

## HPAP041 Donor Summary



<b>HPAP</b>	041	<b>UNOS</b>		
<b>Recovery OPO</b>	GLDP	<b>Allocation Via</b>	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>	
<b>Age (years)</b>	24	<b>DCD</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
<b>Race</b>	Caucasian	<b>DBD</b>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
<b>Sex</b>	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	<b>Admission to Cross Clamp</b>	61 Hours 52 Mins.	
<b>ABO (Rh)</b>	O+	<b>Cross Clamp Time</b>	6/7/2019 17:46 EST	
<b>BMI (Kg/m<sup>2</sup>)</b>	20.93	<b>Cold Ischemia Time*</b>	Hours Mins. No Islet Isolation	
<b>Weight (kg)</b>	55.3			
<b>Height (cm)</b>	162.66			
<b>Cause of Death</b>	Anoxia	<b>Preservation Solution</b>	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
<b>Mechanism of Injury</b>	Cardiovascular	<b>Organs Recovered</b>	Heart <input type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>	
<b>Cardiac Arrest/Downtime</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:</b>	0 Hours 25 Mins.	
<b>CPR / Time</b>	Yes <input checked="" type="checkbox"/> 35-40 minutes No <input type="checkbox"/>	<b>Organs Discarded</b>	Heart <input type="checkbox"/> Kidney <input type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input type="checkbox"/> Intestine <input type="checkbox"/>	
<b>Total Est. Downtime</b>	35-40 minutes	<b>Blood Culture</b>	No Growth	
<b>Date /Time of Admission</b>	6/5/2019 03:54 EST	<b>PHS High Risk</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		<b>Acute Lung Injury</b>	Aspiration Pneumonia	

\*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	T1DM	12 years	Insulin	Poor
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	Celiac disease	Unknown	-----	-----
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)	124/70	
Average Low BP During Hospitalization	77/159	Duration: 60 minutes
Average BP in OR (mmHg)	105/60	
Average Low BP in OR (mmHg)	92/48	Duration: 2 minutes
Average HR in OR (bpm)	120	
ABG-pH range	6.93 –7.45	

### INTERVENTION

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

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	Albumin 500 ml 24 hours before OR		
PRBCs	300 ml – 24 hours before OR		
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	Component of T4 Protocol		
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	1 meg/KG/MIN FOR 24 HOURS		
Dopamine	-----	-----	-----

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### 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	-----	20,000	-----
T4	-----	20 mcg/hour	-----

### 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	0.011
Cut-off values	20	5	0.010	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	17	4
	B	62	50		DR51	Negative	Negative
	C	10	06		DR52	52	Negative
	Bw4	Negative			DR53	53	Negative
	Bw6	Positive			DQB1	2	8
			DQA1		03	05	
			DPB1		04:01	15:01	
Comment:							

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### Confirmatory HLA (UPENN)\*

Class 1	A	01:01	02:01	Class II	DRB1	03:01	04:01
	B	15:01	50:01		DRB3	01:01	-----
	C	03:04	06:02		DRB4	-----	01:03
					DRB5	-----	-----
					DQB1	02:01	03:02
					DQA1	03:01	05:01
					DPB1	04:01	15:01
					DPA1	01:03	01:04

\*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	Positive	✓	-----
HBcAb	Non-Reactive	✓	-----
HBsAg	Non-Reactive	✓	-----
HCV Ab	Non-Reactive	✓	-----
HIV I/II	Non-Reactive	✓	-----
Syphilis	Non-Reactive	✓	-----
Procleix Ultrio	-----	-----	-----
Ultrio HBV	Non-Reactive	✓	-----
Ultrio HCV	Non-Reactive	✓	-----
Ultrio HIV	Non-Reactive	✓	-----
Toxoplasma Ab	Negative	✓	-----

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### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	139	162	152
Creatinine (<1.5)	1.19	1.19	0.82
Glucose (mg/dL) (60-150)	714	714	134
HbA1C%	7.6	-----	-----
Total bilirubin (0-1.0)	0.2	0.7	0.7
SGOT (AST) (0-40)	291	297	97
SGPT (ALT) (5-35)	160	160	58
Alkaline phosphatase (45-110)	102	102	79
Serum Amylase (23-851)	200	200	47
Serum Lipase (0-80)	4	11	11
WBC (THO/uL) (4.5-11.0)	16.4	24.1	19.5
Hgb (g/dL) (12-16)	10.7	13.2	9.1
Platelets (THO/uL) (150-350)	355	355	127
INR (<2.0)	1.1	1.5	1.3

### Urinalysis

	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
Glucose	>500 mg/dl	500	500	-----

### Medications During Hospitalization

Steroids**	1000 mg on day of OR organ recovery		
Diuretics	Lasix 2 and 1 day before OR organ Recovery		
T3 Protocol	-----		
T4 Protocol*	20 mcg/hour started 3 days before OR		
Insulin**	Throughout the 3 days of hospitalization		
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