

HPAP-093 Donor Summary



HPAP	093	UNOS	
Recovery OPO	GIFT of LIFE Donor Program	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>
Age (years)	50	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Race	Caucasian	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Sex	M <input checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	135 Hours 09 Mins.
ABO (Rh)	O +	Cross Clamp Time	04/28/2021 06:26
BMI (Kg/m²) Weight (kg) Height (cm)	34.98 117 182.88	Cold Ischemia Time*	6 Hours 58 Mins.
Cause of Death	Anoxia	Preservation Solution:	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> Storage/Viaspan/SPS-1
Mechanism of Injury	Drug Intoxication	Organs Recovered	Heart <input checked="" 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:	0 Hours 36 Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 15-20 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	Unknown	Blood Culture	No Growth
Date /Time of Admission	04/22/2021 15:17 EST	PHS High Risk	YES <input type="checkbox"/> NO <input type="checkbox"/>
		Acute Lung Injury	Bibasilar opacities greater in left lung suspicious for bibasilar pneumonia and Probable mild left pleural effusion. Ground glass densities at the periphery of the left lung possibility of atypical infection such as COVID

*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	----	----	----	----
History of cancer	----	----	----	----
CAD	----	----	----	----
Hypertension	----	----	----	----
Hyperlipidemia	----	----	----	----
Autoimmune disease	----	----	----	----
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	ACL repair, back surgery, Pectoralis excavatum repair w median sternotomy			
Comments:	Medical Hx: MRSA in the nares, Asthma, Pneumonitis, reactive airway disease Medications Hx: Steroid for 1 month, Albuterol and Symbicort since childhood Social Hx: social alcohol, Opiate & Benzo use, chew tobacco			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	132/72	
Average Low BP During Hospitalization	85/52	Duration: 10-60 min
Average BP in OR (mmHg)	128/70	
Average Low BP in OR (mmHg)	88/52	Duration: 2 min.
Average HR in OR (bpm)	100	
ABG-pH range	7.03 – 7.395	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	0.04 mcg/kg/min started 5 days before organ recovery	
Vasopressin	-----	-----	-----
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)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Syneprine (phenylephrine)	-----	25 mcg/kg/min	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

Not performed for HPAP-T2D program

GAD-65	IA-2

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	0	0	-0.003	-0.004
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	18.4	NA

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	1	68	Class II	DR	1	17
	B	8	35		DR51	N-Negative	N-Negative
	C	04	07		DR52	52	52
	Bw4	Negative			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	2	5
			DQA1		01	05	
			DPB1		02:01	02:01	
Comment:							

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Confirmatory HLA (UPENN)*

Not performed for HPAP-T2D program

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

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Positive	✓	-
EBV IgM	Negative	✓	-
CMV	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	Negative	✓	-
SARS-CoV-2		✓	-

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	144	160	147
Creatinine (<1.5)	0.9	2.5	1.8
Glucose (mg/dL) (60-150)	254	254	216
HbA1C%	4.9	----	----
Total bilirubin (0-1.0)	0.3	1.6	0.7
SGOT (AST) (0-40)	44	298	105
SGPT (ALT) (5-35)	70	403	79
Alkaline phosphatase (45-110)	106	106	96
Serum Amylase (23-851)	24	24	18
Serum Lipase (0-80)	93	180	44
WBC (THO/uL) (4.5-11.0)	20	20	12.1
Hgb (g/dL) (12-16)	13.9	15.5	10.4
Platelets (THO/uL) (150-350)	251	251	80
INR (<2.0)	1.05	1.2	1.17

Urinalysis

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

Medications During Hospitalization

Steroids**	-----
Diuretics	-----
T3 Protocol	-----
T4 Protocol*	-----
Insulin**	10 units for the duration of 5 minutes.
Antihypertensive	-----
Vasodilators	-----
DDAVP**	2 x 1 mcg for the duration of 11:38 hrs.
Total parenteral nutrition	
Other	8.55-9.55 units/hr Heparin Sodium, 3.375 Zosyn, 2 units HumaLOG, 260 mg Phenobarbital, Magnesium Sulfate, Vancomycin, 3 mg Metoprolol, Heparin Sodium, Albuterol, 20 mEq Potassium Chloride, Sodium Bicarbonate, Calcium Chloride

*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