HPAP 061 Donor Summary

HPAP	*061*	***UNOS***	
Recovery OPO	New England Donor Services	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	59	**DCD**	YES ☐ NO ☒
Race	African American	**DBD**	YES ☒ NO ☐
Sex	M ☐ F☒	**Admission to Cross Clamp**	108 Hours 40 Mins.
ABO (Rh)	A1 Negative	**Cross Clamp Time**	07/01/20 05:40 EST
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	38.27 230 165.1	**Cold Ischemia Time***	12 Hours 3 Mins.
Cause of Death	Cerebrovascular/Stroke	**Preservation Solution**	UW ☒ HTK☐
Mechanism of Injury	Intracranial Hemorrhage/Stroke	**Organs Recovered**	Heart ☐ Kidney ☒ Lung ☐ Pancreas ☒ Liver ☒ Intestine ☐
Cardiac Arrest/Downtime	Yes ☐ Unknown downtime / believed to be short No ☐	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	00 Hours 53 Mins.
CPR / Time	Yes ☐ Not clear No ☐	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	Not clear	**Blood Culture**	No Growth
Date /Time of Admission	6/26/20 17:00 EST	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Bibasilar atelctasis

***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	T2D	Unknown	Metformin, Ozempic	
History of cancer	No	----	----	----
CAD	No	----	----	----
Hypertension	Yes	10 years		Yes
Hyperlipidemia	Yes	Unknown		
Autoimmune disease	----	----	----	----
Family History	CAD ☒	Diabetes ☐	Auto immune disease ☐	Others:
Surgical History:	Hysterectomy approximately 25 years ago Right shoulder total replacement May 2019			
Comments:	She had Graves disease due to hyperthyroidism Father had a history of CAD			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	124/69	
Average Low BP During Hospitalization	84/59	**Duration: 60 min**
Average BP in OR (mmHg)	125/70	
Average Low BP in OR (mmHg)	100/55	**Duration: 5 min**
Average HR in OR (bpm)	95	
ABG-pH range	7.07-7.48	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	mcg/min	8 doses (for the duration of 43:59 hrs, 3 days before organ recovery)
Vasopressin	-----	U/min	0.01 - 0.02 U/min (for the duration of 31:30 hrs, 1 day before organ recovery)
Neo-Synephrine	-----	mcg/min	10 doses 1 day before organ recovery
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)	-----	30 mcg/min	-----
Epinephrine			
Dopamine			
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD):ELISA

Not performed for HPAP-T2DM 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	- 0.002	- 0.015
Cut-off values	20	5	0.01	0.02

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	1.14	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	30	33	Class II	DR	8	9
	B	71	49		DR51	Negative	Negative
	C	10	07		DR52	Negative	Negative
	Bw4	Positive			DR53	4*01	Negative
	Bw6	Positive			DQB1		
	[redacted]				DQA1		
					DPB1		
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	✓	-----
CMV	Negative	✓	-----
HBcAb	Non- Reactive	✓	-----
HBsAg	Non- Reactive	✓	-----
HCV Ab	Non- Reactive	✓	-----
HIV I/II	Non- Reactive	✓	-----
Syphilis	Non- Reactive	✓	-----
Procleix Ultrio	Complete		
Ultrio HBV (HBV NAT)	Non- Reactive	✓	-----
Ultrio HCV (HCV NAT)	Non- Reactive	✓	-----
Ultrio HIV	Non- Reactive	✓	-----
Toxoplasma Ab	Negative	✓	-----
Coronavirus ASRA-CoV-2 RT-PCR	Not Detected	✓	-----

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	135	170	141
Creatinine (<1.5)	0.86	1.23	1.2
Glucose (mg/dL) (60-150)	212	212	163
HbA1C%	5.9	-	-
Total bilirubin (0-1.0)	0.4	0.6	0.4
SGOT (AST) (0-40)	26	297	297
SGPT (ALT) (5-35)	311	311	58
Alkaline phosphatase (45-110)	100	100	94
Serum Amylase (23-851)	68	74	30
Serum Lipase (0-80)	21	21	9
WBC (THO/uL) (4.5-11.0)	29.44	38.61	34.1
Hgb (g/dL) (12-16)	14.3	14.3	8.9
Platelets (THO/uL) (150-350)	361	361	165
INR (<2.0)	1	1.4	1.3

Urinalysis

	1st	2nd	3rd	4th
Glucose	Positive 1+	Positive 1+	Negative	negative

Medications During Hospitalization

Steroids**			
Diuretics	Lasix 30 mg, Lasix Q6 10 mg		
T3 Protocol	-----		
T4 Protocol*	Yes, T4 : 10 mcg/hr, T4-bolus: 20 mcg/hr		
Insulin**	6 U/hr		
Antihypertensive	Yes		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Nicardipine	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