HPAP-055 Donor Summary

HPAP	*055*	***UNOS***	
Recovery OPO	GLDP	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	24	**DCD**	YES ☐ NO ☒
Race	Hispanic	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	79 Hours 25 Mins.
ABO (Rh)	O+	**Cross Clamp Time**	1/30/2020 6:50 EST
BMI (Kg/m²) **Weight (kg)** **Height (cm)**	27.9 80.8 170.18	**Cold Ischemia Time***	8 Hours 13 Mins.
Cause of Death	Anoxia	**Preservation Solution**	UW ☒ HTK☐
Mechanism of Injury	Cardiovascular DKA	**Organs Recovered**	Heart ☐ Kidney ☒ Lung ☐ Pancreas ☒ Liver ☐ Intestine ☐
Cardiac Arrest/Downtime	Yes ☒ No ☐ Unknown	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	Hours Mins. Not Available
CPR / Time	Yes ☒ No ☐ Unknown	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	Unknown	**Blood Culture**	No growth
Date /Time of Admission	1/26/2020 23:25 EST	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Bibasilar opacities

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

HPAP-055 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1D	7years	Insulin	Yes
History of cancer	----------	----------	----------	----------
CAD	----------	----------	----------	----------
Hypertension	----------	----------	----------	----------
Hyperlipidemia	----------	----------	----------	----------
Autoimmune disease	----------	----------	----------	----------
Family History	CAD ☐	Diabetes ☒ Maternal grandmother and aunts	Auto immune disease ☐	Others:
Surgical History:	Retinal detachment 2 year ago			
Comments:	Diagnosis of diabetes was made at age 17 (7 years ago) as T2DM and treated with metformin for 2 years and developed DKA and treated with insulin. Had 3 episodes of DKA requiring hospitalization.			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	97/62	
Average Low BP During Hospitalization	71/30	**Duration:** 28 minutes
Average BP in OR (mmHg)	138/74	
Average Low BP in OR (mmHg)	106/48	**Duration:** 1 minute
Average HR in OR (bpm)	132	
ABG-pH range	7.13 –7.47	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----------	----------	----------
PRBCs	----------	----------	----------
Platelets	----------	----------	----------
Norepinephrine (Levophed)	40 mcq/min, started 3 days before organ recovery		
Vasopressin	0.03/units/min started 3 days before organ recovery		
Neo-Synephrine	----------	----------	----------
Epinephrine	----------	----------	----------
Phenylephrine	----------	----------	----------
Dopamine	----------	----------	----------
Insulin	10 units /hour started 3 days before organ recovery		

HPAP-055 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	----------	30,000	----------

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
Positive	Positive

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	55	255	0.013	1.099
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	<0.02	N/A

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	2	Class II	DR	17	4
	B	8	39		DR51	Negative	Negative
	C	07	07		DR52	52	Negative
	Bw4	Negative			DR53	53	Negative
	Bw6	Positive			DQB1	2	8
	[redacted]				DQA1	03	05
					DPB1	01:01	04:02
Comment:							

Confirmatory HLA (UPENN)*

Class 1	**A**	02:01	02:01	**Class II**	**DRB1**	03:01	04:07
	B	08:01	39:08		**DRB3**	01:01	----------
	C	07:01	07:02		**DRB4**	----------	01:03
					DRB5	----------	----------
					DQB1	02:01	03:02
					DQA1	03:01	05:01
					DPB1	01:01	04:02
					DPA1	01:03	02:01

*HLA typing performed using NGS

Infectious Disease Serology

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

HPAP-055 Donor Summary

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	131	158	158
Creatinine (<1.5)	3.39	3.39	0.89
Glucose (mg/dL) (60-150)	1109	1109	180
HbA1C%	10.4	----------	----------
Total bilirubin (0-1.0)	1.3	1.4	*1.0*
SGOT (AST) (0-40)	546	546	*117*
SGPT (ALT) (5-35)	257	252	*101*
Alkaline phosphatase (45-110)	149	149	*87*
Serum Amylase (23-851)	10	10	*10*
Serum Lipase (0-80)	3	3	*3*
WBC (THO/uL) (4.5-11.0)	28.7	28.7	*8.5*
Hgb (g/dL) (12-16)	14.4	14.4	*11*
Platelets (THO/uL) (150-350)	238	238	*65*
INR (<2.0)	1.4	1.5	1.3

Urinalysis

	1st	2nd	3rd	4th
Glucose	Positive (70)	Positive (500)	----------	----------

Medications During Hospitalization

Steroids**	----------		
Diuretics	----------		
T3 Protocol	----------		
T4 Protocol*	Yes – continued in OR		
Insulin**	Yes – throughout hospitalization		
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