HPAP-049 Donor Summary

HPAP	*049*	***UNOS***	
Recovery OPO	Sharing Hope SC	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	29	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	81 Hours 16 Mins.
ABO (Rh)	B+	**Cross Clamp Time**	10/03/2019 02:19 EDT
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	37.2 100 175	**Cold Ischemia Time***	15 Hours 36 Mins.
Cause of Death	Head Trauma	**Preservation Solution**	UW ☒ HTK☐
Mechanism of Injury	Gun Shot Wound	**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:**	Hours Mins. Not available
CPR / Time	Yes ☐ No ☒	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☒ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	-------	**Blood Culture**	No Growth
Date /Time of Admission	09/29/2019 17:03 EDT	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	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	None	-----	-----	-----
History of cancer	None	-----	-----	-----
CAD	None	------	-----	-----
Hypertension	None	------	-----	-----
Hyperlipidemia	None	------	-----	-----
Autoimmune disease	None	------	-----	-----
Family History	CAD ☒ Mother	Diabetes ☒ Aunt & Uncle	Auto immune disease ☐	Others:
Surgical History:				
Comments:	History of Asthma as a child – uses inhaler			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	123/66	
Average Low BP During Hospitalization	95/49	**Duration: 15 min**
Average BP in OR (mmHg)	120/60	
Average Low BP in OR (mmHg)	70/30	**Duration: 1 min**
Average HR in OR (bpm)	90	
ABG-pH range	7.24 – 7.52	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	650 during the 48 hours before organ recovery
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	0.005 units/hr	For the duration of 47hrs. 7mins
Neo-Synephrine	-----	1.8mcg/kg/min	For the duration of 34hrs.10 mins
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	-----	9.5units	-----
Neo-Synephrine (phenylephrine)	-----	300 mcg	-----
Epinephrine	-----	-	-----
Dopamine	-----	-	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
Positive	Negative

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	412	0	0.001	0.005
Cut-off values	20	5	.010	.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	6.15	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	24	32	Class II	DR	7	11
	B	7	49		DR51	Negative	Negative
	C	07	07		DR52	Negative	52
	Bw4	Positive			DR53	Negative	Negative
	Bw6	Positive			DQB1	7	9
	[redacted]				DQA1	02	05
					DPB1	04:01	13:01
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	**A**	24:2	32:01	**Class II**	**DRB1**	11:02	O7:01
	B	07:02	49:01		**DRB3**	02:02	------
	C	07:01	07:02		**DRB4**	-----	01:03N
					DRB5	-----	------
					DQB1	03:03	03:19
					DQA1	02:01	05:05
					DPB1	04:01	13:01
					DPA1	01:03	02:01

*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	Negative	✓	-----
HBsAg	Negative	✓	-----
HCV Ab	Negative	✓	-----
HIV I/II	Negative	✓	-----
Syphilis	Negative	✓	-----
Procleix Ultrio	ND	-	-----
Ultrio HBV (HBV NAT)	Negative	✓	-----
Ultrio HCV (HCV NAT)	Negative	✓	-----
Ultrio HIV (HIV NAT)	Negative	✓	-----
Toxoplasma Ab	Negative	✓	-----

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	141	144	141
Creatinine (<1.5)	1.4	1.82	1.06
Glucose (mg/dL) (60-150)	194	345	223
HbA1C%	5.4	-	-
Total bilirubin (0-1.0)	0.6	2.1	1.1
SGOT (AST) (0-40)	100	182	182
SGPT (ALT) (5-35)	93	93	56
Alkaline phosphatase (45-110)	106	106	70
Serum Amylase (23-851)	69	-----	-----
Serum Lipase (0-80)	89	89	32
WBC (THO/uL) (4.5-11.0)	29.1	29.1	14.4
Hgb (g/dL) (12-16)	15.8	15.8	9.3
Platelets (THO/uL) (150-350)	299	299	104
INR (<2.0)	1.3	1.3	1.29

Urinalysis

	1st	2nd	3rd	4th
Glucose	negative	negative	positive	positive

Medications During Hospitalization

Steroids**	1000 mg 48 hours before organ recovery		
Diuretics	Lasix 20- 40 mg, for the duration of 36 Hrs. 42 min (ended 5 hrs. 49 min. before organ recovery)		
T3 Protocol	----------		
T4 Protocol*	Yes – started 24 hours before organ recovery		
Insulin**	4-20 units for the duration of 34 hrs. (ended 19 hrs. 49 min. before organ recovery)		
Antihypertensive	Labetalol 20 mg., Hydralazine 10 mg., Metoprolol 5 mg. 3 days before organ recovery		
Vasodilators	None		
DDAVP**	None		
Total parenteral nutrition	None		
Other	-----	Specify	-----

*T4 protocol: Levothyroxine, (20 mcgs), Solumedrol (2 gms,) Dextrose 50%, (1 amp), Regular Insulin (20u), Negative (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