



HPAP -137 Donor Summary

HPAP	137	UNOS	
Recovery OPO	NCNC - HonorBridge	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>
Age (years)	23	DCD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Race	White	DBD	YES <input type="checkbox"/> NO <input type="checkbox"/>
Sex	M <input checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	297 Hours 11 Mins.
ABO (Rh)	O Positive	Cross Clamp Time	12/10/2022 16:02
BMI (Kg/m ²)	18.848	Cold Ischemia Time*	23 Hours 28 Mins.
Weight (kg)	54.6000		
Height (cm)	170.20		
Cause of Death	CEREBROVASCULAR/STROKE	Preservation Solution	UW <input type="checkbox"/> HTK <input checked="" type="checkbox"/>
Mechanism of Injury	INTRACRANIAL HEMORRHAGE/STROKE	Organs Recovered	Heart <input checked="" type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	3 Hours 21 Mins.
CPR / Time	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Kidney <input type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	None	Blood Culture	No growth 2 days
Date /Time of Admission	11/27/2022 14:49 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Medium sized left pneumothorax. Persistent rounded cystic/ cavity consolidative nodular opacities, consistent with bronchitis, bronchopneumonia.

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



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Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1D	0-5 years	Unknown	Unknown
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/> Great Grandmother and niece	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	None			
Comments:	Medical Hx: parents report pt as not having DM, medical record states "recent diagnosis of DM" with hA1c of 16.1 upon admission and in DKA. Medication Hx: Allergy meds			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	114/69	
Average Low BP During Hospitalization	76/51	Duration: N/A
Average BP in OR (mmHg)	NA	
Average Low BP in OR (mmHg)	NA	Duration: NA
Average HR in OR (bpm)	NA	
ABG-pH range	7.48 – 7.53	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----		-----
PRBCs	-----	4	1450
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	2-30 MCG/MIN started 58:43 hrs. before organ recovery for the duration of 28:03 hrs.	
Vasopressin	-----	Arginine Vasopressin started 50:42 hrs. before organ recovery for the duration of 17:41 hrs.	
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----



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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	NA	NA	NA
PRBCs	NA	NA	NA
Platelets	NA	NA	NA
Norepinephrine (Levophed)	NA	NA	NA
Vasopressin	NA	NA	NA
Neo-Syneprine (phenylephrine)	NA	NA	NA
Epinephrine	NA	NA	NA
Dopamine	NA	NA	NA
Heparin	-----	14,200	-----

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	0.002
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.12	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	11	29	Class II	DR	4	8
	B	39	58		DR51	N-Negative	N-Negative
	C	07	----		DR52	N-Negative	N-Negative
	Bw4	Positive			DR53	53	N-Negative
	Bw6	Positive			DQB1	8	4
			DQA1		03	04	
			DPB1		02:01	04:01	
			DPA1		01	----	
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	A	11:01	29:02	Class II	DRB1	04:01	08:04
	B	39:06	58:01		DRB3	-----	-----
	C	07:18	07:02		DRB4	01:03	-----
					DRB5	-----	-----
					DQB1	03:02	04:02
					DQA1	03:01	04:01
					DPB1	02:01	04:01
					DPA1	01:03	-----

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Negative	✓	-
EBV IgM	Negative	✓	-
CMV	Positive	✓	-
CMV IgM (EIA)	Negative		
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Non-Reactive	✓	-
Procleix Ultrio	ND	-	-
Ultrio HBV	Non-Reactive	✓	-
Ultrio HCV	Non-Reactive	✓	-
Ultrio HIV	Non-Reactive	✓	-
Toxoplasma Ab (IgM , IgG)	Negative	✓	-
SARS-CoV-2	Negative	✓	-



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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	135	166	162
Creatinine (<1.5)	2.01	2.01	0.91
Glucose (mg/dL) (60-150)	870	870	181
HbA1C%	16.1	-----	-----
Total bilirubin (0-1.0)	0.3	0.6	0.5
SGOT (AST) (0-40)	40	198	80
SGPT (ALT) (5-35)	35	82	54
Alkaline phosphatase (45-110)	180	180	105
Serum Amylase (23-851)	N/A	N/A	N/A
Serum Lipase (0-80)	18	N/A	N/A
WBC (THO/uL) (4.5-11.0)	22.45	22.45	13.9
Hgb (g/dL) (12-16)	13.8	13.8	10.8
Platelets (THO/uL) (150-350)	524	524	104
INR (<2.0)	1.1	1.3	1.3

Urinalysis

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

Medications During Hospitalization

Steroids**	-----
Diuretics	Mannitol 47.4gm administered 53:06 hrs. before organ recovery
T3 Protocol	-----
T4 Protocol*	-----
Insulin**	Insulin Regular 0.7 - 4.4 units/hr. started 57:53 hrs. before organ recovery
Antihypertensive	-----
Vasodilators	-----
DDAVP**	-----
Total parenteral nutrition	-----
Other	Arginine vasopressin, Fentanyl 25 mcg/hr , Versed 5 mg/hr, Ketamine 2.5 mg/kg, Nimbex 1.83mcg/kg/min, vasopressin 0.04 units/min, Vancomycin 500mg, Zosyn 3.375 gm , Solucortef 100mg , Calcium Gluconate 2 gm, Cefazolin 1gm, Keppra 1000mg, Heparin

*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