HPAP-074 Donor Summary

HPAP	*074*	*UNOS*	
Recovery OPO	GLDP	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	40	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☐ F☒	**Admission to Cross Clamp**	119 Hours 18 Mins.
ABO (Rh)	B+	**Cross Clamp Time**	11/13/2020 01:06 EST
BMI (Kg/m²) **Weight (kg)** **Height (cm)**	36.88 90 156.21	**Cold Ischemia Time***	11 Hours 25 Mins.
Cause of Death	Anoxia	**Preservation Solution**	UW ☒ HTK☐
Mechanism of Injury	Drug Intoxication	**Organs Recovered**	Heart ☒ Kidney ☒ Lung ☐ Pancreas ☒ Liver ☒ Intestine ☐
Cardiac Arrest/Downtime	Yes ☒ 0 minute No ☐	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	0 Hours 5 Mins.
CPR / Time	Yes ☒ 20 minutes No ☐	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	unknown	**Blood Culture**	No Growth
Date /Time of Admission	11/08/2020 01:48 EST	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	atelectasis/pneumonia

***Cold Ischemia time is calculated from time of cross clamp to start of enzyme perfusion for islet isolation**. p

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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:	Tubal ligation, c.sectionx2 (19 and 16 years ago)			
Comments:	Social Hx: smoker ½ ppd/20 years Drug Hx: Marijuana daily x22 yrs, Cocaine-x8 yrs, Percocet x3 yrs Medical Hx: Severe asthma, frequent hospitalization, used inhaler and neb Seizures 2 years ago, Migraines Meds: Symbiocort 80, prednisone 10 mg OD, Inpratropium-albutrol			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	122/64	
Average Low BP During Hospitalization	94/53	**Duration: 15-60 min**
Average BP in OR (mmHg)	120/65	
Average Low BP in OR (mmHg)	101/47	**Duration: 5 minutes**
Average HR in OR (bpm)	95	
ABG-pH range	7.19 - 7.45	

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----	----	----
PRBCs	----	----	----
Platelets	----	----	----
Norepinephrine (Levophed)	----	10 mcg/min 5 days before organ recovery	
Vasopressin	----	0.03 units/min 4 days before organ recovery	
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	----	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	5	0	-0.001	-0.004
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	4.25	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	3	Class II	DR	13	15
	B	7	60		DR51	51	N-negative
	C	10	07		DR52	52	N-negative
	Bw4	Negative			DR53	N-negative	N-negative
	Bw6	Positive			DQB1	6	6
	[redacted]				DQA1	01	01
					DPB1	03:01	05:01
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	**A**	02:01	03:01	**Class II**	**DRB1**	13:02	15:01
	B	07:02	40:01		**DRB3**	03:01	---
	C	03:04	07:02		**DRB4**	---	---
					DRB5	---	01:01
					DQB1	06:02	06:04
					DQA1	01:02	
					DPB1	03:01	05:01
					DPA1	01:03	02:06

*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)	145	168	150
Creatinine (<1.5)	1.2	1.2	0.85
Glucose (mg/dL) (60-150)	212	297	171
HbA1C%	6.3	----------	----------
Total bilirubin (0-1.0)	0.2	0.5	0.3
SGOT (AST) (0-40)	52	357	51
SGPT (ALT) (5-35)	27	334	159
Alkaline phosphatase (45-110)	89	94	77
Serum Amylase (23-851)	17	17	11
Serum Lipase (0-80)	25	25	8
WBC (THO/uL) (4.5-11.0)	16	29.5	8
Hgb (g/dL) (12-16)	12.6	14.8	9.4
Platelets (THO/uL) (150-350)	470	610	206
INR (<2.0)	1	1.3	1.2

Urinalysis

	1st	2nd	3rd	4th
Glucose	50	>500		

Medications During Hospitalization

Steroids**	-----		
Diuretics	-----		
T3 Protocol	-----		
T4 Protocol*	-----		
Insulin**	3 Unitsx6, 6 Unitsx2, 12 Unitsx1 doses started 4 days before organ recovery		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	1 mcg(x2) 5 days before organ recovery		
Total parenteral nutrition	-----		
Other	Labetolol, Diamox, Hydrocortisone, Insulin NPH, Protonix, Azithromycin	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