

# HPAP-051 Donor Summary



<b>HPAP</b>	T2D-051	<b>UNOS</b>		
<b>Recovery OPO</b>	GLDP	<b>Allocation Via</b>	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>	
<b>Age (years)</b>	43	<b>DCD</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
<b>Race</b>	African American	<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>	133 Hours 29 Mins.	
<b>ABO (Rh)</b>	AB+	<b>Cross Clamp Time</b>	01/02/2020 13:59 EST	
<b>BMI (Kg/m<sup>2</sup>)</b>	45.49	<b>Cold Ischemia Time*</b>	7 Hours 6 Mins.	
<b>Weight (kg)</b>	124			
<b>Height (cm)</b>	165.1			
<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"/> 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 checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:</b>	0 Hours 7 Mins.	
<b>CPR / Time</b>	Yes <input checked="" type="checkbox"/> 25 minutes No <input 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>	25 minutes	<b>Blood Culture</b>	No Growth	
<b>Date /Time of Admission</b>	12/28/2019 00:30 EST	<b>PHS High Risk</b>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		<b>Acute Lung Injury</b>	Yes (pulmonary edema, atelectasis or gastric pneumatosis)	

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



## HPAP-051 Donor Summary

### Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T2DM	5-6 years	Metformin 1000mg 2x day Glimepiride 4 mg 2x day Glyxambi 4 mg daily	Yes
History of cancer	-----	-----	-----	-----
CAD	Yes	Loop recorder implant 1 year	-----	-----
Hypertension	Yes	6 years	Lisinopril (20mg QD)	Yes
Hyperlipidemia	Yes	6 years	Atorvastatin (40mg QD)	yes
Autoimmune disease				
Family History	CAD <input checked="" type="checkbox"/>	Diabetes <input checked="" type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Loop recorder implant for heart July 2019 Knee surgery- 6 pins-pt. fell May 2015 Stroke 2019 – on eliquis for one year			
Comments:	Pts maternal grandmother and paternal aunt had diabetes			

### Hemodynamic Profile

Average BP During Hospitalization (mmHg)	101.7/64	
Average Low BP During Hospitalization	80.7/56.7	Duration: 15-30 min
Average BP in OR (mmHg)	120/70	
Average Low BP in OR (mmHg)	103/64	Duration: 2 min
Average HR in OR (bpm)	90	
ABG-pH range	6.69 – 7.405	

### INTERVENTION

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

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	11mcg/min	for the duration of 92 hours
Vasopressin	-----	0.04 units	5 days before organ recovery
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	5units	5 days before organ recovery
Phenylephrine	-----	100 mcg/min	5 days before organ recovery
Dopamine	-----	-----	-----



## HPAP-051 Donor Summary

### 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): **Not Performed for T2D Donors**

GAD-65	IA-2
N/A	N/A

### 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	0.009
Cut-off values	20	5	0.010	0.020

\*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	1.92	N/A

\*Sample obtained at time of organ recovery.

### HLA (OPO)\*

Class 1	A	2	23	Class II	DR	15	15
	B	44	58		DR51	51	51
	C	05	07		DR52	N-Negative	N-Negative
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Negative			DQB1	6	6
			DQA1		01	01	
			DPB1		01:01	04:01	
Comment:							

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### Confirmatory HLA (UPENN)\* **Not performed for T2D donors**

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

\*HLA typing performed using NGS

### Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Positive	✓	----
EBV IgM	Negative	✓	----
CMV total Ab	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	✓	----

## HPAP-051 Donor Summary



### Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	143	152	138
Creatinine (<1.5)	1.13	1.69	0.77
Glucose (mg/dL) (60-150)	360	440	160
HbA1C%	6.7	----	----
Total bilirubin (0-1.0)	0.3	0.7	0.4
SGOT (AST) (0-40)	134	182	52
SGPT (ALT) (5-35)	131	163	33
Alkaline phosphatase (45-110)	129	140	133
Serum Amylase (23-851)	58	58	30
Serum Lipase (0-80)	147	147	24
WBC (THO/uL) (4.5-11.0)	17.9	23.7	12.3
Hgb (g/dL) (12-16)	15.1	15.9	10.9
Platelets (THO/uL) (150-350)	287	296	130
INR (<2.0)	1.1	1.5	1.5

### Urinalysis

	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
Glucose	positive	negative	positive	-----

### Medications During Hospitalization

Steroids**	-----
Diuretics	Mannitol 50 gm
T3 Protocol	-----
T4 Protocol*	Yes – 20 mcg/hr
Insulin**	4 unit/hr 5 days before organ recovery
Antihypertensive	Lisinopriol 40 mg daily
Vasodilators	-----
DDAVP**	-----
Total parenteral nutrition	-----
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