

HPAP032 Donor Summary



HPAP	032	UNOS		
Recovery OPO	CORE Pittsburgh PA	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	10	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 type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	127 Hours	49 Mins.
ABO (Rh)	A+	Cross Clamp Time	09/21/2018 07:49 EST	
BMI (Kg/m²) Height (cm) Weight (kg)	16.3 142.24 cm 33 kg	Cold Ischemia Time*	11 Hours	46 Mins.
Cause of Death	Anoxia	Preservation Solution	UW <input type="checkbox"/> HTK <input checked="" type="checkbox"/>	
Mechanism of Injury	Cardiovascular	Organs Recovered	Heart <input checked="" type="checkbox"/> Lung <input checked="" 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"/> 15 minutes	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	0 Hours 3 Mins.	
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 15 minutes	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	15 minutes	Blood Culture	No Growth	
Date /Time of Admission	09/16/2018 00:00 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		Acute Lung Injury	NO ARDS	

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

HPAP032 Donor Summary



Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1DM	3 years	Humalog	Unknown
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	Hashimoto's		Synthroid	Unknown
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:				
Comments:	Seizure disorder in setting of hypoglycemia			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	100/70	
Average Low BP During Hospitalization	90/60	Duration: 5 minutes
Average BP in OR (mmHg)	129/80	
Average Low BP in OR (mmHg)	82/42	Duration: 5 minutes
Average HR in OR (bpm)	116	
ABG-pH range	7.16-7.44	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)			
Vasopressin	Titration for 5 days prior to organ recovery		
Neo-Syneprine			
Epinephrine	Drip / titraton for 4 days prior to organ recovery		
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

HPAP032 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	-----	10,000	-----

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
Negative	Positive

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	0	64	0.386	0.010
Cut-off values	20	5	0.10	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	1	2	Class II	DR	4	17
	B	18	51		DR51	Negative	Negative
	C	05	15		DR52	52	
	Bw4	Positive			DR53	53	
	Bw6	Positive			DQB1	2	8
			DQA1		03	05	
			DPB1		02:01	02:02	
Comment:							

HPAP032 Donor Summary



Confirmatory HLA (UPENN)*

Class 1	A	01:01	02:01	Class II	DRB1	03:01	04:02
	B	18:01	51:01		DRB3	02:02	-----
	C	05:01	15:13		DRB4	01:03	-----
					DRB5	-----	-----
					DQB1	02:01	03:02
					DQA1	03:01	05:01
					DPB1	02:01	02:02
					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 total Ab	Negative	✓	-----
HBcAb	Non-Reactive	✓	-----
HBsAg	Non-Reactive	✓	-----
HCV Ab	Non-Reactive	✓	-----
HIV I/II	Non-Reactive	✓	-----
Syphilis	Non-Reactive	✓	-----
Procleix Ultrio	Non-Reactive	✓	-----
Ultrio HBV	ND	-----	-----
Ultrio HCV	ND	-----	-----
Ultrio HIV	ND	-----	-----
Toxoplasma Ab	Negative	✓	-----

HPAP032 Donor Summary



Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	147	170	147
Creatinine (<1.5)	1.15	1.15	0.43
Glucose (mg/dL) (60-150)	350	370	136
HbA1C%	9.0		
Total bilirubin (0-1.0)	0.2	0.7	0.4
SGOT (AST) (0-40)	723	739	667
SGPT (ALT) (5-35)	325	325	59
Alkaline phosphatase (45-110)	328	328	162
Serum Amylase (23-85)	194	194	79
Serum Lipase (<200)	106	106	62
WBC (THO/uL) (4.5-11.0)	11.4	11.4	6.1
Hgb (g/dL) (12-16)	14.8	14.8	6.9
Platelets (THO/uL) (150-350)	311	311	95
INR (<2.0)	1.3	1.3	1.3

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive (250)	Positive (250)	Positive (500)	-----

Medications During Hospitalization

Steroids**	Drip continuous @ 0.08 mcg/kg/hr. x 4 days		
Diuretics	-----		
T3 Protocol	None		
T4 Protocol*	Yes – 48 hours prior to organ recovery		
Insulin**	Drip throughout the course of the hospitalization (6 days)		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	None		
Other	-----	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