

HPAP039 Donor Summary



HPAP	039	UNOS		
Recovery OPO	WALC, WA	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	5	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	135 Hours 25 Mins.	
ABO (Rh)	O	Cross Clamp Time	05/11/2019 10:40 PST 05/11/2019 13:40 EST	
BMI (Kg/m²)	16.3	Cold Ischemia Time*	22 Hours 43 Mins.	
Weight (kg)	20.5			
Height (cm)	112			
Cause of Death	Anoxia	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	Drowning	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 type="checkbox"/>	
Cardiac Arrest/Downtime	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 65 Minutes	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	0 Hours 0 Mins.	
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 59 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	65 Minutes	Blood Culture	No Growth	
Date /Time of Admission	05/05/2019 21:15 PST 05/06/2019 24:15 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.

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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"/> Father	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	None			
Comments:				

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	100/50	
Average Low BP During Hospitalization	66/42	Duration: 15 Minutes
Average BP in OR (mmHg)	110/70	
Average Low BP in OR (mmHg)	90/50	Duration: 5 minutes
Average HR in OR (bpm)	140	
ABG-pH range	7.28 –7.45	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	200	-----	200
PRBCs	240	-----	240
Platelets	-----	-----	-----
Norepinephrine (Levophed)	0.5 mcg/kg/min for 19 hrs. 43 minutes		
Vasopressin	0.01 units /hr. single dose 1 day prior to OR		
Neo-Syneprine			
Epinephrine	0.14mcg./kg/min for 67 hrs. 21 minutes		
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		20 u/min for one hour	
Neo-Syneprine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin		7,700	

Initial Autoantibody Screening (nPOD): ELISA

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	0.002	0.001
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	1.88	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	1	31	Class II	DR	4	17
	B	8	63		DR51	Negative	
	C	07	-----		DR52	52	
	Bw4	Positive			DR53	Negative	
	Bw6	Positive			DQB1	2	8
			DQA1		03	05	
			DPB1		04:01	05:01	
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	A	01:01	31:01	Class II	DRB1	03:01	04:04
	B	08:01	15:17		DRB3	01:01	-----
	C	07:01	-----		DRB4	-----	01:03
					DRB5	-----	-----
					DQB1	02:01	03:02
					DQA1	03:01	05:01
					DPB1	04:01	05:01
					DPA1	01:03	02:02

*HLA typing performed using NGS

Infectious Disease Serology

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

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (140-160)	144	163	144
Creatinine (<1.5)	0.91	0.92	0.28
Glucose (mg/dL) (60-150)	499	499	118
HbA1C%	6.8	-----	-----
Total bilirubin (0-1.0)	0.3	1.4	0.6
SGOT (AST) (0-40)	825	825	36
SGPT (ALT) (5-35)	483	483	108
Alkaline phosphatase (45-110)	260	287	208
Serum Amylase (23-851)	124	ND	ND
Serum Lipase (0-80)	20	ND	ND
WBC (THO/uL) (4.5-11.0)	3.08	30.82	9.29
Hgb (g/dL) (12-16)	13.2	13.2	10.6
Platelets (THO/uL) (150-350)	240	240	64
INR (<2.0)	3	3	1.1

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive (50)	Negative	Positive >500	Positive >500

Medications During Hospitalization

Steroids**	50mg QID for 3 days		
Diuretics	Lasix 10mg single dose		
T3 Protocol	-----		
T4 Protocol*	-----		
Insulin**	0.05 units/hr gtt for 4 days through organ recovery		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
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