

HPAP-052 Donor Summary



HPAP	T2D-052	UNOS		
Recovery OPO	GLDP	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>	
Age (years)	27	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Race	African American	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
Sex	M <input checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	137 Hours 4 Mins.	
ABO (Rh)	O+	Cross Clamp Time	01/18/2020 17:07 EST.	
BMI (Kg/m²)	38.72	Cold Ischemia Time*	16 Hours 21 Mins.	
Weight (kg)	129.5			
Height (cm)	182.88			
Cause of Death	Anoxia Asthma	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	Cardiovascular	Organs Recovered	Heart <input checked="" type="checkbox"/> Lung <input type="checkbox"/> Liver <input checked="" type="checkbox"/>	Kidney <input checked="" type="checkbox"/> Pancreas <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:	<div> <input type="text"/> Hours <input type="text"/> Mins. </div> Not Available	
CPR / Time	Yes <input checked="" type="checkbox"/> 7 minutes No <input type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/>	Kidney <input type="checkbox"/> Pancreas <input type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	7 minutes	Blood Culture	No Growth	
Date /Time of Admission	01/13/2020 00:00 EST.	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		Acute Lung Injury	Upper and lower lobe consolidation.	

*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	None	-----	-----	-----
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	yes	1 month	unknown	yes
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	No surgical History documented			
Comments:	Patient had history of severe Asthma – Taking Albuterol 90mcg & Prednisone 20mg OD for one year			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	144/86	
Average Low BP During Hospitalization	112/68	Duration: 60 minutes
Average BP in OR (mmHg)	105/70	
Average Low BP in OR (mmHg)	64/49	Duration: 2 minutes
Average HR in OR (bpm)	90	
ABG-pH range	7.228- 7.52	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	2 mcg	1 days before organ recovery
Neo-Syneprine			
Epinephrine	-----	5units	5 days before organ recovery
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)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): Not performed for T2D Donors

GAD-65	IA-2
N/A	N/A

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	0	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	4.05	N/A

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	26	30	Class II	DR	4	11
	B	18	58		DR51	Negative	Negative
	C	07	07		DR52	52	Negative
	Bw4	Positive			DR53	53	Negative
	Bw6	Positive			DQB1	8	6
					DQA1	01	03
					DPB1	01:01	105:01
Comment:							

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Confirmatory HLA (UPENN)*

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

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Negative	✓	-----
EBV IgM	Negative	✓	-----
CMV total Ab.	Positive	✓	-----
HBcAb	Non -Reactive	✓	-----
HBsAg	Non -Reactive	✓	-----
HCV Ab	Non -Reactive	✓	-----
HIV I/II	Non -Reactive	✓	-----
Syphilis	Non -Reactive	✓	-----
Procleix Ultrio	N/A	-----	-----
Ultrio HBV	Non -Reactive	✓	-----
Ultrio HCV	Non -Reactive	✓	-----
Ultrio HIV	Non -Reactive	✓	-----
Toxoplasma Ab	Negative	✓	-----

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	137	152	152
Creatinine (<1.5)	1.7	1.7	1.2
Glucose (mg/dL) (60-150)	352	352	157
HbA1C%	5.2	-----	-----
Total bilirubin (0-1.0)	0.4	0.6	0.5
SGOT (AST) (0-40)	255	255	34
SGPT (ALT) (5-35)	447	447	99
Alkaline phosphatase (45-110)	100	100	72
Serum Amylase (23-851)	49	70	58
Serum Lipase (0-80)	122	215	150
WBC (THO/uL) (4.5-11.0)	31	31	16.1
Hgb (g/dL) (12-16)	14.3	14.3	12.7
Platelets (THO/uL) (150-350)	356	356	221
INR (<2.0)	1.16	1.17	1.13

Urinalysis

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

Medications During Hospitalization

Steroids**	Methylprednisolone 2 doses of 60mg 4 days before organ recovery
Diuretics	Hydrochlorothiazide 10 mg 3 days before organ recovery
T3 Protocol	-----
T4 Protocol*	-----
Insulin**	Humalog
Antihypertensive	20 mg Labetolo, 10mg x 2 Amlodipine, 10 mg Norvasc 3 days before organ recovery
Vasodilators	
DDAVP**	2mcg 1 day before organ recovery
Total parenteral nutrition	-----
Other	

*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