

HPAP-089 Donor Summary



HPAP	089	UNOS	
Recovery OPO	NVLV - Nevada Donor Network	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>
Age (years)	27	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	210 Hours 26 Mins.
ABO (Rh)	B +	Cross Clamp Time	04/03/2021 10:46 PDT
BMI (Kg/m ²) Weight (kg) Height (cm)	21.717 57.700 163.00	Cold Ischemia Time*	Hours Mins. No Islet Isolation
Cause of Death	ANOXIA	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>
Mechanism of Injury	DEATH FROM NATURAL CAUSES	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 checked="" type="checkbox"/> No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	0 Hours 14 Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 15 Minutes	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	15 Minutes	Blood Culture	Blood GS: Anaerobic and aerobic blood culture bottles positive for gram positive Cocci in clusters. mecA/C, Staphylococcus spp. and Staph epidermidis detected.
Date /Time of Admission	03/25/2021 16:20 PDT	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Multifocal pneumonia or pneumonitis stable

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



HPAP-089 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1DM	8 years, since the age of 19	insulin Lantus	Since 03/01/2021
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	None			
Comments:	Medical Hx: Pt had circulation problems on left leg, diarrhea and severe headache a week prior to admission due to uncontrolled diabetes and stress			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	123/75	
Average Low BP During Hospitalization	69/43	Duration: 15 minutes
Average BP in OR (mmHg)	110/80	
Average Low BP in OR (mmHg)	109/62	Duration: 15 minutes
Average HR in OR (bpm)	85	
ABG-pH range	7.25- 7.55	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----	----	----
PRBCs	----	1-5	652
Platelets	----	----	----
Norepinephrine (Levophed)	-----	5 MCG/MIN started 8 days before organ recovery for the duration of 79:27:00 hrs.	
Vasopressin	-----	0.02 units/min started 8 days before organ recovery for the duration of 80: hrs.	
Neo-Syneprine	-----	20 -50 MCG/MIN started 5 days before organ recovery for the duration of 47:33:00 hrs.	
Epinephrine	-----	-----	-----
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

HPAP-089 Donor Summary



Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Synephrine (phenylephrine)	-----	50 mcg x2 (single dose)	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

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	608	13	-0.004	0.002
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.05	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	30	68	Class II	DR	4	17
	B	18	39		DR51	N-Negative	N-Negative
	C	05	07		DR52	52	N-Negative
	Bw4	Negative			DR53	53	N-Negative
	Bw6	Positive			DQB1	2	8
			DQA1		03	05	
			DPB1		02:02	04:02	
Comment:							

HPAP-089 Donor Summary



Confirmatory HLA (UPENN)*

Class 1	A	30:02	68:03	Class II	DRB1	03:01	04:07
	B	18:01	39:05		DRB3	02:02	---
	C	05:01	07:02		DRB4	---	01:03
					DRB5	---	---
					DQB1	02:01	03:02
					DQA1	05:01	03:01
					DPB1	02:02	04:02
					DPA1	01:03	---

*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	Not Done	-----	-----
Ultrio HBV	Non Reactive	✓	-
Ultrio HCV	Non Reactive	✓	-
Ultrio HIV	Non Reactive	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-CoV-2	Negative	✓	-

HPAP-089 Donor Summary



Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	140	182	153
Creatinine (<1.5)	0.48	0.67	0.41
Glucose (mg/dL) (60-150)	488	488	150
HbA1C%	10.4	---	---
Total bilirubin (0-1.0)	0.2	2.2	0.9
SGOT (AST) (0-40)	265	265	200
SGPT (ALT) (5-35)	147	147	42
Alkaline phosphatase (45-110)	264	264	251
Serum Amylase (23-851)	18	---	---
Serum Lipase (0-80)	40	---	---
WBC (THO/uL) (4.5-11.0)	8.5	23.6	7
Hgb (g/dL) (12-16)	10.1	10.6	8
Platelets (THO/uL) (150-350)	344	387	93
INR (<2.0)	0.9	1.3	1.1

Urinalysis

	1 st	2 nd	3 rd	4 th	5 th	6 th
Glucose	Negative	Negative	Positive:100	Negative	Positive>1000	Negative

Medications During Hospitalization

Steroids**	Solumedrol 1-2 gm q8h started 5 days before organ recovery		
Diuretics	Lasix 20 -40mg Started 4 days before organ recovery		
T3 Protocol	----		
T4 Protocol*	Yes		
Insulin**	5-15 units/hr started 8 days before organ recovery for the duration of 187:27 hrs		
Antihypertensive	----		
Vasodilators	----		
DDAVP**	----		
Total parenteral nutrition	----		
Other	Arginine vasopressin, Lactulose, Duoneb, Zosyn, Vanco, Mag Ca, Pulmicort, Amio, Nitro, Milrinone, Norcuron, Dobutamine KCL, Cefepime, Diflucan, phos	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