HPAP-154 Donor Summary

HPAP	***154***	***UNOS***	
Recovery OPO	OKOP-LifeShare Transplant Donor Svcs of OK	**Allocation Via**	UPENN ☐ nPOD ☒
Age (years)	18	**DCD**	YES ☐ NO ☒
Race	White: Not Specified	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	187 Hours 18 Mins.
ABO (Rh)	B Positive	**Cross Clamp Time**	06/03/2023 07:13 CDT
BMI (Kg/m^2) **Weight (kg)** **Height (cm)**	18.726 kg 60.0000 179.00	**Cold Ischemia Time***	Hours Mins. No Islet isolation Tissue processing only
Cause of Death	ANOXIA	**Preservation Solution**	UW ☒ HTK☐ Storage Solution: KPS
Mechanism of Injury	NONE OF THE ABOVE death from natural causes (DKA - per OPO)	**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:**	00 Hours 12 Mins.
CPR / Time	Yes ☐ No ☒	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	No Downtime	**Blood Culture**	48 Hours- No growth
Date /Time of Admission	05/26/2023 11:55 CDT	**PHS High Risk**	YES ☐ NO ☒
		Acute Lung Injury	Persistent bilateral pulmonary infiltrates (mostly in the bases) with minimal improvement.

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

HPAP-154 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1D	6 years (since age 12)	Insulin	poorly controlled (concern on compliance issue)
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	yes	about a year ago	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD ☐	Diabetes ☐	Auto immune disease ☐	Others:
Surgical History:	None			
Comments:	Urgent care visit for earache a week before hospitalization			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	110/70	
Average Low BP During Hospitalization	93/58	**Duration: 1 min.**
Average BP in OR (mmHg)	100/60	
Average Low BP in OR (mmHg)	0/0	**Duration: 30 min.**
Average HR in OR (bpm)	70	
ABG-pH range	6.74 - 7.59	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	263	1	263
PRBCs	340-368	2	708
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	**20-25 mcg/min for** 7:58 hrs. (started 86:13 hrs. before recovery). **Ongoing 0.5 mcg/kg/min** (started 66:13 hrs. before recovery). **0.05 - 0.5 mcg/kg/mi**n for 6:55 hrs. (started 76:14 hrs. before recovery)	
Vasopressin	-----	**0.04 units/min/12 ml** started 136:24 hrs. before organ recovery for the duration of 50:10 hrs.	
Neo-Synephrine	-----	**10-180 mcg/min** started 86:13 hrs. before recovery for 7:59 hrs. **0.9 - 1 mcg/kg/min** started 69:14 hrs. before recovery for 9:56 hrs. **0.5 – 1.2 mcg/kg/min** started 47:13 hrs. before recovery for 9:56 hrs.	
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

HPAP-154 Donor Summary

Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	0.04 units/min	-----
Neo-Synephrine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
GADA+ (INDEX OF 8.8)	NA

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	262	0	0.038	0.003
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.1	NA

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	**A**	1	3	**Class II**	**DR**	17	13
	B	8	60		**DR51**	N-Negative	N-Negative
	C	10	07		**DR52**	3*01	3*03
	Bw4	Negative			**DR53**	N-Negative	N-Negative
	Bw6	**Positive**			**DQB1**	2	6
	[redacted]				**DQA1**	01	05
					DPB1	03:01	16:01
					DPA1	01	01
Comment:							

HPAP-154 Donor Summary

Confirmatory HLA (UPENN)*

Class 1	**A**	ND	ND	**Class II**	**DRB1**	ND	ND
	B	ND	ND		**DRB3**	ND	ND
	C	ND	ND		**DRB4**	ND	ND
					DRB5	ND	ND
					DQB1	ND	ND
					DQA1	ND	ND
					DPB1	ND	ND
					DPA1	ND	ND

*HLA typing performed using NGS

Infectious Disease Serology

		Hemo/Plasma Dilution Status	
Test	**Result**	**Qualified**	**Non-Qualified**
EBV IgG	**Positive**	✓	-
EBV IgM	Negative	✓	-
EBNA:	Positive	✓	-
CMV	Negative	✓	-
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Non-Reactive	✓	-
Procleix Ultrio	Non-Reactive	✓	-
Ultrio HBV	NA	-	-
Ultrio HCV	NA	-	-
Ultrio HIV	NA	-	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-
Chagas (CHAG)	Non-Reactive	✓	-
West Nile NAT:	Negative	✓	-

HPAP-154 Donor Summary

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	136	166	157
Creatinine (<1.5)	1.22	1.22	0.68
Glucose (mg/dL) (60-150)	377	406	131
HbA1C%	13.1	-----	-----
Total bilirubin (0-1.0)	0.1	1.6	0.3
SGOT (AST) (0-40)	17	56	23
SGPT (ALT) (5-35)	21	21	13
Alkaline phosphatase (45-110)	142	522	337
Serum Amylase (23-851)	71	71	24
Serum Lipase (0-80)	4	4	4
WBC (THO/uL) (4.5-11.0)	27.2	27.2	15.4
Hgb (g/dL) (12-16)	14.4	14.4	8.4
Platelets (THO/uL) (150-350)	471	471	67
INR (<2.0)	1.5	1.8	1.8

Urinalysis

	1st	2nd	3rd	4th	5th
Glucose	**Positive**: >1000	**Positive**: 3+	**Positive**: 2+	**Positive**: 2+	**Positive**: 2+

Medications During Hospitalization

Steroids**	Solumedrol		
Diuretics	-----		
T3 Protocol	-----		
T4 Protocol*	yes		
Insulin**	0.5 – 7 units/min started 139:04 hrs. before organ recovery for the duration of 52:50hrs.		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Arginine vasopressin, Zosyn, Vancomycin 2.5 mg , Fentanyl 25 mcg/min, Precedex 0.2 – 0.4 mcg/kg/min, Propofol 5-30 mg, Calcium Chloride Vancomycin750 – 1000mg, Ativan 0.5 mg, Potassium Chloride, Levothyroxine	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