

HPAP-063 Donor Summary



HPAP		UNOS	
Recovery OPO	OHOV - Ohio	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	White	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Sex	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	<input type="text" value="78"/> Hours <input type="text" value="43"/> Mins.
ABO (Rh)	A1+	Cross Clamp Time	07/10/2020 02:46 EST
BMI (Kg/m ²)	38.407	Cold Ischemia Time*	<input type="text" value="13"/> Hours <input type="text" value="56"/> Mins.
Weight (kg)	108.4		
Height (cm)	168		
Cause of Death	Anoxia	Preservation Solution	UW <input type="checkbox"/> HTK <input checked="" type="checkbox"/>
Mechanism of Injury	Natural Causes	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 checked="" type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 20 minutes	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text" value="00"/> Hours <input type="text" value="15"/> Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 20 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	20 minutes	Blood Culture	No Growth
Date /Time of Admission	07/062020 20:03 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Combination of effusion and airspace disease

*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	None	----	----	----
History of cancer	----	----	----	----
CAD	----	----	----	----
Hypertension	----	----	----	----
Hyperlipidemia	----	----	----	----
Autoimmune disease	----	----	----	----
Family History	CAD <input checked="" type="checkbox"/>	Diabetes <input checked="" type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Ankle surgery at the age of 18, had pins in ankle			
Comments:	Mother, father, grandfathers on both sides had diabetes Both grandfathers had CAD Used edible or Smoked Marijuana weekly since the pt was a teenager Used cocaine infrequently for less than half a year 25 years ago Pt took a number of medications for schizophrenia			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	125/76	
Average Low BP During Hospitalization	102/58	Duration: 1 minute
Average BP in OR (mmHg)	120/60	
Average Low BP in OR (mmHg)	87/50	Duration: 1 minute
Average HR in OR (bpm)	115	
ABG-pH range	6.95 – 7.44	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----	----	----
PRBCs	----	----	----
Platelets	----	----	----
Norepinephrine (Levophed)	----	20 - 4 MCG/Min started 3 days before the organ recovery for the duration of 8:41hrs	
Vasopressin	----	0.6 -1.2 units/hr started 2 days before the organ recovery for the duration of 20:45 hrs	
Neo-Synephrine	----	----	----
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	35,000	----	----

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	0.000	- 0.012
Cut-off values	20	5	0.01	0.02

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	7.27	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	1	1	Class II	DR	10	17
	B	8	57		DR51	N-Negative	N-Negative
	C	06	07		DR52	3 *01	N-Negative
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	2	5
			DQA1		01	05	
			DPB1		04:01	13:01	
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	Non- Reactive	✓	-
HbsAg	Non- Reactive	✓	-
HCV Ab	Non- Reactive	✓	-
HIV I/II	Non- Reactive	✓	-
Syphilis	Non- Reactive	✓	-
Procleix Ultrio	-	-	-
Ultrio (Elite) HBV	Non- Reactive	✓	-
Ultrio (Elite) HCV	Non- Reactive	✓	-
Ultrio (Elite) HIV	Non- Reactive	✓	-
Toxoplasma Ab	Negative	✓	-
SARS-COV-02	Not detected	✓	-

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	139	157	155
Creatinine (<1.5)	1.2	1.2	0.7
Glucose (mg/dL) (60-150)	324	324	219
HbA1C%	6.3	----	----
Total bilirubin (0-1.0)	0.2	0.3	0.2
SGOT (AST) (0-40)	156	176	76
SGPT (ALT) (5-35)	114	114	46
Alkaline phosphatase (45-110)	83	83	63
Serum Amylase (23-851)	11	13	13
Serum Lipase (0-80)	37	39	32
WBC (THO/uL) (4.5-11.0)	11.4	11.4	9.2
Hgb (g/dL) (12-16)	12.8	14.2	10.2
Platelets (THO/uL) (150-350)	283	283	142
INR (<2.0)	1	1.3	1.2

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive (300)	Positive	Positive(>1000 x3)	Positive (70)

Medications During Hospitalization

Steroids**	Yes	Solumedrol
Diuretics	----	
T3 Protocol	----	
T4 Protocol*	Yes	
Insulin**	----	
Antihypertensive	Yes	
Vasodilators	yes	
DDAVP**	yes	
Total parenteral nutrition	----	
Other	Labetalol, Unasyn	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