

# HPAP-111 Donor Summary



<b>HPAP</b>	<b>111</b>	<b>UNOS</b>	
<b>Recovery OPO</b>	Gift of Life Donor Program	<b>Allocation Via</b>	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>
<b>Age (years)</b>	63	<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>	200 Hours 14 Mins.
<b>ABO (Rh)</b>	O Positive	<b>Cross Clamp Time</b>	01/06/2022 08:14 EST
<b>BMI (Kg/m<sup>2</sup>)</b>	24.25	<b>Cold Ischemia Time*</b>	7 Hours 42 Mins.
<b>Weight (kg)</b>	74.5		
<b>Height (cm)</b>	175.26		
<b>Cause of Death</b>	CVA/Stroke	<b>Preservation Solution</b>	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> UW Belzer Cold Storage/Viaspan/SPS-1
<b>Mechanism of Injury</b>	Intracranial Hemorrhage/Stroke	<b>Organs Recovered</b>	Heart <input type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input checked="" type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <input checked="" type="checkbox"/> Intestine <input checked="" 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>	00 Hours 15 Mins.
<b>CPR / Time</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> < 5 minutes unit- Coded x1, CPR with 1 round epi	<b>Organs Discarded</b>	Heart <input type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input type="checkbox"/> Intestine <input checked="" type="checkbox"/>
<b>Total Est. Downtime</b>	< 5 minutes	<b>Blood Culture</b>	NA
<b>Date /Time of Admission</b>	12/29/2022 00:00 EST	<b>PHS High Risk</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		<b>Acute Lung Injury</b>	No, The lungs are clear without infiltrate, effusion or pneumothorax

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

## HPAP-111 Donor Summary



### Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T2D	NA	NA	NA
History of cancer	-----	-----	-----	-----
CAD	yes	NA	NA	NA
Hypertension	yes	NA	NA	NA
Hyperlipidemia	yes	NA	NA	NA
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
<b>Surgical History:</b>	cardiac stent\peripheral stents, tibia\fibula repair, femur repair			
<b>Comments:</b>	Medical Hx: Congestive Heart Failure, Peripheral artery Disease, Chronic Renal Failure, seizures Social Hx: Smoking cigarettes 1 ppd\40 years (quit 2017), current cigar smoker 2 cigars per week, drank beer socially 2-3 beers on special occasions, quit 10 years ago			

### Hemodynamic Profile

Average BP During Hospitalization (mmHg)	120/57	
Average Low BP During Hospitalization	88/50	Duration: 30-60 min
Average BP in OR (mmHg)	115/64	
Average Low BP in OR (mmHg)	90/45	Duration: 3 min
Average HR in OR (bpm)	68	
ABG-pH range	7.14 – 7.36	

### INTERVENTION

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

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	250	250 ml given 41:20 hrs. before organ recovery	
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	5 mcg/kg/min started 2 days before organ recovery for the duration of 2:04 hrs.	
Dopamine	-----	-----	-----



## HPAP-111 Donor Summary

### Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	5 mcg/min	-----
Vasopressin	-----	-----	-----
Neo-Synephrine (phenylephrine)	-----	4 mcg/min	-----
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	-0.001
Cut-off values	20	5	0.01	0.02

\*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	5.02	NA

\*Sample obtained at time of organ recovery.

### HLA (OPO)\*

Class 1	A	03	03	Class II	DR	04	04
	B	07	44		DR51	N-Negative	N-Negative
	C	05	07		DR52	N-Negative	N-Negative
	Bw4	Positive			DR53	53	53
	Bw6	Positive			DQB1	03(7)	03(7)
			DQA1		03	03	
			DPB1		04:01	04:01	
Comment:							

## HPAP-111 Donor Summary



### 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	Negative	✓	-
CMV	Negative	✓	-
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-111 Donor Summary

### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	133	150	150
Creatinine (<1.5)	1.3	1.3	1.11
Glucose (mg/dL) (60-150)	184	236	155
HbA1C%	6.8	-----	-----
Total bilirubin (0-1.0)	0.5	0.5	0.2
SGOT (AST) (0-40)	54	116	53
SGPT (ALT) (5-35)	45	89	36
Alkaline phosphatase (45-110)	86	101	62
Serum Amylase (23-851)	43	74	74
Serum Lipase (0-80)	38	59	59
WBC (THO/uL) (4.5-11.0)	7.7	19.9	17.1
Hgb (g/dL) (12-16)	14.2	14.7	8.4
Platelets (THO/uL) (150-350)	249	399	344
INR (<2.0)	1.05	1.4	1.4

### Urinalysis

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

### Medications During Hospitalization

Steroids**	-----
Diuretics	Mannitol 25%(50 ml) given 40:58 hrs before organ recovery
T3 Protocol	-----
T4 Protocol*	40 mcg/hr
Insulin**	1-5 units subcutaneous, Q6H SCH, Insulin regular 10 units IV once
Antihypertensive	Metoprolol 5mg, given 29:16 hrs before organ recovery, Nicardipine
Vasodilators	Hydralazine 10 mg, given 98:19 hrs before organ recovery
DDAVP**	-----
Total parenteral nutrition	-----
Other	Nicardipine 2.5-15 ng/hr, Phenylpherin 0.1- 9 mcg/kg/min, Acetaminophen Q6H PRN, Chlorohexidine 7.5 mg, Pantoprazole 40 mg, dextrose, Glucagon, Magnesium sulfate, Cefazolin, Versed 2mg,

\*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