HPAP026 Donor Summary

HPAP	*026*	***UNOS***	
Recovery OPO	Life Link of Georgia	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	24	**DCD**	**YES** ☒ Relative WIT (Extubation →Flush, 22 mins.) WIT (Circulatory Arrest → Flush, 13 mins.) **NO** ☐
Race	Caucasian	**DBD**	YES ☐ NO ☒
Sex	M ☒ F☐	**Admission to Cross Clamp**	110 Hours 3 Mins.
ABO (Rh)	B (-)	**Cross Clamp Time**	05/14/2018 @ 22:33 EST
BMI (Kg/m^2)	20.8	**Cold Ischemia Time***	16 Hours 27 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 ☐	**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	Unknown	**Blood Culture**	No Growth
Date /Time of Admission	05/10/2018 @ 08:30 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:	Illicit Drug Use – Heroine			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	118/68	
Average Low BP During Hospitalization	49/20	**Duration: 60 Mins.**
Average BP in OR (mmHg)	N/A – DCD Donor	
Average Low BP in OR (mmHg)	N/A – DCD Donor	**Duration:** ----------
Average HR in OR (bpm)	N/A – DCD Donor	
ABG-pH range	6.56 – 7.56	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----------	----------	----------
PRBCs	----------	----------	----------
Platelets	----------	----------	----------
Norepinephrine (Levophed)	Started @ 10mcg/Kg/min and titrated for 3 days		
Vasopressin	Started @ 0.03 mcg/kg/min for 3 days.		
Neo-Synephrine			
Epinephrine	Started 2 days prior to OR for 13 hours.		
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

GAD-65	IA-2
Positive *	Negative

*False positive

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	0.002
Cut-off values	20	5	0.01	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.25	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	----------	Class II	DR	1	15
	B	44	62		DR51	51	----------
	C	05	09		DR52	Negative	
	Bw4	Positive			DR53	Negative	
	Bw6	Positive			DQB1	5	6
	[redacted]				DQA1	01	----------
					DPB1	04:01	04:02
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	**A**	02:01	----------	**Class II**	**DRB1**	01:01	15:01
	B	15:01	44:02		**DRB3**	----------	----------
	C	03:03	05:01		**DRB4**	----------	----------
					DRB5	----------	01:01
					DQB1	05:01	06:02
					DQA1	01:01	01:02
					DPB1	04:01	04:02
					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	Negative	Yes	----------
HBcAb	Negative	Yes	----------
HBsAg	Negative	Yes	----------
HCV Ab	Negative	Yes	----------
HIV I/II	Negative	Yes	----------
Syphilis	Negative	Yes	----------
Procleix Ultrio	ND	----------	----------
Ultrio HBV	Negative	Yes	----------
Ultrio HCV	Negative	Yes	----------
Ultrio HIV	Negative	Yes	----------
Toxoplasma Ab	Negative	Yes	----------
Anti-HTLV I/II	ND	----------	----------

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (140-160)	147	148	132
Creatinine (<1.5)	3.0	3.0	0.5
Glucose (mg/dL) (60-150)	153	263	157
HbA1C%	4.9	----------	----------
Total bilirubin (0-1.0)	0.5	0.9	0.7
SGOT (AST) (0-40)	498	2992	162
SGPT (ALT) (5-35)	777	3521	841
Alkaline phosphatase (45-110)	63	75	66
Serum Amylase (23-851)	65	----------	----------
Serum Lipase (0-80)	37	----------	----------
WBC (THO/uL) (4.5-11.0)	21.5	23.5	8.8
Hgb (g/dL) (12-16)	12.8	14	10
Platelets (THO/uL) (150-350)	156	158	86
INR (<2.0)	1.6	1.7	1.2

Urinalysis

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

Medications During Hospitalization

Steroids**	----------		
Diuretics	----------		
T3 Protocol	None		
T4 Protocol*	Not Known		
Insulin**	Not Known		
Antihypertensive	----------		
Vasodilators	----------		
DDAVP**	----------		
Total parenteral nutrition	----------		
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