		
T3 Protocol	-----		
T4 Protocol*	Yes		
Insulin**	-----		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Arginine vasopressin, Vancox1 Zosyn q8h, Albutrol q4h	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