

HPAP-179 Donor Summary



HPAP	179	UNOS	
Recovery OPO	Hospital of the University of PA	Allocation Via	UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/>
Age (years)	59	DCD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Race	Indian/Sub-Continent	DBD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Sex	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	<input type="text" value="73"/> Hours <input type="text" value="50"/> Mins.
ABO (Rh)	0 Positive	Cross Clamp Time	08/20/2024 01:50 EDT
BMI (Kg/m²)	27.41	Cold Ischemia Time*	<input type="text" value="10"/> Hours <input type="text" value="42"/> Mins. DCD WIT 37Mins.
Weight (kg)	66.7		
Height (cm)	156		
Cause of Death	CVA/Stroke	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> UW/Belzer Cold Storage/Viaspan/SPS-1
Mechanism of Injury	Intracranial Hemorrhage/Stroke	Organs Recovered	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 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:	<input type="text" value="00"/> Hours <input type="text" value="11"/> Mins.
CPR / Time	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Kidney <input type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	NA	Blood Culture	No Growth, Day 5
Date /Time of Admission	08/17/2024 00:00 EDT	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Mild left atelectasis, no focal consolidation, pleural effusion, or pneumothorax.

*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	DM 2	6 yrs	metformin 5 mg 3-4 yrs	yes
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	yes	10 years	Telmasartam (4-5 years)	yes
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	hysterectomy due to fibroids, cataract surgery, Lasik surgery			
Comments:	Medical Hx: DM 2, HTN, hypothyroidism, Myopia Medication Hx: Aspirin 80 mg, Thyronom 100mcg			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	170/79	
Average Low BP During Hospitalization	115/74	Duration: 2- 29 min.
Average BP in OR (mmHg)	NA	
Average Low BP in OR (mmHg)	NA	Duration:
Average HR in OR (bpm)	NA	
ABG-pH range	7.41 – 7.49 7.1 – 7.7 (NPR data)	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	300	6	1800
Platelets	252	1	252
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Syneprine	-----	-----	-----
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

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	-0.008	-0.001
Cut-off values	20	5	0.01	0.02

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	4.99	-----

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	3	24	Class II	DR	7	13
	B	7	57		DR51	N-Negative	N-Negative
	C	06	07		DR52	52	N-Negative
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	9	6
			DQA1		01	02	
			DPB1		09:01	13:0 1	
			DPA1	02	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	Negative	-	-
CMV	Positive	✓	-
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Non-Reactive	✓	-
Procleix Ultrio	NA	-	-
Ultrio HBV	Non-Reactive	✓	-
Ultrio HCV	Non-Reactive	✓	-
Ultrio HIV	Non-Reactive	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	136	142	139
Creatinine (<1.5)	0.55	0.77	0.72
Glucose (mg/dL) (60-150)	216	307	238
HbA1C%	9.3	-----	-----
Total bilirubin (0-1.0)	0.5	0.9	0.6
SGOT (AST) (0-40)	29	29	19
SGPT (ALT) (5-35)	40	40	28
Alkaline phosphatase (45-110)	106	106	81
Serum Amylase (23-851)	NA	NA	NA
Serum Lipase (0-80)	47	NA	NA
WBC (THO/uL) (4.5-11.0)	21.4	24.8	21.3
Hgb (g/dL) (12-16)	15.1	15.1	12.3
Platelets (THO/uL) (150-350)	240	244	244
INR (<2.0)	1.1	1.1	1.1

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive	Positive	NA	NA

Medications During Hospitalization

Steroids**	Solumedrol 0.5 g		
Diuretics	Mannitol(25%) 12.5 g		
T3 Protocol	-----		
T4 Protocol*	-----		
Insulin**	Insulin Regular started 50:12 hrs. before organ recovery for the duration of 12:06 hrs.		
Antihypertensive	Nicardipine		
Vasodilators	Started 41:23 hrs before organ recovery		
DDAVP**	19.5 mcg started 49:59 hrs. before organ recovery		
Total parenteral nutrition	-----		
Other	Nicardipine, Cefazolin 2 gm, Zosyn 4.5 gm, Albumin (5%) , Heparin 10,000 u, Rocuronium 100 g, Sodium Bicarbonate 50 mEq,	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