

HPAP-102 Donor Summary



HPAP	102	UNOS	
Recovery OPO	<i>OHLP- Lifeline of Ohio</i>	Allocation Via	UPENN <input type="checkbox"/> nPOD <input type="checkbox"/>
Age (years)	18	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Race	White	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Sex	M <input checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	<input type="text" value="86"/> Hours <input type="text" value="13"/> Mins.
ABO (Rh)	A	Cross Clamp Time	7/21/21 21:58 EDT
BMI (Kg/m²)	20.654	Cold Ischemia Time*	<input type="text" value="17"/> Hours <input type="text" value="07"/> Mins.
Weight (kg)	73.00		
Height (cm)	188.00		
Cause of Death	Anoxia	Preservation Solution	UW <input type="checkbox"/> HTK <input checked="" type="checkbox"/>
Mechanism of Injury	Gunshot Wound	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 checked="" type="checkbox"/> 16 minutes No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text" value="00"/> Hours <input type="text" value="16"/> Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> 16 minutes No <input 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		Blood Culture	No Growth
Date /Time of Admission	7/18/2021 07:45 EDT	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Airspace consolidation and volume loss of the right upper lobe and right perihilar region, mildly decreased compared to the prior study.

*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	6 years	Tresiba Insulin daytime, Novolog insulin at night	Yes
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/> His father	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Hernia surgery 16 years ago.			
Comments:	Smoking Hx: smoked Marijuana at least weekly for the past year			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	111/64	
Average Low BP During Hospitalization	75/39	Duration: 15 min.
Average BP in OR (mmHg)	117/56	
Average Low BP in OR (mmHg)	75/31	Duration: 1 min.
Average HR in OR (bpm)	98	
ABG-pH range	7.23 – 7.53	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	1200	----	1200
PRBCs	1900ml PRBC, 1000 whole blood		2200
Platelets	325	---	325
Norepinephrine (Levophed)	-----	26 mcg/kg/min duration: 24:39hrs. started 3 days before organ recovery. 14 -8 mcg/min duration: 19:07hrs. started 2 days before organ recovery	
Vasopressin	-----	1.8 units/hr duration: 5:00hrs. started 2 days before organ recovery	
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----



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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	724 mcg for the duration of 1:58 hrs.	
Vasopressin	-----	-----	-----
Neo-Synephrine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

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	0.055	-0.006
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.07	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	3	29	Class II	DR	4	--
	B	7	44		DR51	N-Negative	N-Negative
	C	07	16		DR52	N-Negative	N-Negative
	Bw4	Positive			DR53	4*01	--
	Bw6	Positive			DQB1	7	8
			DQA1		03	03	
			DPB1		04:01	--	
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	A	03:01	29:02	Class II	DRB1	04:01	----
	B	07:02	44:03		DRB3	-----	-----
	C	07:02	16:01		DRB4	01:03	-----
					DRB5	-----	-----
					DQB1	03:01	03:02
					DQA1	03:01	03:03
					DPB1	04:01	-----
					DPA1	01:03	-----

*HLA typing performed using NGS

Infectious Disease Serology

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

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	140	162	140
Creatinine (<1.5)	1.01	1.05	0.89
Glucose (mg/dL) (60-150)	416	416	149
HbA1C%	6.7	---	---
Total bilirubin (0-1.0)	1.3	1.5	1.5
SGOT (AST) (0-40)	111	111	61
SGPT (ALT) (5-35)	48	48	35
Alkaline phosphatase (45-110)	70	72	68
Serum Amylase (23-851)	10	12.7	24.3
Serum Lipase (0-80)	7	---	---
WBC (THO/uL) (4.5-11.0)	6.57	6.85	5.68
Hgb (g/dL) (12-16)	10.4	10.9	7.1
Platelets (THO/uL) (150-350)	131	162	81
INR (<2.0)	1.2	1.8	1.4

Urinalysis

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

Medications During Hospitalization

Steroids**	-----
Diuretics	-----
T3 Protocol	-----
T4 Protocol*	Yes
Insulin**	Yes, Started 3 days before organ recovery
Antihypertensive	-----
Vasodilators	-----
DDAVP**	0.4 mcg
Total parenteral nutrition	-----
Other	Zocyn, Pepcid
	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