

HPAP-048 Donor Summary



HPAP	048	UNOS	
Recovery OPO	AZOB-Donor Network of Arizona	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 checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	96 Hours 04 Mins.
ABO (Rh)	O+	Cross Clamp Time	09/12/2019 19:24 PST 09/12/2019 22:24 EST
BMI (Kg/m²) Weight (kg) Height (cm)	25 66.5 163	Cold Ischemia Time*	Hours Mins. No Islet Isolation
Cause of Death	Anoxia	Preservation Solution	UW <input type="checkbox"/> HTK <input checked="" type="checkbox"/>
Mechanism of Injury	Cardiovascular	Organs Recovered	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"/>
Cardiac Arrest/Downtime	Yes <input checked="" type="checkbox"/> 65 minutes No <input type="checkbox"/> Secondary to Met Acidosis and DKA	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	0 Hours 25 Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> 65 minutes No <input 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	65 minutes	Blood Culture	No Growth
Date /Time of Admission	09/08/2019 19:20 MST 09/08/2019 22:20 EST	PHS High Risk	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
		Acute Lung Injury	Extensive Bilateral airspace disease

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



HPAP-048 Donor Summary

Medical History:

		Duration	Medications	Compliance
Type of Diabetes	T1D	6 -10years	Insulin	Poor
History of cancer	None	-----	-----	-----
CAD	None	-----	-----	-----
Hypertension	yes	0-5 year	Unknown	Unknown
Hyperlipidemia	yes	3 years	Unknown	Unknown
Autoimmune disease	None	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Right leg BK amputation Sept,2018 Right leg more amputated in July 2019 to control infection			
Comments:	He was not consistent with his insulin and was not taking it on a regular basis. Drug Abuse (Meth)			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	151/80	
Average Low BP During Hospitalization	65/38	Duration: 5 minutes
Average BP in OR (mmHg)	130/63	
Average Low BP in OR (mmHg)	110/55	Duration: 5 M
Average HR in OR (bpm)	85	
ABG-pH range	6.6 - 7.55	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	346	-----	346 (infused 24 hours before organ recovery)
PRBCs	-----	-----	1000 (Transfused 48 hours before organ recovery)
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	32mcg/min for the duration of 57:34 hours (39:24 hours before organ recovery)	
Vasopressin	-----	2.4 Units/Hour for the duration of 58:47 hours (32:24 hours before organ recovery)	
Neo-Syneprine	-----		
Epinephrine	-----	10 mcg/min for the duration of 18:30 hours (76:54 hours before organ recovery)	
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

HPAP-048 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	-----
Insulin	-----	4 units / hour	-----

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	5	0	0.006	0.003
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	<0.02	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	3	68	Class II	DR	4	17
	B	18	35		DR51	Negative	-
	C	05	07		DR52	52	-
	Bw4	Negative			DR53	53	-
	Bw6	Positive			DQB1	2	8
			DQA1		03	05	
			DPB1		03:01	04:02	
Comment:							

HPAP-048 Donor Summary



Confirmatory HLA (UPENN)*

Class 1	A	03:01	68:03	Class II	DRB1	03:01	04:07
	B	18:01	35:01		DRB3	02:02	-----
	C	05:01	07:02		DRB4	-----	01:03
					DRB5	-----	-----
					DQB1	02:01	03:02
					DQA1	03:01	05:01
					DPB1	03:01	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	ND	-	-----
CMV	Positive	✓	-----
HBcAb	Non-Reactive	✓	-----
HBsAg	Non-Reactive	✓	-----
HCV Ab	Non-Reactive	✓	-----
HIV I/II	Non-Reactive	✓	-----
Syphilis	Non-Reactive	✓	-----
Procleix Ultrio	Non-Reactive	✓	-----
Ultrio HBV	Non-Reactive	✓	-----
Ultrio HCV	Non-Reactive	✓	-----
Ultrio HIV	Non-Reactive	✓	-----
Toxoplasma Ab	Non-Reactive	✓	-----
West Nile Virus (WNT)	Non-Reactive	✓	-----

HPAP-048 Donor Summary



Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	130	145	140
Creatinine (<1.5)	2.99	5.88	3.08
Glucose (mg/dL) (60-150)	1305	1305	234
HbA1C%	10.2	-----	-----
Total bilirubin (0-1.0)	0.6	1.2	0.7
SGOT (AST) (0-40)	375	1775	82
SGPT (ALT) (5-35)	202	380	117
Alkaline phosphatase (45-110)	174	251	251
Serum Amylase (23-851)	73	73	49
Serum Lipase (0-80)	15	69	69
WBC (THO/uL) (4.5-11.0)	19.8	19.8	13.2
Hgb (g/dL) (12-16)	9.5	9.8	9.2
Platelets (THO/uL) (150-350)	128	285	66
INR (<2.0)	1.82	1.82	1.08

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive >500	Positive >500	ND	ND

Medications During Hospitalization

Steroids**	-----
Diuretics	-----
T3 Protocol	-----
T4 Protocol*	Yes 10 mcg/hr
Insulin**	4 units/hr
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