

HPAP-106 Donor Summary



HPAP	106	UNOS	
Recovery OPO	GLDP	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>
Age (years)	55	DCD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Race	Caucasian	DBD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Sex	M <input checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	<input type="text" value="52"/> Hours <input type="text" value="47"/> Mins.
ABO (Rh)	O Positive	Cross Clamp Time	09/29/2021 01:47 EST
BMI (Kg/m²)	28.12	Cold Ischemia Time*	<input type="text" value="9"/> Hours <input type="text" value="54"/> Mins.
Weight (kg)	83.9		
Height (cm)	172.72		
Cause of Death	Head Trauma	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> Storage/Viaspan/SPS-1
Mechanism of Injury	Blunt Injury	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 checked="" type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text" value="00"/> Hours <input type="text" value="17"/> Mins.
CPR / Time	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Kidney <input type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	No Downtime	Blood Culture	No Growth
Date /Time of Admission	09/26/2021 21:00 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	No active disease, no fluid or pneumothorax

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



HPAP-106 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T2DM	3 Years	Metformin	yes
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	yes	5 years	Lisinopril	yes
Hyperlipidemia	yes	5 years	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/> Mother	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	CABG, cardiac surgery, carpal tunnel release, hemorrhoidectomy, mechanical aortic valve replacement, eye surgery			
Comments:	<p>Medical Hx: CHF, Chronic neck pain, low back pain, lumbar degenerative disk disease, MRSA, nasal fracture, fibromyositis, long term anticoagulant use, obesity, osteoarthritis, strabismus, tricuspid regurgitation, closed head injury, complete tear of meniscus of left knee, falls with injury, rib fractures, bee pollen allergy</p> <p>Medication Hx: Metoprolol (5 years), Xanax (3 years), Lorazepam (3 years)</p> <p>Social Hx: smoked cigars for 9-10 months, drank 2 beers daily and 8-9 on Sundays for +35 years</p>			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	128/76	
Average Low BP During Hospitalization	77/41	Duration: 2-15 min
Average BP in OR (mmHg)	51/31	
Average Low BP in OR (mmHg)	NA	Duration: NA
Average HR in OR (bpm)	60	
ABG-pH range	7.3 – 7.42	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	0.7mcg/kg/min started 28:38 hrs. before organ recovery	
Vasopressin	-----	-----	-----
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

HPAP-106 Donor Summary



Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Synephrine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

Not performed for HPAP-T2D program

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	0.001	-0.001
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	5.91	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	1	24	Class II	DR	01:03	17
	B	8	39		DR51	N-Negative	N-Negative
	C	07	07		DR52	52	52
	Bw4	Negative			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	2	5
			DQA1		01	05	
			DPB1		02:01	04:01	
Comment:							

HPAP-106 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	positive	✓	-
EBV IgM	Negative	✓	-
CMV	Negative	✓	-
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Negative	✓	-
Procleix Ultrio	ND	-	-
Ultrio HBV	Non-Reactive	✓	-
Ultrio HCV	Non-Reactive	✓	-
Ultrio HIV	Non-Reactive	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-



HPAP-106 Donor Summary

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	138	167	163
Creatinine (<1.5)	0.86	2.86	2.82
Glucose (mg/dL) (60-150)	137	218	184
HbA1C%	5.8	-----	-----
Total bilirubin (0-1.0)	0.5	0.6	0.6
SGOT (AST) (0-40)	29	29	21
SGPT (ALT) (5-35)	24	24	16
Alkaline phosphatase (45-110)	100	100	69
Serum Amylase (23-851)	45	-----	-----
Serum Lipase (0-80)	21	-----	-----
WBC (THO/uL) (4.5-11.0)	15.4	15.4	14.5
Hgb (g/dL) (12-16)	15.9	17.2	15.3
Platelets (THO/uL) (150-350)	237	237	140
INR (<2.0)	1.18	1.33	1.33

Urinalysis

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

Medications During Hospitalization

Steroids**	-----		
Diuretics	-----		
T3 Protocol	-----		
T4 Protocol*	-----		
Insulin**	1 units started 48:28 hrs. before organ recovery		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	1 mcg started 28:58 hrs. before organ recovery		
Total parenteral nutrition	-----		
Other	Amiodarone 0.5 mg/min ongoing Levothyroxine 40 mcg/hr ongoing, Fentanyl 50 mcg/hr, Keppra	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