

HPAP059 Donor Summary



HPAP	HPAP 059	UNOS	
Recovery OPO	GLDP	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>
Age (years)	35	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	274 Hours 51 Mins.
ABO (Rh)	O Positive	Cross Clamp Time	03/03/2020 17:59 EST
BMI (Kg/m ²)	37.96	Cold Ischemia Time*	16Hours 11Mins.
Weight (kg)	120		
Height (cm)	177.8		
Cause of Death	Anoxia	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>
Mechanism of Injury	Cardiovascular	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"/> No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	0 Hours 5 Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> 15 min 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	15 min	Blood Culture	NO GROWTH
Date /Time of Admission	02/21/2020 07:08 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Yes - Discoid atelectasis

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



HPAP059 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	None	----	----	----
History of cancer	None	----	----	----
CAD	None	----	----	----
Hypertension	None	----	----	----
Hyperlipidemia	None	----	----	----
Autoimmune disease	None	----	----	----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Had Right forearm surgery on 2016			
Comments:	Maternal Aunts had diabetes-unknown if NIDDM or IDDM DX with Asthma at age 18-19 years old albuterol inhalers used for 10-15 years Marijuana smoked for 15 years(last date 02/21/2020) Mushrooms orally for 6 months (15 years ago)			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	138/77 or 134/74	
Average Low BP During Hospitalization	125/82	Duration: 15-60 min
Average BP in OR (mmHg)	110/60	
Average Low BP in OR (mmHg)	86/58	Duration: 1 min
Average HR in OR (bpm)	88	
ABG-pH range	6.95 – 7.482	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----	----	----
PRBCs	----	----	----
Platelets	----	----	----
Norepinephrine (Levophed)	----	2.5 – 4 mcg/min	for the duration of 24:40 hours 12 days before organ recovery
Vasopressin	----	----	----
Neo-Syneprine	----	----	----
Epinephrine	-----	3units	12 days before organ recovery
Phenylephrine	----	----	----
Dopamine	----	----	----

HPAP059 Donor Summary



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): ELISA- not performed for HPAP – T2D program

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	0.003	0.003
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	8.18	N/A

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	32	Class II	DR	4	11
	B	39	44		DR51	N-Negative	N-Negative
	C	05	07		DR52	52	N-Negative
	Bw4	Positive			DR53	53	N-Negative
	Bw6	Positive			DQB1	7	8
			DQA1		03	05	
			DPB1		04:01	06:01	
Comment:							

HPAP059 Donor Summary



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	Negative	✓	----
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	✓	----

HPAP059 Donor Summary



Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	143	158	151
Creatinine (<1.5)	1.78	3.97	0.85
Glucose (mg/dL) (60-150)	268	268	157
HbA1C%	5.1	5.3	-----
Total bilirubin (0-1.0)	0.4	0.5	0.3
SGOT (AST) (0-40)	37	144	113
SGPT (ALT) (5-35)	58	98	37
Alkaline phosphatase (45-110)	72	83	83
Serum Amylase (23-851)	14	17	15
Serum Lipase (0-80)	33	17	33
WBC (THO/uL) (4.5-11.0)	12.6	23.4	14.8
Hgb (g/dL) (12-16)	13.8	16.1	8.5
Platelets (THO/uL) (150-350)	280	280	191
INR (<2.0)	1.2	1.2	1.2

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	250	----	----	----

Medications During Hospitalization

Steroids**	----
Diuretics	----
T3 Protocol	----
T4 Protocol*	Yes
Insulin**	----
Antihypertensive	----
Vasodilators	----
DDAVP**	1 dose (1 mcg) 3 days before organ recovery
Total parenteral nutrition	----
Other	<div> <div> 2.5-4 mcg/min Norepinephrine 3 gm Ampicillin 3 days before organ recovery Ceftriaxone 1gm 250 mg Azithromycin, 2 gm Vancomycin, 3.375 gm Zocyn, 40 mg Methylprednisolone 3 ml Abutrol </div> <div>Specify</div> </div>

*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