

# HPAP-094 Donor Summary



<b>HPAP</b>	<b>094</b>	<b>UNOS</b>	
<b>Recovery OPO</b>	PADV - Gift of Life Donor Program	<b>Allocation Via</b>	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>
<b>Age (years)</b>	38	<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>	56 Hours 50 Mins.
<b>ABO (Rh)</b>	A (A1) Positive	<b>Cross Clamp Time</b>	05/24/2021 04:50 EST
<b>BMI (Kg/m<sup>2</sup>)</b> <b>Weight (kg)</b> <b>Height (cm)</b>	37.842 100.00 162.56	<b>Cold Ischemia Time*</b>	<input type="text"/> Hours <input type="text"/> Mins. No islet isolation
<b>Cause of Death</b>	CEREBROVASCULAR/ STROKE	<b>Preservation Solution</b>	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> Storage/Viaspan/SPS-1
<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 type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:</b>	<input type="text"/> Hours <input type="text"/> Mins. NA
<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>	05/21/2021 20:00 EST	<b>PHS High Risk</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		<b>Acute Lung Injury</b>	Extensive bilateral lower lobe atelectasis and postsurgical changes from prior gastric bypass.

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

## HPAP-094 Donor Summary



### Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1DM or MODY ?	20 years	Insulin for 20 year	Yes
History of cancer	Skin cancer	diagnosed 2013	Squamous, Basal Cell removed	Yes
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Gastric bypass 2019, Cholecystectomy 2019, Partial Hysterectomy – Cyst on Uterus 2016, left arm deltoid area skin cancer removed 2013 , C-section 2002, tonsillectomy and adenoidectomy done as a child			
Comments:	Family Hx: Father had diabetes and NMSC, grandfather had diabetes and several skin grafts. Medical Hx: DM Type 2(gestational diabetes diagnosed 2002), skin cancer 2013, DVT 2015, TIA x3, Asthma since being a child, morbid obesity, hypothyroidism, DLD, Migraines, orthostatic hypotension, depression, anxiety, PCN allergy, COVID test positive on 2020 Social HX: smoked 3 ppw cigarette since her teens Medication HX: Synthroid 100mcg , Metformin 1000mg, Ortho Micronor 0.35mg , Albuterol			

### Hemodynamic Profile

Average BP During Hospitalization (mmHg)	125/61	
Average Low BP During Hospitalization	84/53	Duration: 5 min
Average BP in OR (mmHg)	NA	
Average Low BP in OR (mmHg)	NA	Duration: NA
Average HR in OR (bpm)	NA	
ABG-pH range	7.244 – 7.425	

### INTERVENTION

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

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	5 -7.5 mcg/min (started 51:50 hrs. before organ recovery for the duration of 7:31 hrs.	
Vasopressin	-----	2.4 units/hr ongoing (started 30:50 hrs. before organ recovery)	
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-Synephrine (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	0	0	-0.002	-0.005
Cut-off values	20	5	0.010	0.020

\*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	9.43	ND

\*Sample obtained at time of organ recovery.

### HLA (OPO)\*

Class 1	A	02	23	Class II	DR	4	11
	B	15(62)	44		DR51	N-Negative	N-Negative
	C	03(9)	05		DR52	52	N-Negative
	Bw4	Positive			DR53	53	N-Negative
	Bw6	Positive			DQB1	7	7
			DQA1		03	05	
			DPB1		03:01	04:01	
Comment:							

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### Confirmatory HLA (UPENN)\*

Class 1	A	02:01	23:01	Class II	DRB1	04:01	11:01
	B	15:01	44:02		DRB3	02:02	----
	C	03:03	05:01		DRB4	----	01:03
					DRB5	----	----
					DQB1	03:01	----
					DQA1	03:03	05:05
					DPB1	03:01	04:01
					DPA1	01:03	----

\*HLA typing performed using NGS

### Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	<b>Positive</b>	✓	-
EBV IgM	Negative	✓	-
CMV	<b>Positive</b>	✓	-
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Non-Reactive	✓	-
Procleix Ultrio	ND	---	---
Ultrio HBV	Non-Reactive	✓	-
Ultrio HCV	Non-Reactive	✓	-
Ultrio HIV	Non-Reactive	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-



## HPAP-094 Donor Summary

### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	137	151	151
Creatinine (<1.5)	0.76	0.9	0.9
Glucose (mg/dL) (60-150)	100	342	276
HbA1C%	5	-----	-----
Total bilirubin (0-1.0)	0.3	0.7	0.4
SGOT (AST) (0-40)	33	94	15
SGPT (ALT) (5-35)	67	88	33
Alkaline phosphatase (45-110)	80	89	64
Serum Amylase (23-851)	22	25	25
Serum Lipase (0-80)	14	17	17
WBC (THO/uL) (4.5-11.0)	17	23.5	19
Hgb (g/dL) (12-16)	14.7	16.2	11.8
Platelets (THO/uL) (150-350)	367	415	282
INR (<2.0)	1.02	1.9	1.4

### Urinalysis

	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
Glucose	Negative	Positive: >=1000	Positive: 1000	Positive: 1000

### Medications During Hospitalization

Steroids**	-----
Diuretics	-----
T3 Protocol	-----
T4 Protocol*	-----
Insulin**	Insulin-R 20 units x 1 started 44:18 hrs. before organ recovery
Antihypertensive	Nicardipine 15-10 mg/hr ,ongoing, started 34:50 hrs. before organ recovery
Vasodilators	-----
DDAVP**	2 mcg x 2 started 53:10 hrs. before organ recovery
Total parenteral nutrition	-----
Other	Levothyroxine 20 mcg, Cefazolin 2gm   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