

HPAP-078 Donor Summary



HPAP	078	UNOS	
Recovery OPO	TXGC- LifeGift Organ Donation Ctr	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>
Age (years)	14 Month	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	167 Hours 50 Mins.
ABO (Rh)	O+	Cross Clamp Time	12/28/2020 21:51
BMI (Kg/m ²) Weight (kg) Height (cm)	20.453 11.2 74	Cold Ischemia Time*	<input type="text"/> Hours <input type="text"/> 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 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"/> 25 minutes No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text"/> Hours <input type="text"/> Mins.
CPR / Time	Yes <input checked="" type="checkbox"/> 15 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	25 minutes	Blood Culture	No growth
Date /Time of Admission	12/21/2020 22:01	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	1. atelectasis and/or infiltrate in the right mid and lower lung 2. small right pleural effusion

*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	T1DM	Unknown	-----	-----
History of cancer	-----	-----	-----	-----
CAD	-----	-----	-----	-----
Hypertension	-----	-----	-----	-----
Hyperlipidemia	-----	-----	-----	-----
Autoimmune disease	-----	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	None			
Comments:	Medical Hx: Recent yeast infection that treated with vaginal cream Family Hx: Father had history of diabetes Social Hx: Mother has used (snorted) cocaine 20 years ago on weekends for 1 year			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	114/54	
Average Low BP During Hospitalization	70/33	Duration: 15 minutes
Average BP in OR (mmHg)	90/50	
Average Low BP in OR (mmHg)	68/44	Duration: 2 minutes
Average HR in OR (bpm)	124	
ABG-pH range	7.28 – 7.53	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	1-5 PRBC and whole	180
Platelets	-----	X2	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	0.2 units/hr started 6 days before organ recovery for the duration of 96:28 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	-----	8 miliunits/hr	-----
Neo-Syneprine (phenylephrine)	-----	-----	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	4,800	-----
Rocuronium	-----	10 mg	-----

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	202	3	0.041	0.001
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.54	ND

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	3	Class II	DR	1	17
	B	62	39		DR51	N-Negative	N-Negative
	C	09	07		DR52	N-Negative	52
	Bw4	Negative			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	2	5
			DQA1		01	05	
			DPB1		02:01	04:01`	
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	A	02:01	03:01	Class II	DRB1	03:01	01:01
	B	15:01	39:06		DRB3	01:01	
	C	03:03	07:02		DRB4		
					DRB5		
					DQB1	02:01	05:01
					DQA1	05:01	01:01
					DPB1	02:01	04:01
					DPA1	01:03	

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Negative	✓	-----
EBV IgM	Negative	✓	-----
CMV	Negative	✓	-----
HBcAb	Negative	✓	-----
HBsAg	Negative	✓	-----
HCV Ab	Negative	✓	-----
HIV I/II	Negative	✓	-----
Syphilis	Negative	✓	-----
Procleix Ultrio	-----	-----	-----
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)	156	173	145
Creatinine (<1.5)	0.3	4	0.3
Glucose (mg/dL) (60-150)	140	383	165
HbA1C%	10.4	---	---
Total bilirubin (0-1.0)	0.5	0.8	0.3
SGOT (AST) (0-40)	649	994	482
SGPT (ALT) (5-35)	42	53	36
Alkaline phosphatase (45-110)	249	382	266
Serum Amylase (23-851)	---	---	---
Serum Lipase (0-80)	111	---	---
WBC (THO/uL) (4.5-11.0)	9.5	9.5	3.5
Hgb (g/dL) (12-16)	11	11.2	7.1
Platelets (THO/uL) (150-350)	360	360	105
INR (<2.0)	1.31	1.31	1.28

Urinalysis

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

Medications During Hospitalization

Steroids**	-----
Diuretics	-----
T3 Protocol	-----
T4 Protocol*	-----
Insulin**	PRN administration of 0.03 unit/hr for the duration of 189:51 hrs.
Antihypertensive	-----
Vasodilators	-----
DDAVP**	yes
Total parenteral nutrition	-----
Other	Famotidine, Ceftriaxone, Fentanyl Desmopressin, Mupirocin, Vecuronium
	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