

## HPAP 009 Donor Summary



HPAP	009			
Recovery OPO	Lifebanc OH	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	3	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Race	African American	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
Sex	M <input checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	117 Hours 34 Mins.	
ABO (Rh)	A+	Cross Clamp Time	05/10/2017 19:34 EST	
BMI (Kg/m <sup>2</sup> )	14.9	Cold Ischemia Time*	17 Hours 56 Mins.	
Cause of Death	Head Trauma	Preservation Solution	UW <input type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	ICH/child abuse Stroke	Organs Recovered	Heart <input type="checkbox"/> Kidney <input type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <input 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:	Hours Mins. Not Available	
CPR / Time	Yes <input checked="" type="checkbox"/> 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	48 mins	Blood Culture	Not Available	
Date /Time of Admission	05/05/2017 @ 22:00 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.

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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"/> NK	Diabetes <input type="checkbox"/> NK	Auto immune disease <input type="checkbox"/> NK	Others:
Surgical History:				
Comments:	Patient with high lead levels in 2016-treated and apparently the lead levels were back to normal range in 2017.			

### Hemodynamic Profile

Average BP During Hospitalization (mmHg)	107/182	
Average Low BP During Hospitalization	58/42	Duration: 5 mins.
Average BP in OR (mmHg)	Not Available	
Average Low BP in OR (mmHg)	Not Available	Duration: -----
Average HR in OR (bpm)	Not Available	
ABG-pH range	7.23 – 7.44, in OR (7.42 – 7.44 )	

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### INTERVENTION

#### Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	330
PRBCs	-----	-----	350
Platelets	-----	-----	-----
Norepinephrine (Levophed)	0.1 mcg/Kg/min for 89 hrs.46 mins.		
Vasopressin	2 units / hr. single administration.		
Neo-Synephrine	-----	-----	-----
Epinephrine	0.1meg/Kg/min for 86 hrs. 54 mins.		
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

#### Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	Not Available		
PRBCs			
Platelets			
Norepinephrine (Levophed)			
Vasopressin			
Neo-Synephrine (phenylephrine)			
Epinephrine			
Dopamine			
Heparin			

#### Initial Autoantibody Screening (nPOD):

GAD-65	IA-2
Positive	Negative

#### Confirmatory results (University of Florida) \*

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)	C-peptide (ng/ml)	Proinsulin
Results	95	0	0.006	-0.005	0.69	ND
Cut-off values	20	5	0.010	0.020	-----	-----

\*Sample obtained at time of organ recovery

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### HLA (OPO)\*

Class 1	A	01	24	Class II	DRB1	01	16
	B	08	51		DQB1	05	05
	C	07	15		DQA1	01	01
	Bw4	-----			DPB1		
	Bw6	-----			DPA1	01	02
Comment:							

\*Methodology:RT-PCR

### Confirmatory HLA (UPENN)\*

Class 1	A	01:01	24:03	Class II	DRB1	01:01	16:02
	B	08:01	51:01		DRB3	-----	-----
	C	07:01	15:02		DRB4	-----	-----
					DRB5**	-----	02:02
					DQB1	05:01	05:02
					DQA1	01:01	01:02
					DPB1***	04:01	13:01G
					DPA1	01:03	02:01

\*HLA typing performed using NGS \*\* DRB5 02:02 Allele appears to be a variant. There is one mismatch in exon 2 (Position 11015) and one mismatch in exon 4 (Position 11913)

\*\*\* DPB1 13:01G =DPB1 13:01/107:01

### Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Negative	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	-----	-----	-----
Ultrio HBV	Negative	Yes	-----
Ultrio HCV	Negative	Yes	-----
Ultrio HIV	Negative	Yes	-----
Toxoplasma Ab	Negative	Yes	-----

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### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (140 – 160)	140	145	142
Creatinine (<1.5)	0.52	0.52	0.31
Glucose (mg/dL) (65 – 150)	381	381	95
HbA1C%	ND	-----	-----
Total bilirubin (mg/dl)	2.2	2.2	1.7
SGOT (AST) (u/L) (0-40)	301	301	10
SGPT (ALT) (u/L) (5-35)	125	125	21
Alkaline phosphatase (u/L)	146	146	89
Serum Amylase (u/L)	51	ND	ND
Serum Lipase (u/L)	21	ND	ND
WBC (THO/uL)	4.2	4.2	1.6
Hgb (g/dL)	9.7	11.1	9.9
Platelets (THO/uL)	87	140	79
INR	3.6	3.6	0.9

### Urinalysis

	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
Glucose	Positive (+1)	Positive (Trace)		

### Medications During Hospitalization

Steroids**	Hydrocortisone Administered for 3 days prior to T4 Protocol		
Diuretics	-----		
T3 Protocol	-----		
T4 Protocol*	Administered over 11 hours		
Insulin**	-----		
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