HPAP042 Donor Summary

HPAP	*042*	***UNOS***	
Recovery OPO	Gift of Life, Michigan	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	1.1	**DCD**	YES ☒ NO ☐
Race	Caucasian	**DBD**	YES ☐ NO ☒
Sex	M ☒ F☐	**Admission to Cross Clamp**	42 Hours 57 Mins.
ABO (Rh)	O+	**Cross Clamp Time**	06/13/2019 (WIT = 17 minutes) 14:51 EST
BMI (Kg/m²) **Weight (kg)** **Height (cm)**	17.9 9.7 73.66	**Cold Ischemia Time***	16 Hours 59 Mins.
Cause of Death	Anoxia Cardiovascular	**Preservation Solution**	UW ☐ HTK☒
Mechanism of Injury	Cardiovascular	**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.
CPR / Time	Yes ☒ 18 Minutes No ☐	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	18 minutes	**Blood Culture**	No Growth
Date /Time of Admission	06/11/2019 19:54 EST	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Poor Function

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

August 13, 2019

HPAP042 Donor Summary

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:	None			
Comments:	----------			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	106/90	
Average Low BP During Hospitalization	54/14	**Duration: 5 minutes**
Average BP in OR (mmHg)	DCD donor - NA	
Average Low BP in OR (mmHg)	DCD donor	**Duration: ----------**
Average HR in OR (bpm)	DCD donor	
ABG-pH range	6.96 -----7.20	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----------	----------	----------
PRBCs	----------	----------	----------
Platelets	----------	----------	----------
Norepinephrine (Levophed)	0.050/mcg/kg/min for 72 hours		
Vasopressin	9000 milliunits/kg/min for 47 hours		
Neo-Synephrine	----------	----------	----------
Epinephrine	25 mcg single dose 2 days prior to OR		
Phenylephrine	----------	----------	----------
Dopamine	----------	----------	----------

HPAP042 Donor Summary

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	----------	2,756	----------

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	0	0	0.003	0.008
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	2.72	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	68	Class II	DR	4	----------
	B	62	44		DR51	Negative	Negative
	C	4	5		DR52	Negative	Negative
	Bw4	Positive			DR53	4:01	Negative
	Bw6	Positive			DQB1	7	8
	[redacted]				DQA1	03	----------
					DPB1	03:01	04:01
Comment:							

HPAP042 Donor Summary

Confirmatory HLA (UPENN)*

Class 1	**A**	02:01	68:01	**Class II**	**DRB1**	04:01	04:03
	B	15:01	44:02		**DRB3**	----------	----------
	C	04:01	05:01		**DRB4**	01:03	----------
					DRB5	----------	----------
					DQB1	03:01	03:02
					DQA1	03:01	03:03
					DPB1	03:01	04:01
					DPA1	01:03	----------

*HLA typing performed using NGS

Infectious Disease Serology

		Hemo/Plasma Dilution Status	
Test	**Result**	**Qualified**	**Non-Qualified**
EBV IgG	Negative	✓	----------
EBV IgM	Negative	✓	----------
CMV IgG	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	✓	----------

HPAP042 Donor Summary

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	147	150	146
Creatinine (<1.5)	0.7	0.7	0.2
Glucose (mg/dL) (60-150)	**379**	**379**	**242**
HbA1C%	5.2 – 5.6	----------	----------
Total bilirubin (0-1.0)	0.1	0.1	0.1
SGOT (AST) (0-40)	59	96	45
SGPT (ALT) (5-35)	34	34	32
Alkaline phosphatase (45-110)	309	309	176
Serum Amylase (23-851)	ND	ND	ND
Serum Lipase (0-80)	ND	ND	ND
WBC (THO/uL) (4.5-11.0)	24.7	25	25
Hgb (g/dL) (12-16)	12.0	12.0	9.0
Platelets (THO/uL) (150-350)	498	498	249
INR (<2.0)	1.3	ND	ND

Urinalysis

	1st	2nd	3rd	4th
Glucose	1000	100	>1000	----------

Medications During Hospitalization

Steroids**	----------		
Diuretics	----------		
T3 Protocol	----------		
T4 Protocol*	----------		
Insulin**	----------		
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