

## HPAP-090 Donor Summary



HPAP	090	UNOS	
<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>	59	<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>	<input type="text" value="41"/> Hours <input type="text" value="30"/> Mins.
<b>ABO (Rh)</b>	O	<b>Cross Clamp Time</b>	04/06/2021 06:40 CDT
<b>BMI (Kg/m<sup>2</sup>)</b>	32.284	<b>Cold Ischemia Time*</b>	<input type="text" value="15"/> Hours <input type="text" value="17"/> Mins.
<b>Weight (kg)</b>	88.000		
<b>Height (cm)</b>	165.10		
<b>Cause of Death</b>	Cerebrovascular/Stroke	<b>Preservation Solution</b>	UW <input type="checkbox"/> HTK <input type="checkbox"/> SPS solution
<b>Mechanism of Injury</b>	Intracranial Hemorrhage /Stroke	<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 type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:</b>	<input type="text" value="1"/> Hours <input type="text" value="51"/> 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>	No Downtime	<b>Blood Culture</b>	No Growth
<b>Date /Time of Admission</b>	04/04/2021 13:10 CDT	<b>PHS High Risk</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		<b>Acute Lung Injury</b>	Suspected superimposed small layering bilateral pleural effusions, decreased.

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

## HPAP-090 Donor Summary



### Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T2DM	Since 2017	1000 mg Metformin, Glipizide 5 mg,	Yes
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	yes	6 YEARS Since 2015 or 2016	Amlodipine 5 mg, Hydrochlorothiazide- Lisinopril 25 mg	yes
Hyperlipidemia	NA	NA	Lipitor	yes
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input checked="" type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Hysterectomy 1994, Hernia mesh implant infected -wound vac January 2017, Hernia mesh was not all taken out March 2017, , Varicose vein removal February 2020			
Comments:	Medical Hx: HTN, DM, frequent headaches x 6 weeks, Varicose veins, ankles purple in color, Penicillin allergy Medication Hx: Aspirin 81 mg, Cholecalciferol 1250, , Lipitor 10 mg Family Hx: Father - heart attack; Brother -CAD Social Hx: ½ PPD cigarette X 40 years			

### Hemodynamic Profile

Average BP During Hospitalization (mmHg)	119/61	
Average Low BP During Hospitalization	82/41	Duration: 5 minutes
Average BP in OR (mmHg)	130/70	
Average Low BP in OR (mmHg)	100/50	Duration: 5 minutes
Average HR in OR (bpm)	80	
ABG-pH range	7.19 – 7.39	

### INTERVENTION

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

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	0-20 mcg/min started 2 days before organ recovery for the duration of 15:32 hrs.	
Vasopressin	-----	Pitressin 1.2 -2.4 units /cc for the duration of 5 hrs.	
Neo-Synephrine	-----	-----	-----
Epinephrine	-----	-----	-----
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

Not performed for HPAP-T2D program

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	24	0	-0.004	-0.002
Cut-off values	20	5	0.010	0.020

\*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	1.52	ND

\*Sample obtained at time of organ recovery.

### HLA (OPO)\*

Class 1	A	1	2	Class II	DR	17	15
	B	8	13		DR51	51	N-Negative
	C	06	07		DR52	52	N-Negative
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	2	6
					DQA1	01:02	05:01
					DPB1	04:01	04:02
Comment:							

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### Confirmatory HLA (UPENN)\*

Not performed for HPAP-T2D program

Class 1	A			Class II	DRB1		
	B				DRB3		
	C				DRB4		
					DRB5		
					DQB1		
					DQA1		
					DPB1		
					DPA1		

\*HLA typing performed using NGS

### Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Positive	✓	-
EBV IgM	Not Done	-----	-----
CMV	Positive	✓	-
HBcAb	Nonreactive	✓	-
HBsAg	Negative	✓	-
HCV Ab	Nonreactive	✓	-
HIV I/II	Negative	✓	-
Syphilis	Negative	✓	-
Procleix Ultrio	-----	-----	-----
Ultrio HBV (HBV NAT)	Negative	✓	-
Ultrio HCV (HCV NAT)	Negative	✓	-
Ultrio HIV (HIV NAT)	Negative	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-

## HPAP-090 Donor Summary



### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	140	153	151
Creatinine (<1.5)	0.98	0.98	0.79
Glucose (mg/dL) (60-150)	286	324	128
HbA1C%	8.7	----	----
Total bilirubin (0-1.0)	0.6	0.8	0.6
SGOT (AST) (0-40)	48	66	34
SGPT (ALT) (5-35)	38	56	28
Alkaline phosphatase (45-110)	94	94	65
Serum Amylase (23-851)	57	57	35
Serum Lipase (0-80)	32	32	22
WBC (THO/uL) (4.5-11.0)	24.3	24.3	23
Hgb (g/dL) (12-16)	15.1	15.1	11
Platelets (THO/uL) (150-350)	372	376	220
INR (<2.0)	1.15	1.2	1.15

### Urinalysis

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

### Medications During Hospitalization

Steroids**	Solumedrol 500 mg		
Diuretics	----		
T3 Protocol	----		
T4 Protocol*	Yes		
Insulin**	3-10 units/hr started one day before organ recovery for the duration of 27:00 hrs.		
Antihypertensive	----		
Vasodilators	----		
DDAVP**	----		
Total parenteral nutrition	----		
Other	Lovenox 40mg , Cefepime 2g , Etomidate 20 mg, Rocuronium 80 mg, Sugammadex 360mg	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