HPAP-069 Donor Summary

HPAP	069	***UNOS***	
Recovery OPO	GLDP	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	47	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☐ F☒	**Admission to Cross Clamp**	107 Hours 34 Mins.
ABO (Rh)	O+	**Cross Clamp Time**	09/17/2020 13:34
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	24.86 72 170.18	**Cold Ischemia Time***	6 Hours 41 Mins.
Cause of Death	CVA/Stroke	**Preservation Solution**	UW ☒ HTK☐
Mechanism of Injury	Intracranial Hemorrhage/Stroke	**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 29 Mins.
CPR / Time	Yes ☐ No ☒	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	No cardiac downtime	**Blood Culture**	No Growth
Date /Time of Admission	9/13/2020 02:00 EST	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Concerning for atelectasis or pneumonia

***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	No	----	----	----
History of cancer	----	----	----	----
CAD	yes	----	----	----
Hypertension	yes	25 years	----	----
Hyperlipidemia	----	----	----	----
Autoimmune disease	----	----	----	----
Family History	CAD ☐	Diabetes ☒	Auto immune disease ☐	Others:
Surgical History:	foot surgery , tubal ligation, augmentation of breast			
Comments:	Grandmothers of both sides of family had diabetes Patient had kidney artery stenosis Patient smoked ½ ppd for 25 years, smoked marijuana >10 years and snorted meth very seldom			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	119/66	
Average Low BP During Hospitalization	95/61	**Duration: 15-30 min**
Average BP in OR (mmHg)	120/60	
Average Low BP in OR (mmHg)	88/42	**Duration: 1 min**
Average HR in OR (bpm)	70	
ABG-pH range	7.217 – 7.409	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	------	------	------
PRBCs	------	------	------
Platelets	------	------	------
Norepinephrine (Levophed)	------	2 mcg/min during Echocardiogram	
Vasopressin	------	------	------
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	------	-----	------
Neo-Synephrine (phenylephrine)	------	------	------
Epinephrine	------	------	------
Dopamine	------	------	------
Heparin	------	22,000	------

Initial Autoantibody Screening (nPOD): ELISA

Not performed for HPAP-T2D program

GAD-65	IA-2
----	----

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	0.01	0.02

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	4.85	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	24	Class II	DR	13	15
	B	51	53		DR51	51	N-Negative
	C	04	05		DR52	52	N-Negative
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Negative			DQB1	6	6
	[redacted]				DQA1	01	01
					DPB1	04:01	04:01
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	✓	-
CMV	Positive	✓	-
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Non-Reactive	✓	-
Procleix Ultrio	-	–	-
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)	139	166	155
Creatinine (<1.5)	1.24	2.13	1.85
Glucose (mg/dL) (60-150)	287	287	188
HbA1C%	6.7	-	-
Total bilirubin (0-1.0)	0.4	0.7	0.5
SGOT (AST) (0-40)	56	56	46
SGPT (ALT) (5-35)	41	41	26
Alkaline phosphatase (45-110)	91	91	78
Serum Amylase (23-851)	16	16	15
Serum Lipase (0-80)	30	30	23
WBC (THO/uL) (4.5-11.0)	16.4	22.8	9.2
Hgb (g/dL) (12-16)	13.6	13.6	10.4
Platelets (THO/uL) (150-350)	255	273	214
INR (<2.0)	1.6	1.6	1.5

Urinalysis

	1st	2nd	3rd	4th
Glucose	Not reported	-	-	-

Medications During Hospitalization

Steroids**	-----		
Diuretics	-----		
T3 Protocol	-----		
T4 Protocol*	Yes, 20 mcg/hr (Intraoperative Management)		
Insulin**	4 units, started 4 days before organ recovery		
Antihypertensive	Nicardipine 10-15 mg/hr, Labetalol 10 mcg started 4 days before organ recovery		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Anectine	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