HPAP027 Donor Summary

HPAP	*027*	***UNOS***	
Recovery OPO	GLDP	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	31	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☐ F☒	**Admission to Cross Clamp**	60 Hours 16 Mins.
ABO (Rh)	O+	**Cross Clamp Time**	06/15/2018 @02:38 EST
BMI (Kg/m^2)	32.71	**Cold Ischemia Time***	9 Hours 59 Mins.
Cause of Death	Anoxia	**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:**	0 Hours 28 Mins.
CPR / Time	Yes ☒ 115 Minutes No ☐	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	115 minutes	**Blood Culture**	No Growth
Date /Time of Admission	06/12/2018 @ 14:22 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.**

HPAP027 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	None	----------	----------	----------
History of cancer	None	----------	----------	----------
CAD	None	----------	----------	----------
Hypertension	None	----------	----------	----------
Hyperlipidemia	None	----------	----------	----------
Autoimmune disease	Possible hypothyroid		Synthroid 50mcg for 10yrs.	yes
Family History	CAD ☒ Father	Diabetes ☐	Auto immune disease ☐	Others:
Surgical History:	1) Blaloch Shunt 1987 (Tetrology of Fallot) 2) 3/29/2018 Mitral and Pulmonic Valve repair 3) 4/29/2018 Tracheostomy			
Comments:	Hx of Down Syndrome			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	110/70	
Average Low BP During Hospitalization	71/52	**Duration: 60 minutes**
Average BP in OR (mmHg)	110/55	
Average Low BP in OR (mmHg)	100/50	**Duration: 15 minutes**
Average HR in OR (bpm)	70	
ABG-pH range	7.32 7.61	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma			
PRBCs	----------	----------	----------
Platelets	----------	----------	----------
Norepinephrine (Levophed)	----------	----------	----------
Vasopressin	----------	----------	----------
Neo-Synephrine	----------	----------	----------
Epinephrine	----------	----------	----------
Phenylephrine	----------	----------	----------
Dopamine	----------	----------	----------

HPAP027 Donor Summary

Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----------	----------	----------
PRBCs	----------	----------	----------
Platelets	----------	----------	----------
Norepinephrine (Levophed)	----------	----------	----------
Vasopressin	----------	----------	----------
Neo-Synephrine (phenylephrine)	250mcg/kg/min	----------	----------
Epinephrine	----------	----------	----------
Dopamine	----------	----------	----------
Heparin	----------	30,000	----------
Solumedrol	2gms	----------	----------

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	0.002	0.000
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	7.06	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	**A**	2	23	**Class II**	**DR**	11	15
	B	7	49		**DR51**	51	
	C	07	---------		**DR52**	52	
	Bw4	Positive			**DR53**	Negative	
	Bw6	Positive			**DQB1**	7	6
	[redacted]				**DQA1**	01	05
					DPB1	04:01	----------
Comment:							

HPAP027 Donor Summary

Confirmatory HLA (UPENN)*

Class 1	**A**	02:01	23:01	**Class II**	**DRB1**	15:01	11:01
	B	07:02	49:01		**DRB3**	02:02	----------
	C	07:01	07:02		**DRB4**	----------	----------
					DRB5	01:01	----------
					DQB1	03:01	06:02
					DQA1	01:02	05:05
					DPB1	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	Yes	----------
EBV IgM	Negative	Yes	----------
CMV	Negative	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	----------	----------	----------
Ultrio HBV	Non-Reactive	Yes	----------
Ultrio HCV	Non-Reactive	Yes	----------
Ultrio HIV	Non-Reactive	Yes	----------
Toxoplasma Ab	Non-Reactive	Yes	----------

HPAP027 Donor Summary

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	144	156	156
Creatinine (<1.5)	1.08	1.08	0.74
Glucose (mg/dL) (60-150)	325	325	133
HbA1C%	4.4	----------	----------
Total bilirubin (0-1.0)	0.3	0.3	0.3
SGOT (AST) (0-40)	168	168	69
SGPT (ALT) (5-35)	134	134	59
Alkaline phosphatase (45-110)	114	114	70
Serum Amylase (23-851)	385	385	208
Serum Lipase (0-80)	38	75	75
WBC (THO/uL) (4.5-11.0)	19.8	19.8	17.1
Hgb (g/dL) (12-16)	8.7	8.7	7.7
Platelets (THO/uL) (150-350)	233	233	211
INR (<2.0)	1.1	1.2	1.2

Urinalysis

	1st	2nd	3rd	4th
Glucose	Negative	----------	----------	----------

Medications During Hospitalization

Steroids**	Solumedral 2 gms. In OR		
Diuretics	Lasix and Mannitol in OR		
T3 Protocol	None		
T4 Protocol*	None		
Insulin**	None		
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