HPAP-071 Donor Summary

HPAP ID	071	***UNOS***	
Recovery OPO	**INOP - Indiana Donor Network**	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	12	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☐ F☒	**Admission to Cross Clamp**	95 Hours 32 Mins.
ABO (Rh)	A1	**Cross Clamp Time**	10/21/2020 18:32 EDT
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	15.422 34.7 150	**Cold Ischemia Time***	19 Hours 42 Mins.
Cause of Death	Anoxia`	**Preservation Solution**	UW ☒ HTK☒ initial flush: UW storage solution: HTK
Mechanism of Injury	Asphyxiation/Suicide	**Organs Recovered**	Heart ☒ Kidney ☒ Lung ☒ Pancreas ☒ Liver ☒ Intestine ☐
Cardiac Arrest/Downtime	Yes ☐ No ☐ Unknown	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	0 Hours 52 Mins.
CPR / Time	Yes ☒ No ☐	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	Unknown	**Blood Culture**	No Growth
Date /Time of Admission	10/17/2020 19:00 EDT	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	atelectasis

***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	T1D	3 years duration	Insulin Glargine 100 unit/ml	yes
History of cancer	----	----	----	----
CAD	----	----	----	----
Hypertension	----	----	----	----
Hyperlipidemia	----	----	----	----
Autoimmune disease	----	----	----	----
Family History	CAD ☐	Diabetes ☐	Auto immune disease ☐	Others:
Surgical History:	----			
Comments:	Medical Hx: DMI Drug Hx:Smoked Marijuana 5 times over the last 2 months Smoking Hx: Cigarettes, tried 1 cig in 2017 Patient took prescription medications, Aripiprazol 2mg/day, Melatonin 3 mg/BID, Fluexetine 20mg/day on a regular basis			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	94/51	
Average Low BP During Hospitalization	84/44	**Duration: 60 minutes**
Average BP in OR (mmHg)	119/52	
Average Low BP in OR (mmHg)	94/52	**Duration: 15 minutes**
Average HR in OR (bpm)	136	
ABG-pH range	7.09 - 7.48	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	------	------	------
PRBCs	------	------	------
Platelets	------	------	------
Norepinephrine (Levophed)		MCG/KG/MIN	17 doses, 0.05 – 0.5 mcg/kg/min started 2days before organ recovery
Vasopressin	------	------	------
Neo-Synephrine	------	------	------
Epinephrine	------	MCG/KG/MIN	6 doses, 0.01 – 0.1 mcg/kg/min started 2 days before organ recovery
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	------	10,500	------

Initial Autoantibody Screening (nPOD): ELISA

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	2	245	0.071	0.013
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.06	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	68	Class II	DR	4	7
	B	13	55		DR51	N-Negative	-
	C	06	09		DR52	N-Negative	-
	Bw4	Positive			DR53	4*01	-
	Bw6	Positive			DQB1	2	8
	[redacted]				DQA1	02	03
					DPB1	01:01	04:01
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	**A**	02:01	68:01	**Class II**	**DRB1**	04:01	07:01
	B	13:02	55:01		**DRB3**	-	-
	C	03:03	06:02		**DRB4**	01:03	-
					DRB5	-	-
					DQB1	02:02	03:02
					DQA1	02:01	03:03
					DPB1	01:01	04:01
					DPA1	01:03	02:02

*HLA typing performed using NGS

Infectious Disease Serology

		Hemo/Plasma Dilution Status	
Test	**Result**	**Qualified**	**Non-Qualified**
EBV IgG	Negative	✓	-----
EBV IgM	Negative	✓	-----
CMV	Negative	✓	-----
HBcAb	Negative	✓	-----
HBsAg	Negative	✓	-----
HCV Ab	Negative	✓	-----
HIV I/II	Negative	✓	-----
Syphilis	Negative	✓	-----
Procleix Ultrio	-----	-----	-----
Ultrio HBV (HBV NAT)	Negative	✓	-----
Ultrio HCV (HCV NAT)	Negative	✓	-----
Ultrio HIV (HIV NAT)	Negative	✓	-----
Toxoplasma Ab	Negative	✓	-----
Coronavirus ASRA-CoV-2 RT-PCR	Negative	✓	-----

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	138	160	160
Creatinine (<1.5)	0.74	0.74	0.48
Glucose (mg/dL) (60-150)	354	534	219
HbA1C%	9.8	-	-
Total bilirubin (0-1.0)	0.3	1.2	0.5
SGOT (AST) (0-40)	473	473	26
SGPT (ALT) (5-35)	314	314	49
Alkaline phosphatase (45-110)	192	192	103
Serum Amylase (23-851)	19	19	16
Serum Lipase (0-80)	159	159	6
WBC (THO/uL) (4.5-11.0)	8.5	27.1	17.9
Hgb (g/dL) (12-16)	15	15.5	8.1
Platelets (THO/uL) (150-350)	368	368	212
INR (<2.0)	1.1	1.49	1.49

Urinalysis

	1st	2nd	3rd	4th
Glucose	Positive:	Positive: >500	-	-

Medications During Hospitalization

Steroids**	------		
Diuretics	------		
T3 Protocol	------		
T4 Protocol*	T4 administered		
Insulin**	Insulin administered		
Antihypertensive	------		
Vasodilators	------		
DDAVP**	------		
Total parenteral nutrition	------		
Other	Epinephrine, Levophed, Heparin, Mannitol, Rocuronium, Levothyroxine	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