

HPAP019 Donor Summary



HPAP	019	UNOS		
Recovery OPO	Sharing Hope - SC	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	22	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	54 Hours 10 Mins.	
ABO (Rh)	O+	Cross Clamp Time	12/04/2017 06:36 EST	
BMI (Kg/m²)	29.7	Cold Ischemia Time*	12 Hours 08 Mins.	
Cause of Death	Head trauma	Preservation Solution	UW <input type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	Blunt Injury	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 type="checkbox"/> No <input checked="" type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text"/> Hours <input type="text"/> Mins. Not available	
CPR / Time	Yes <input type="checkbox"/> No <input checked="" 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	None	Blood Culture	No Growth	
Date /Time of Admission	12/02/2017 00:26 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 type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	None			
Comments:				

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	128/72	
Average Low BP During Hospitalization	95/52	Duration: 30 mins.
Average BP in OR (mmHg)	125/61	
Average Low BP in OR (mmHg)	100/60	Duration: 2 mins.
Average HR in OR (bpm)	100	
ABG-pH range	7.31 - 7.5	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	2500	-----	2500
PRBCs	2698	-----	2698
Platelets	500	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	Yes, as a component of T4 Protocol		
Neo-Syneprine	Titration @5-250 mcg/min/hr. for \approx 12 hours		
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----



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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	20mcg	Single dose	
Vasopressin	0.04 units/hr. – component of T4 protocol		
Neo-Syneprine (phenylephrine)	-----	-----	-----
Epinephrine	10 mcg	Single dose	
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----
Epo Prostenol	50 mcg/Kg/min		

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
Positive	Negative

Confirmatory results: Radioimmuno Assay (RIA)*

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	353	0	0.001	-0.002
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery

	C-peptide (ng/ml)	Proinsulin
Results	8.82	ND

*Sample obtained at time of organ recovery

HLA (OPO)*

Class 1	A	3	11	Class II	DR	1	4
	B	7	27		DR51	Negative	
	C	01	07		DR52	Negative	
	Bw4	Positive			DR53	53	Positive
	Bw6	Positive			DQB1	8	5
			DQA1		01	03	
			DPB1		02:01	04:01	
Comment:							

*Methodology:RT-PCR

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Confirmatory HLA (UPENN)*

Class 1	A	03:01	11:01	Class II	DRB1	01:01	04:04
	B	07:02	27:05		DRB3	-----	-----
	C	07:02	01:02		DRB4	01:03	-----
	BW	-----	-----		DRB5	-----	-----
					DQB1	03:02	05:01
					DQA1	01:01	03:01
					DPB1	02:01	04:01
					DPA1	01:03	-----

*HLA typing performed using NGS

Infectious Disease Serology

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

Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (140-160)	139	146	144
Creatinine (<1.5)	1.21	1.42	1.42
Glucose (mg/dL) (60-150)	193	204	124
HbA1C%	5.2	-----	-----
Total bilirubin (0-1.0)	1.9	2.0	2.0
SGOT (AST) (0-40)	243	243	127
SGPT (ALT) (5-35)	138	138	83
Alkaline phosphatase (45-110)	60	60	60
Serum Amylase (23-851)	109	188	188
Serum Lipase (0-80)	7	28	28
WBC (THO/uL) (4.5-11.0)	11.6	12.6	7.8
Hgb (g/dL) (12-16)	13.4	13.4	9.8
Platelets (THO/uL) (150-350)	383	383	122
INR (<2.0)	1.6	1.6	1.5

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Urinalysis

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

Medications During Hospitalization

Steroids**	None
Diuretics	20-40 mg single dose x3days (-2 and -1) before OR
T3 Protocol	-----
T4 Protocol*	Started d(-2) before OR and continued in OR @ 40mcg/hr
Insulin**	None
Antihypertensive	-----
Vasodilators	-----
DDAVP**	None
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