HPAP056 Donor Summary

HPAP	*056*	***UNOS***	
Recovery OPO	GLDP	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	33	**DCD**	YES ☐ NO ☒
Race	Caucasian	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	142 Hours 54 Mins.
ABO (Rh)	AB	**Cross Clamp Time**	02/03/2020 06:44 EST
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	32.89 110 182.88	**Cold Ischemia Time***	8 Hours 32 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 09 Mins.
CPR / Time	Yes ☒ 90 minutes No ☐	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	90 Minutes	**Blood Culture**	No Growth
Date /Time of Admission	01/28/2020 07:50 EST	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Pulmonary Consolidation

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

HPAP056 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	----------	----------	----------	----------
History of cancer	----------	----------	----------	----------
CAD	----------	----------	----------	----------
Hypertension	----------	----------	----------	----------
Hyperlipidemia	----------	----------	----------	----------
Autoimmune disease	----------	----------	----------	----------
Family History	CAD ☒	Diabetes ☒	Auto immune disease ☐	Others:
Surgical History:	Right ankle 22 years ago			
Comments:	Maternal grandparents, Father, Paternal grandparents had diabetes Mother, Father MI about 10 years ago. Grandparents maternal and paternal had history of CAD Patient had varicose vein with no treatment			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	114/70	
Average Low BP During Hospitalization	86/55	**Duration: 30-60 min**
Average BP in OR (mmHg)	130/70	
Average Low BP in OR (mmHg)	81/50	**Duration: 1 min**
Average HR in OR (bpm)	80	
ABG-pH range	7.15 - 7.56	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----------	----------	----------
PRBCs	----------	----------	----------
Platelets	----------	----------	----------
Norepinephrine (Levophed)	----------	0.11mcg/kg/min for the duration of 24.58 hours (stopped 4:37 days before organ recovery	
Vasopressin	----------	----------	----------
Neo-Synephrine	----------	----------	----------
Epinephrine	----------	----------	----------
Phenylephrine	----------	1.5 mcg/kg/min started 5:37 days before organ recovery	
Dopamine	----------	----------	----------

HPAP056 Donor Summary

Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----------	----------	----------
PRBCs	----------	----------	----------
Platelets	----------	----------	----------
Norepinephrine (Levophed)	----------	----------	----------
Vasopressin	----------	----------	----------
Neo-Synephrine (phenylephrine)	----------	50 mcg/min	----------
Epinephrine	----------	----------	----------
Dopamine	----------	----------	----------
Heparin	----------	30,000	----------

Initial Autoantibody Screening (nPOD): Not performed for T2DM program

GAD-65	IA-2
N/A	N/A

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	0.004
Cut-off values	20	5	0.01	0.02

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	14.41	N/A

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	**A**	2	11	**Class II**	**DR**	4	13
	B	13	62		**DR51**	N-Negative	N-Negative
	C	09	06		**DR52**	52	N-Negative
	Bw4	Positive			**DR53**	53	N-Negative
	Bw6	Positive			**DQB1**	7	6
	[redacted]				**DQA1**	01	03
					DPB1	03:01	04:01
Comment:							

HPAP056 Donor Summary

Confirmatory HLA (UPENN)*

Class 1	**A**	02:01	11:01	**Class II**	**DRB1**	13:01	04:07
	B	13:02	15:01		**DRB3**	02:02	--
	C	03:03	06:02		**DRB4**	--	01:03
					DRB5	--	--
					DQB1	03:01	06:03
					DQA1	01:03	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	Positive	✓	----------
EBV IgM	Negative	✓	----------
CMV	Negative	✓	----------
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	✓	----------

HPAP056 Donor Summary

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	143	150	136
Creatinine (<1.5)	3.02	6.33	6.31
Glucose (mg/dL) (60-150)	296	296	159
HbA1C%	5.6/5.9*	-	-
Total bilirubin (0-1.0)	0.6	1.5	1.1
SGOT (AST) (0-40)	236	657	60
SGPT (ALT) (5-35)	237	271	83
Alkaline phosphatase (45-110)	86	166	165
Serum Amylase (23-851)	99	106	87
Serum Lipase (0-80)	13	79	51
WBC (THO/uL) (4.5-11.0)	19.3	29.4	5.2
Hgb (g/dL) (12-16)	13.1	16.7	9.8
Platelets (THO/uL) (150-350)	200	224	95
INR (<2.0)	1.3	1.5	1.4

***Repeat HBA1C @ University of Florida**

Urinalysis

	1st	2nd	3rd	4th
Glucose	Negative	Negative		

Medications During Hospitalization

Steroids**	-----		
Diuretics	Lasix 100 mgs, Mannitol 50 gms		
T3 Protocol	-----		
T4 Protocol*	Yes, 20 mcg/hr		
Insulin**	-----		
Antihypertensive	Esmolol 2.8 mg		
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