

## HPAP028 Donor Summary



<b>HPAP</b>	028	<b>UNOS</b>		
<b>Recovery OPO</b>	CADN Oakland, CA	<b>Allocation Via</b>	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
<b>Age (years)</b>	4	<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 checked="" type="checkbox"/> F <input type="checkbox"/>	<b>Admission to Cross Clamp</b>	99 Hours 58 Mins.	
<b>ABO (Rh)</b>	A1(+)	<b>Cross Clamp Time</b>	6/25/2018 @ 19:38 PST 6/25/2018 @ 22:38 EST	
<b>BMI (Kg/m<sup>2</sup>)</b>	17.3	<b>Cold Ischemia Time*</b>	19 Hours 45 Mins.	
<b>Cause of Death</b>	Cerebral Edema (DKA)	<b>Preservation Solution</b>	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
<b>Mechanism of Injury</b>	Cerebral Edema (DKA)	<b>Organs Recovered</b>	Heart <input checked="" 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 type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:</b>	0 Hours 07 Mins.	
<b>CPR / Time</b>	Yes <input type="checkbox"/> No <input checked="" 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>	None	<b>Blood Culture</b>	No Growth	
<b>Date /Time of Admission</b>	06/21/2018 @ 16:40 PST 06/21/2018 @ 19:40 EST	<b>PHS High Risk</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		<b>Acute Lung Injury</b>	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	T1DM	2 yrs 9 mths.	Lantis & Apidra	Poor
History of cancer	None	-----	-----	-----
CAD	None	-----	-----	-----
Hypertension	None	-----	-----	-----
Hyperlipidemia	None	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input checked="" type="checkbox"/> Paternal grandfather	Diabetes <input checked="" type="checkbox"/> Paternal grandmother	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:				
Comments:	On 9/18/18 Pediatric office visit lab values: ICA (+), GAD (+), IAA (+), c-peptide 0.3			

### Hemodynamic Profile

Average BP During Hospitalization (mmHg)	112/73	
Average Low BP During Hospitalization	66/52	Duration: 5 minutes
Average BP in OR (mmHg)	120/70	
Average Low BP in OR (mmHg)	100/50	Duration: 1 minute
Average HR in OR (bpm)	104	
ABG-pH range	7.09 ---7.50	

### INTERVENTION

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

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None	-----	-----
PRBCs	None	-----	-----
Platelets	None	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	Started 2 days prior to OR @0.5 units/min for $\approx$ 24 hrs.		
Neo-Syneprine	-----	-----	-----
Epinephrine	Started 3 days prior to OR @0.08 mcg/kgm/min for $\approx$ 24 hrs.		
Phenylephrine	-----	-----	-----
Dopamine	Started 3 days prior to OR @ 4mcg/kgm/min for $\approx$ 48hrs.		

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### Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	None	-----	-----
PRBCs	None	-----	-----
Platelets	None	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	0.6 mcg/kg/min for $\approx$ 4 hrs. in OR		
Neo-Syneprine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	7,000	-----

### Initial Autoantibody Screening (nPOD): ELISA

<b>GAD-65</b>	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	Not available due to inability to draw blood/serum from this small child			
Cut-off values				

\* On 9/18/18 Pediatric office visit lab values: ICA (+), GAD (+), IAA (+), c-peptide 0.3.

	C-peptide (ng/ml)	Proinsulin
Results	Not Available	

\*Sample obtained at time of organ recovery.

### HLA (OPO)\*

Class 1	A	2	30	Class II	DR	4	17
	B	18	60		DR51	Negative	
	C	10	05		DR52	52	-----
					DR53	53	-----
					DQB1	2	8
			DQA1		03	05	
			DPB1		02:02	03:01	
Comment:							

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### Confirmatory HLA (UPENN)\*

Class 1	A	02:01	30:02	Class II	DRB1	03:01	04:04
	B	18:01	40:01		DRB3	02:02	-----
	C	03:04	05:01		DRB4	-----	01:03
					DRB5	-----	-----
					DQB1	02:01	03:02
					DQA1	03:01	05:01
					DPB1	02:02	03:01
					DPA1	01:03	-----

\*HLA typing performed using NGS

### Infectious Disease Serology

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

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### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-160)	145	156	152
Creatinine (<1.5)	0.36	0.36	0.25
Glucose (mg/dL) (60-150)	207	274	144
HbA1C%	9.8 -- 10/25/2017 Pediatric office visit		
Total bilirubin (0-1.0)	0.2	0.8	0.4
SGOT (AST) (0-40)	23	44	40
SGPT (ALT) (5-35)	19	23	21
Alkaline phosphatase (45-110)	222	222	207
Serum Amylase (23-851)	82	-----	-----
Serum Lipase (0-80)	15	-----	-----
WBC (THO/uL) (4.5-11.0)	10	10	7.9
Hgb (g/dL) (12-16)	13.4	13.4	8.3
Platelets (THO/uL) (150-350)	373	373	92
INR (<2.0)	1.2	1.2	1.1

### Urinalysis

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

### Medications During Hospitalization

Steroids**	Solumedrol 0.5mg/kgs Q12 hrs.		
Diuretics	None		
T3 Protocol	None		
T4 Protocol*	Yes – started 3 days prior to organ recovery		
Insulin**	Started @ 0.08/units/hr. and titrated for 4 days to organ recovery		
Antihypertensive	None		
Vasodilators	None		
DDAVP**	None		
Total parenteral nutrition	None		
Other	None	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