

HPAP-098 Donor Summary



HPAP	098	UNOS	
Recovery OPO	GLDP- Gift of Life Donor Program	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>
Age (years)	30	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Race		DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Sex	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	218 Hours 05 Mins.
ABO (Rh)	A (A1) positive	Cross Clamp Time	06/20/2021 02:05 EDT
BMI (Kg/m²)	34.9	Cold Ischemia Time*	<input type="text"/> Hours <input type="text"/> Mins. No Islet Isolation
Weight (kg)	120		
Height (cm)	185.42		
Cause of Death	Anoxia	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> Storage/Viaspan/SPS-1
Mechanism of Injury	Cardiovascular	Organs Recovered	Heart <input type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input checked="" type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	00 Hours 47 Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 10 Minutes	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	10 Minutes	Blood Culture	No Growth
Date /Time of Admission	06/11/2021 00:00 EDT	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Bilateral pleural-parenchymal disease probably pneumonic

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

HPAP-098 Donor Summary



Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1D	7 years	unknown medication started 7 years , insulin 1 year ago	Yes
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/> paternal grandmother	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Cataract Surgery bilateral/w/ anterior vitrectomy 2-3 years ago, C Section 9 years ago, ankle repair more than 5 years ago			
Comments:	<p>Medical Hx: T1D, DKA, sepsis due to E.coli, UTI, depression, pyelonephritis(treated with antibiotics), chronic back pain, discitis, L2-L3 osteomyelitis, Bartholin gland abscess</p> <p>Social Hx: opioid addiction, Marijuana smoking for 1 year, heroin injection for 3 years, currently was under treatment with Methadone, smoker 1PPD cigarette x 15 years,</p>			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	111/63	
Average Low BP During Hospitalization	86/ 48	Duration: 10-15 min.
Average BP in OR (mmHg)	100/53	
Average Low BP in OR (mmHg)	82/40	Duration: 1 min.
Average HR in OR (bpm)	91	
ABG-pH range	7.01 – 7.43	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	931, 203, 200, 199 x2, 195	6	1927
PRBCs	350	2	700
Platelets	357 ml, 199 ml	ml	556
Norepinephrine (Levophed)	-----	15 mcg/min started 7 days before organ recovery	
Vasopressin	-----	0.04 unit/min -1 unit started 6 days before organ recovery	
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

HPAP-098 Donor Summary



Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	6 mcg/min	-----
Vasopressin	-----	-----	-----
Neo-Syneprine (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	8	0	0.001	0.000
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

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

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	02	02	Class II	DR	04	04
	B	15(62)	41		DR51	N-Negative	N-Negative
	C	01	17		DR52	N-Negative	N-Negative
	Bw4	Negative			DR53	53	53
	Bw6	Positive			DQB1	02	03(8)
			DQA1		03	03	
			DPB1		03:01	04:01	
Comment:							

HPAP-098 Donor Summary



Confirmatory HLA (UPENN)*

Class 1	A	02:01	02:02	Class II	DRB1	04:01	04:05
	B	15:01	41:01		DRB3	---	---
	C	01:02	17:01		DRB4	01:03	---
					DRB5	---	---
					DQB1	02:02	03:02
					DQA1	03:03	---
					DPB1	03:01	04:01
					DPA1	01:03	---

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	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	-----	-----	-
Ultrio HBV	Non-Reactive	✓	-
Ultrio HCV	Non-Reactive	✓	-
Ultrio HIV	Non-Reactive	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-

HPAP-098 Donor Summary



Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	130	157	138
Creatinine (<1.5)	0.4	4.1	0.9
Glucose (mg/dL) (60-150)	1210	1210	264
HbA1C%	11	-----	-----
Total bilirubin (0-1.0)	0.5	1.4	1.4
SGOT (AST) (0-40)	32	3497	399
SGPT (ALT) (5-35)	27	1655	223
Alkaline phosphatase (45-110)	149	273	244
Serum Amylase (23-851)	9	11	9
Serum Lipase (0-80)	26	26	13
WBC (THO/uL) (4.5-11.0)	21.6	24.3	13.8
Hgb (g/dL) (12-16)	11.9	12.4	6.4
Platelets (THO/uL) (150-350)	358	358	19
INR (<2.0)	1.02	2.67	1.37

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	positive:1000	positive: 500	positive:250	ND

Medications During Hospitalization

Steroids**	-----
Diuretics	Manitol 50 gms
T3 Protocol	-----
T4 Protocol*	40 mcg/hr
Insulin**	3-20 units started 9 days before organ recovery
Antihypertensive	-----
Vasodilators	-----
DDAVP**	-----
Total parenteral nutrition	-----
Other	Levothyroxine 40 mcg/hr, Nimbex push, Methylprednisolone 1000 mg
	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