

HPAP-081 Donor Summary



HPAP	081	UNOS	
Recovery OPO	NDRI	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>
Age (years)	45	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Race	Caucasian	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Sex	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	114 Hours 37 Mins.
ABO (Rh)	A1	Cross Clamp Time	01/26/2021 18:37 EST
BMI (Kg/m²)	28.906	Cold Ischemia Time*	14 Hours 54 Mins.
Weight (kg)	74		
Height (cm)	160		
Cause of Death	Cerebrovascular/Stroke	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input checked="" type="checkbox"/> Fresh/HTK, UW/SPS-1
Mechanism of Injury	Intracranial Hemorrhage / Stroke	Organs Recovered	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"/>
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"/> Hours <input type="text"/> Mins. NA
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	No Downtime	Blood Culture	No Growth
Date /Time of Admission	01/22/2021 00:00 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Early pneumonia versus atelectasis 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	20 years	Metformin, Lantus, Trulicity	Unknown
History of cancer	-----	-----	-----	-----
CAD	Yes	Unknown	Unknown	Unknown
Hypertension	Yes	10 years	lisinopril	Unknown
Hyperlipidemia	Yes	Unknown	Atorvastatin	Unknown
Autoimmune disease	Unknown	-----	-----	-----
Family History	CAD <input type="checkbox"/> unknown	Diabetes <input type="checkbox"/> unknown	Auto immune disease <input type="checkbox"/> unknown	Others:
Surgical History:	Unknown			
Comments:	Disease Hx: Myocardial infarction, Duration: Unknown Diabetic neuropathy, Duration: Unknown			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	131/ 66	
Average Low BP During Hospitalization	138 / 64	Duration: 5 Minutes
Average BP in OR (mmHg)	NA	
Average Low BP in OR (mmHg)	NA	Duration: NA
Average HR in OR (bpm)	NA	
ABG-pH range	7.48 – 7.58	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Syneprine	-----	-----	-----
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	2.5 MCG/KG/MIN started 2 days before organ recovery for the duration of 19:29:00 hrs	

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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	NA	NA	NA
PRBCs	NA	NA	NA
Platelets	NA	NA	NA
Norepinephrine (Levophed)	NA	NA	NA
Vasopressin	NA	NA	NA
Neo-Synephrine (phenylephrine)	NA	NA	NA
Epinephrine	NA	NA	NA
Dopamine	NA	NA	NA
Heparin	NA	NA	NA

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	0.068	- 0.002
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.62	-----

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	3	25	Class II	DR	1	17
	B	8	51		DR51	N-Negative	N-Negative
	C	01	07		DR52	52	----
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	2	5
			DQA1		01	05	
			DPB1		01:01	03:01	
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	Positive	✓	-----
EBV IgM	Negative	✓	-----
CMV	Negative	✓	-----
HBcAb	Negative	✓	-----
HBsAg	Negative	✓	-----
HCV Ab	Negative	✓	-----
HIV I/II	Negative	✓	-----
Syphilis	Negative	✓	-----
Procleix Ultrio	ND	-----	-----
Ultrio HBV (HBV NAT)	Negative	✓	-----
Ultrio HCV (HCV NAT)	Negative	✓	-----
Ultrio HIV (HIV NAT)	Negative	✓	-----
Toxoplasma Ab	Negative	✓	-----
SARS-CoV-2	Negative	✓	-----

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	139	152	150
Creatinine (<1.5)	0.73	0.73	0.57
Glucose (mg/dL) (60-150)	206	467	164
HbA1C%	7.9	----	----
Total bilirubin (0-1.0)	0.4	0.4	0.1
SGOT (AST) (0-40)	15	15	12
SGPT (ALT) (5-35)	17	17	12
Alkaline phosphatase (45-110)	119	119	116
Serum Amylase (23-851)	16	----	----
Serum Lipase (0-80)	6	----	----
WBC (THO/uL) (4.5-11.0)	13.8	14.7	12.5
Hgb (g/dL) (12-16)	15.4	15.4	11.2
Platelets (THO/uL) (150-350)	399	399	260
INR (<2.0)	1.3	----	----

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive: +2	Positive: +2	----	----

Medications During Hospitalization

Steroids**	-----
Diuretics	-----
T3 Protocol	-----
T4 Protocol*	-----
Insulin**	-----
Antihypertensive	-----
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