

# HPAP-168 Donor Summary



<b>HPAP</b>	<b>168</b>	<b>UNOS</b>	
<b>Recovery OPO</b>	MWOB - Midwest Transplant Network	<b>Allocation Via</b>	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>
<b>Age (years)</b>	14	<b>DCD</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
<b>Race</b>	White: Not Specified/Unknown	<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>	181 Hours 59 Mins.
<b>ABO (Rh)</b>	A	<b>Cross Clamp Time</b>	12/13/2023 09:26 CST
<b>BMI (Kg/m<sup>2</sup>)</b>	17.03	<b>Cold Ischemia Time*</b>	23 Hours 57 Mins.
<b>Weight (kg)</b>	39.5000		
<b>Height (cm)</b>	152.40		
<b>Cause of Death</b>	Anoxia	<b>Preservation Solution</b>	UW <input type="checkbox"/> HTK <input checked="" type="checkbox"/> ServatorH
<b>Mechanism of Injury</b>	DKA	<b>Organs Recovered</b>	Heart <input checked="" type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input checked="" 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"/> 15 min.	<b>Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:</b>	00 Hours 36 Mins.
<b>CPR / Time</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 15 min.	<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>	15 minutes	<b>Blood Culture</b>	Negative (MRSA+ sputum)
<b>Date /Time of Admission</b>	12/05/2023 19:27 CST	<b>PHS High Risk</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		<b>Acute Lung Injury</b>	Mixed opacities in the bilateral lungs, may represent atelectasis and/or edema

\*Cold Ischemia time is calculated from time of cross clamp to start of enzyme perfusion for islet isolation.



## HPAP-168 Donor Summary

### Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1D	5 years	Short acting insulin (morning) Long acting insulin (evening)	<b>Pt was not compliant taking insulin.</b> Insulin and diet controlled with parents monitoring.
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input checked="" type="checkbox"/> Father	Diabetes <input checked="" type="checkbox"/> Father, Maternal Grandfather	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:				
Comments:	<p>Medical Hx: Patient is a poorly controlled Type 1 diabetic with hypothyroidism. cellulitis from abscess 2023.</p> <p>Nearsightedness, wears glasses for corrective vision reasons</p> <p>Medication HX: Thyroid medication for hypothyroidism, Short and long-acting insulin for diabetes. Midol- menstrual cramps, Colace - constipation</p> <p>SOCIAL: vape x1year (quit summer of 2023; unknown amount)</p>			

### Hemodynamic Profile

Average BP During Hospitalization (mmHg)	121/68	
Average Low BP During Hospitalization	84/49	Duration: 15 - 30 min.
Average BP in OR (mmHg)	90/40	
Average Low BP in OR (mmHg)	80/40	Duration: 5 min.
Average HR in OR (bpm)	90	
ABG-pH range	6.59 – 7.53	

### INTERVENTION

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

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	285(x1), 400(x1)	2	685
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	0.01 MCG/KG/MIN started 108:28 hrs. before organ recovery for the duration of 84:02:00	
Vasopressin	-----	0.5-1 milliunits/kg/min started 173:26 hrs. before organ recovery.	
Neo-Synephrine	-----	-----	-----
Epinephrine	-----	0.01-0.35 MCG/KG/MIN started 155:54 hrs. before organ recovery for duration of 59:28 hrs.	
Phenylephrine	-----	-----	-----
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	-----	30,000	-----

### Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
NA	NA

### Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	938	1	1.261	-0.003
Cut-off values	20	5	0.01	0.02

\*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.21	NA

\*Sample obtained at time of organ recovery.

### HLA (OPO)\*

Class 1	A	1	32	Class II	DR	1	17
	B	8	39		DR51	N-Negative	N-Negative
	C	02	07		DR52	52	N-Negative
	Bw4	Negative			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	2	5
			DQA1		01	05	
			DPB1		01:01	04:01	
		DPA1	01	02			
Comment:							

## HPAP-168 Donor Summary



### Confirmatory HLA (UPENN)\*

Class 1	A	01:01	32:01	Class II	DRB1	01:01	03:01
	B	08:01	39:01		DRB3	01:01	-----
	C	02:02	07:01		DRB4	-----	-----
					DRB5	-----	-----
					DQB1	02:01	05:01
					DQA1	01:01	05:01
					DPB1	01:01	04:01
					DPA1	01:03	02:01

\*HLA typing performed using NGS

### Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Negative	✓	-
EBV IgM	Not Done	✓	-
CMV	<b>Positive</b>	✓	-
HBcAb	None Reactive	✓	-
HBsAg	Negative	✓	-
HCV Ab	None Reactive	✓	-
HIV I/II	Negative	✓	-
Syphilis	None Reactive	✓	-
Procleix Ultrio (Ultrio Elite)	None Reactive	✓	-
Ultrio HBV (HBV NAT)	Negative	✓	-
Ultrio HCV (HCV NAT)	Negative	✓	-
Ultrio HIV (HIV NAT)	Negative	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Not Detected	✓	-

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### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	148	157	144
Creatinine (<1.5)	3.4	5.18	3.65
Glucose (mg/dL) (60-150)	578	578	142
HbA1C%	14.6	-----	-----
Total bilirubin (0-1.0)	0.2	0.4	0.3
SGOT (AST) (0-40)	412	544	227
SGPT (ALT) (5-35)	197	233	47
Alkaline phosphatase (45-110)	294	377	190
Serum Amylase (23-851)	19	43	43
Serum Lipase (0-80)	11	61	61
WBC (THO/uL) (4.5-11.0)	24.5	32.5	25.9
Hgb (g/dL) (12-16)	13	14.9	10.9
Platelets (THO/uL) (150-350)	603	603	234
INR (<2.0)			

### Urinalysis

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

### Medications During Hospitalization

Steroids**	soluortef		
Diuretics	Lasix 40mg		
T3 Protocol	-----		
T4 Protocol*	Yes		
Insulin**	Yes 0.06u/kg/hr started 166:26 hrs. before organ recovery.		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Famotidine 40mg(x4), levothyroxine 100mcg(x4), keppra 400mg, hydrocortisone 40-80 mg, Heparin 250u, Arginine, vasopressin, Rocephin 1g, Cefepime 0.5-1gr, vancomycin 1.2g, NaHCO3 40-60mEq, Unasyn, milrinone, clindamycin, albumin 5%,	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