

# HPAP030 Donor Summary



<b>HPAP</b>	030	<b>UNOS</b>		
<b>Recovery OPO</b>	Intermountain Donor Services, Salt Lake City, UT	<b>Allocation Via</b>	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
<b>Age (years)</b>	18	<b>DCD</b>	YES <input type="checkbox"/> NO <input 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>	116 Hours 56 Mins.	
<b>ABO (Rh)</b>	A2+	<b>Cross Clamp Time</b>	07/26/2018 17:05 MDT 07/26/2018 19:05 EST	
<b>BMI (Kg/m<sup>2</sup>)</b>	21.3	<b>Cold Ischemia Time*</b>	Hours Mins. **No Islet Isolation	
<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 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"/>
<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>	1 Hours 30 Mins.	
<b>CPR / Time</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 15 minutes	<b>Organs Discarded</b>	Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/>	Kidney <input type="checkbox"/> Pancreas <input type="checkbox"/> Intestine <input type="checkbox"/>
<b>Total Est. Downtime</b>	Unknown	<b>Blood Culture</b>	No Growth	
<b>Date /Time of Admission</b>	07/21/2018 20:09 MDT 07/21/2018 22:09 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.



## HPAP030 Donor Summary

### Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1D	≈ 5 years	Humalog, Lantus	Poor
History of cancer		None	-----	-----
CAD		None	-----	-----
Hypertension		None	-----	-----
Hyperlipidemia		None	-----	-----
Autoimmune disease	Autoimmune polyglandular failure (T1D, Addison's disease and hypothyroidism)			
	Addison's Disease		Prednisone/Fludocortisone	Poor
	Hypothyroidism		Levothyroxine	Poor
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:				
Comments:	Autoimmune polyglandular failure, autism, asthma, celiac disease, adrenal crisis, seizure disorder. Numerous hospital admissions with DKA due to non-compliance			

### Hemodynamic Profile

Average BP During Hospitalization (mmHg)	116/68	
Average Low BP During Hospitalization	54/35	Duration: 2 minutes
Average BP in OR (mmHg)	115/75	
Average Low BP in OR (mmHg)	95/55	Duration: 1 min
Average HR in OR (bpm)	95	
ABG-pH range	6.87 -----7.49	

### INTERVENTION

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

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	0.04/mcg/kg/min X 22 hours		
Vasopressin	1.8 units / hr. x 21 hours		
Neo-Synephrine	-----	-----	-----
Epinephrine	0.02 mcg/ Kg/ min x 1hour 48 minutes		
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----
Levothyroxine	50 mcg x 24 hours.		



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### Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	Continues at 0.5 units / hour		
Neo-Syneprine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

### Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
Negative	Negative

### Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	1	3	0.004	0.009
Cut-off values	20	5	0.010	0.020

\*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.09	ND

\*Sample obtained at time of organ recovery.

### HLA (OPO)\*

Class 1	A	2	25	Class II	DR	17	4
	B	7	35		DR51	Negative	
	C	04	07		DR52	52	-----
	Bw4	Negative			DR53	53	-----
	Bw6	Positive			DQB1	2	8
			DQA1		03:01	05:01	
			DPB1		04:01	06:01	
Comment:							

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### Confirmatory HLA (UPENN)\*

Class 1	A	02:01	25:01	Class II	DRB1	03:01	04:04
	B	07:02	35:01		DRB3	01:01	-----
	C	04:01	07:02		DRB4	01:03	-----
					DRB5	-----	-----
					DQB1	02:01	03:02
					DQA1	03:01	05:01
					DPB1	04:01	06:01
					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	Negative	Yes	-----
CMV IgG	Negative	Yes	-----
CMV IgM	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	Non-Reactive	Yes	-----
Ultrio HBV	-----	-----	-----
Ultrio HCV	-----	-----	-----
Ultrio HIV	-----	-----	-----
Toxoplasma Ab	Negative	Yes	-----

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### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	126	166	161
Creatinine (<1.5)	1.72	1.72	0.95
Glucose (mg/dL) (60-150)	124	342	140
HbA1C%	13.1	-----	12.4
Total bilirubin (0-1.0)	1.0	1.4	0.9
SGOT (AST) (0-40)	1604	2788	131
SGPT (ALT) (5-35)	840	1020	338
Alkaline phosphatase (45-110)	107	124	114
Serum Amylase (23-851)	34	34	19
Serum Lipase (0-80)	4	18	18
WBC (THO/uL) (4.5-11.0)	9.4	16	7.0
Hgb (g/dL) (12-16)	13.9	15.5	8.5
Platelets (THO/uL) (150-350)	199	199	52
INR (<2.0)	2.7	2.7	1.1

### Urinalysis

	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
Glucose	Negative	Positive (100)	Positive (500 +)	Positive (500+)

### Medications During Hospitalization

Steroids**	Hydrocortisone Q6H x 48 hrs.		
Diuretics	None		
T3 Protocol	None		
T4 Protocol*	No		
Insulin**	Yes – Titration x 3 days		
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