HPAP012 Donor Summary

HPAP	012	**UNOS**	
Recovery OPO	New England MA	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	18	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☐ F☒	**Admission to Cross Clamp**	146 Hours 43 Mins.
ABO (Rh)	A1B	**Cross Clamp Time**	07/07/2017 @ 06:43 EST
BMI (Kg/m^2)	29.61	**Cold Ischemia Time***	13 Hours 21 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 ☒ No ☐ 40 Minutes	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	0 Hours 42 Mins.
CPR / Time	Yes ☒ No ☐ 40 Minutes	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	40 Minutes	**Blood Culture**	No Growth
Date /Time of Admission	07/01/2017 @04:00 EST	**PHS High Risk**	YES ☒ NO ☐
		Acute Lung Injury	No ARDS

*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 ☐	Diabetes ☐	Auto immune disease ☐	Others:
Surgical History:				
Comments:				

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	110/70	
Average Low BP During Hospitalization	92/66	**Duration:** 30 minutes
Average BP in OR (mmHg)	110/50	
Average Low BP in OR (mmHg)	90/42	**Duration:** 15 Minutes
Average HR in OR (bpm)	90	
ABG-pH range	7.14 – 7.46 ---intra op (7.45)	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None	----------	----------
PRBCs	None	----------	----------
Platelets	None	----------	----------
Norepinephrine (Levophed)	0.5 mcg/Kg/min started d(-5) & stopped in OR (≃ 5 days)		
Vasopressin	Started @ 0.03 on d(-5) and stopped in OR (≃ 5 days)		
Neo-Synephrine	None	----------	----------
Epinephrine	None	----------	----------
Phenylephrine	None	----------	----------
Dopamine	None	----------	----------

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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None	----------	----------
PRBCs	None	----------	----------
Platelets	None	----------	----------
Norepinephrine (Levophed)		0.04/mcg/Kg/min in OR	
Vasopressin		0.1u/min during OR	
Neo-Synephrine (phenylephrine)		80 mcg single dose	
Epinephrine	None	----------	----------
Dopamine	None	----------	----------
Heparin		30,000	
Insulin		4.6 u – single dose in OR	

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	0	0	-0.001	-0.001
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery

***Serum sample drawn on admission to the hospital (screening sample) revealed GAD+ by screening lab in ELISA (Kronus) test and donor was accepted by HPAP program as Aab+ donor. Confirmatory Aab testing of screening sample by ELISA (Kronus) at University of Florida confirmed positivity for GAD while serum sample drawn at organ recovery (recovery sample) was negative. The Radioimmunoassay (RIA) was negative for GAD in both screening and recovery serum samples.*

	C-Peptide (ng/ml)	*Proinsulin*
Results*	4.1	ND

HLA (OPO)*

Class 1	**A**	1	24	**Class II**	**DR**	4	11
	B	62	44		**DR51**	Negative	
	C	2	10		**DR52**	Positive	
	Bw4	Positive			**DR53**	Positive	
	Bw6	Positive			**DQB1**	7	8
	[redacted]				**DQA1**	03	05
					DPB1	04:01	13:01
Comment:							

*Methodology: RT-PCR

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Confirmatory HLA (UPENN)*

Class 1	**A**	01:01	24:02	**Class II**	**DRB1**	11:02	04:01
	B	15:01	44:02		**DRB3**	02:02	----------
	C	03:04	02:02		**DRB4**	----------	01:03
					DRB5	----------	----------
					DQB1	03:02	03:19
					DQA1	03:01	05:05
					DPB1	04:01	13:01
					DPA1	01:03	----------

*HLA typing performed using NGS

Infectious Disease Serology

		Hemo/Plasma Dilution Status	
Test	**Result**	**Qualified**	**Non-Qualified**
EBV IgG	Positive	Yes	----------
EBV IgM	Negative	Yes	----------
CMV	Non-Reactive	Yes	----------
HBcAb	Non-Reactive	Yes	----------
HBsAg	Non-Reactive	Yes	----------
HCV Ab	Non-Reactive	Yes	----------
HIV I/II	Non-Reactive	Yes	----------
Syphilis	Non-Reactive	Yes	----------
Procleix Ultrio	Non-Reactive	Yes	----------
Ultrio HBV	ND	----------	----------
Ultrio HCV	ND	----------	----------
Ultrio HIV	ND	----------	----------
Toxoplasma Ab	Negative	Yes	----------

Laboratory Panel

	Initial	**Peak**	**Terminal**
Na (mEq/L) (140-160)	143	166	153
Creatinine (<1/5)	0.88	0.88	0.5
Glucose (mg/dL) (60-150)	362	362	246
HbA1C%	4.5	----------	----------
Total bilirubin (<1.5)	0.2	0.5	0.3
SGOT (AST) (0-4)	360	360	45
SGPT (ALT) (5-35)	403	443	75
Alkaline phosphatase (45-110)	71	199	97
Serum Amylase (23-851)	----------	----------	31
Serum Lipase (u/L)	66	66	17
WBC (THO/uL) (4.5-11.0)	12.8	20.6	17
Hgb (g/dL) (12-16)	11.7	17.2	9.9
Platelets (THO/uL) (150-350)	209	334	115
INR (<2.0)	1.5	1.5	1.1

Urinalysis

	1st	2nd	3rd	4th
Glucose	Negative	Negative	Negative	Positive (1000)

Medications During Hospitalization

Steroids**	None		
Diuretics	None		
T3 Protocol	None		
T4 Protocol*	Yes – started @ d(-1) and stopped in OR (≃ 18 hrs.)		
Insulin**	4.6 units in OR		
Antihypertensive	None		
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), 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