



HPAP-091 Donor Summary

HPAP	091	UNOS		
Recovery OPO	AZOB - Donor Network of Arizona	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	50	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Race	Hispanic/Latino	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
Sex	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	95 Hours 06 Mins.	
ABO (Rh)	B +	Cross Clamp Time	04/11/2021 14:36 MST	
BMI (Kg/m ²)	35.581	Cold Ischemia Time*	16 Hours 42 Mins.	
Weight (kg)	95.7000			
Height (cm)	164.00			
Cause of Death	CEREBROVASCULAR/STROKE	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	DEATH FROM NATURAL CAUSES	Organs Recovered	Heart <input checked="" type="checkbox"/> Lung <input checked="" type="checkbox"/> Liver <input checked="" type="checkbox"/>	Kidney <input checked="" type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	0 Hours 20 Mins.	
CPR / Time	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/>	Kidney <input type="checkbox"/> Pancreas <input type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	No Downtime	Blood Culture	No Growth to date	
Date /Time of Admission	04/07/2021 15:30 MST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		Acute Lung Injury	Atelectasis versus interstitial infiltrate left lung base	

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



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Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T2DM	Three months	unknown	yes
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	HBP	unknown	unknown	unknown
Hyperlipidemia	HLD	unknown	unknown	unknown
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Remove lumps from arm pit, Lap Chole 2015			
Comments:	<p>Medical Hx: DM, HTN, HLD, recently diagnosed unruptured aneurysms, Pansinusitis by brain-MRI 11/24/20, Allergic rhinitis, GERD, BPPV (benign paroxysmal positional vertigo), Chronic migraines, chronic back pain, anxiety, depression, dyspnea, EGD with negative biopsy 2016, bilat nasal sinus polyp 2011, L breast lesion deemed benign by L breast lumpectomy, obesity</p> <p>Social Hx: former smoker 2 a day cigarettes for 32 years quit 6 months ago</p> <p>Family Hx: History of diabetes in father's side</p>			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	134/69	
Average Low BP During Hospitalization	86/60	Duration: 15 minutes
Average BP in OR (mmHg)	110/75	
Average Low BP in OR (mmHg)	80/40	Duration: 5 minutes
Average HR in OR (bpm)	75	
ABG-pH range	7.26 - 7.54	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	Ongoing 1.2 unit/hr started 48:40 hrs. before organ recovery	
Neo-Synephrine	-----	10-140 mcg/min started 92:20 hrs. days before organ recovery for the duration of 38:35 hrs.	
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	-----	0.02 units/min	-----
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	0	0	-0.007	-0.001
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	2.33	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	29	68	Class II	DR	17	15
	B	7	8		DR51	51	----
	C	07	16		DR52	52	----
	Bw4	Negative			DR53	N-Negative	----
	Bw6	Positive			DQB1	2	6
			DQA1		01	05	
			DPB1		01:01	02:01	
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	Not Done	-----	-----
EBV IgM	Not Done	-----	-----
CMV	Positive	✓	-
HBcAb	Negative	✓	-
HBsAg	Negative	✓	-
HCV Ab	Negative	✓	-
HIV I/II	Negative	✓	-
Syphilis	Negative	✓	-
Procleix Ultrio	Not Done	-----	-----
Ultrio HBV (HBV NAT)	Negative	✓	-
Ultrio HCV (HCV NAT)	Negative	✓	-
Ultrio HIV (HIV NAT)	Negative	✓	-
Toxoplasma Ab	Pending	✓	-
SARS-CoV-2	Undetected	✓	-



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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	140	172	142
Creatinine (<1.5)	0.64	0.86	0.49
Glucose (mg/dL) (60-150)	145	334	185
HbA1C%	6.9	----	----
Total bilirubin (0-1.0)	0.4	0.4	0.3
SGOT (AST) (0-40)	14	18	8
SGPT (ALT) (5-35)	16	22	13
Alkaline phosphatase (45-110)	74	79	75
Serum Amylase (23-851)	----	----	----
Serum Lipase (0-80)	37	----	----
WBC (THO/uL) (4.5-11.0)	6.1	15	14.1
Hgb (g/dL) (12-16)	13.8	15.9	10.1
Platelets (THO/uL) (150-350)	295	448	193
INR (<2.0)	1.1	1.4	1.2

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Negative	Negative	Negative	----

Medications During Hospitalization

Steroids**	Solumedrol 500 mg		
Diuretics	Lasix 40-80 mg, Mannitol 100 gm		
T3 Protocol	----		
T4 Protocol*	Yes		
Insulin**	1-5 units started 4 days before organ recovery for the duration of SSI PRN 20 units single dose injected 2 days before organ recovery		
Antihypertensive	----		
Vasodilators	----		
DDAVP**	Yes, 2 mg		
Total parenteral nutrition	----		
Other	Cardene 5mg/hr, Levothyroxine 10mcg/hr, vancomycin 1gm, Zosyn 4.5 gm, cipro, Miconazole 100 mg,	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