HPAP-077 Donor Summary

HPAP	*077*	*UNOS*	
Recovery OPO	GLDP Gift of Life Donor Program	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	47	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	99 Hours 57 Mins.
ABO (Rh)	O+	**Cross Clamp Time**	12/03/2020 03:57
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	32.78 97.8 172.72	**Cold Ischemia Time***	10Hours 15Mins.
Cause of Death	Anoxia	**Preservation Solution**	UW ☒ HTK☐
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:**	0 Hours 24 Mins.
CPR / Time	Yes ☒ ~30 minutes No ☐	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	~30 minutes	**Blood Culture**	No Growth
Date /Time of Admission	11/29/2020 00:00	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Combination of atelectasis, pleural effusion, and/or consolidation

***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	-----	-----	-----	-----
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD ☒	Diabetes ☐	Auto immune disease ☐	Others:
Surgical History:	Right hip replacement 2010, slipped epiphysis- left pinned together(hip and socket)(1989-1990)			
Comments:	Father had a heart attack and passed away at age 62, grandfather had a heart attack			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	128/60	
Average Low BP During Hospitalization	114/62	**Duration: 60 minutes**
Average BP in OR (mmHg)	118/74	
Average Low BP in OR (mmHg)	98/64	**Duration: 3 minutes**
Average HR in OR (bpm)	106	
ABG-pH range	6.89 – 7.37	

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	10mcg/min started 4 days before organ recovery	
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)	-----	50 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	0.003
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	5.77	-

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	24	Class II	DR	11	15
	B	7	35		DR51	51	N-Negative
	C	04	07		DR52	52	N-Negative
	Bw4	Negative			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	7	6
	[redacted]				DQA1	01	05
					DPB1	04:01	04:01
Comment:							

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Confirmatory HLA (UPENN)*

Not performed for the 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	-	-	-
Ultrio HBV	Non Reactive	✓	-
Ultrio HCV	Non Reactive	✓	-
Ultrio HIV	Non Reactive	✓	-
Toxoplasma Ab	Positive	✓	-
SARS-CoV-2	Negative	✓	-

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	143	159	155
Creatinine (<1.5)	1.7	2.63	2.53
Glucose (mg/dL) (60-150)	370	381	174
HbA1C%	5.7	-	-
Total bilirubin (0-1.0)	0.2	1.2	1.2
SGOT (AST) (0-40)	343	343	95
SGPT (ALT) (5-35)	283	283	95
Alkaline phosphatase (45-110)	102	115	106
Serum Amylase (23-851)	199	199	157
Serum Lipase (0-80)	700	700	486
WBC (THO/uL) (4.5-11.0)	7	15.5	6.4
Hgb (g/dL) (12-16)	14.7	14.7	10.8
Platelets (THO/uL) (150-350)	170	256	184
INR (<2.0)	1.22	1.42	1.42

Urinalysis

	1st	2nd	3rd	4th
Glucose	Positive: 250	Negative	-	-

Medications During Hospitalization

Steroids**	Solumedrol 1 gm		
Diuretics	1 dose of Furosemide 20 mg 1day before organ recovery		
T3 Protocol	----		
T4 Protocol*	Yes 50 mcg/hr		
Insulin**	----		
Antihypertensive	----		
Vasodilators	----		
DDAVP**	1 mcg 1 dose 1 day before organ recovery		
Total parenteral nutrition	----		
Other	Buspirone 30 gm, amiodarone1mg/min, Dobutamine 5mcg/kg/min, Fentanyl 50mcg(x3) Manitol 50 gms	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