

HPAP-068 Donor Summary



HPAP	068	UNOS		
Recovery OPO	LOPA - Louisiana Organ Procurement Agency	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	20	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	203 Hours 23 Mins.	
ABO (Rh)	O+	Cross Clamp Time	09/11/2020 00:48 CDT	
BMI (Kg/m²)	30.854	Cold Ischemia Time*	<div> <div>Hours</div> <div>Mins.</div> </div> No Islet Isolation	
Weight (kg)	185			
Height (cm)	165			
Cause of Death	Anoxia	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input 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"/> No <input type="checkbox"/> --- minutes	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<div> <div>Hours</div> <div>Mins.</div> </div> Not Available	
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> --- 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		Blood Culture	No Growth	
Date /Time of Admission	09/02/2020 13:25 CDT	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		Acute Lung Injury	Small bilateral pleural effusion with adjacent bibasilar atelectasis	

*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	T1D	13 years	On Insulin pump , then she went to Insulin pen	No
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:	No			
Comments:	-History of kidneys infection now and again last infection was 2 months ago -Paternal grandmother, paternal great grandmother, grandfathers, paternal great aunt had diabetes, paternal grandmother had history of CAD - faint heart murmur discovered 6-7 years ago; heart attack this admission -fever 6 weeks ago due to strep throat swollen lymph nodes in her neck -ongoing rash from 2018-present due to genital herpes -55 lb weight loss from 2016 to present -severe headaches due to DKA episodes			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	123/71	
Average Low BP During Hospitalization	77/47	Duration: 1 min
Average BP in OR (mmHg)	130/60	
Average Low BP in OR (mmHg)	100/40	Duration: 1 M
Average HR in OR (bpm)	95	
ABG-pH range	7.31 – 7.55	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----	----	----
PRBCs	350	ml	350
Platelets	----	----	----
Norepinephrine (Levophed)		0.1-3 mcg/kg/min started 8 days before organ recovery for the duration of 177:46 hrs	
Vasopressin	----	----	----
Neo-Syneprine		1-6 mcg/kg/min started 8 days before organ recovery for the duration of 46:15 hrs	
Epinephrine	----	5 rounds of epi while in route prior to hospital arrival, 8 days before organ recovery	

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Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----

Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	-----
PRBCs	-----	-----	-----
Platelets	-----	-----	-----
Norepinephrine (Levophed)	-----	-----	-----
Vasopressin	-----	-----	-----
Neo-Synephrine (phenylephrine)		500 mg	-----
Epinephrine	-----	-----	-----
Dopamine	-----	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
NA	NA

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	37	18	0.212	-0.004
Cut-off values	20	5	0.01	0.02

*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	11	24	Class II	DR	01:03	01:03
	B	35	39		DR51	N-Negative	N-Negative
	C	04	07		DR52	N-Negative	N-Negative
	Bw4	Negative			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	5	5
					DQA1	01	01
					DPB1	02:01	14:01

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Comment:

Confirmatory HLA (UPENN)*

Class 1	A	11:01	24:02	Class II	DRB1	01:03	-----
	B	35:01	39:06		DRB3	-----	-----
	C	04:01	07:02		DRB4	-----	-----
					DRB5	-----	-----
					DQB1	05:01	-----
					DQA1	01:01	-----
					DPB1	02:01	14:01
					DPA1	01:03	02:01

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Negative	✓	-
EBV IgM	-	-	-
CMV (Total)	Non-Reactive	✓	-
HBcAb	Non-Reactive	✓	-
HBsAg	Non-Reactive	✓	-
HCV Ab	Non-Reactive	✓	-
HIV I/II	Non-Reactive	✓	-
Syphilis	Non-Reactive	✓	-
Procleix Ultrio	-	-	-
Ultrio HBV	Non-Reactive	✓	-
Ultrio HCV	Non-Reactive	✓	-
Ultrio HIV	Non-Reactive	✓	-
Toxoplasma Ab	Negative	✓	-
West Nile NAT	Non-Reactive	✓	-
SARS-COV-02	Not detected	✓	-



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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	137	159	145
Creatinine (<1.5)	2.3	4.8	4.5
Glucose (mg/dL) (60-150)	1538	1538	110
HbA1C%	13.9	-	-
Total bilirubin (0-1.0)	1.4	1.4	0.7
SGOT (AST) (0-40)	177	471	66
SGPT (ALT) (5-35)	68	165	51
Alkaline phosphatase (45-110)	182	344	276
Serum Amylase (23-851)	72	72	55
Serum Lipase (0-80)	257	257	207
WBC (THO/uL) (4.5-11.0)	42.71	42.71	10.16
Hgb (g/dL) (12-16)	9.4	9.4	6.7
Platelets (THO/uL) (150-350)	418	418	74
INR (<2.0)	1.1	1.1	1.1

Urinalysis

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

Medications During Hospitalization

Steroids**	Solumedrol 50 - 300mg q8h started 8 days before organ recovery		
Diuretics	Lasix 40 - 80 mg started 5 days before organ recovery		
T3 Protocol	-----		
T4 Protocol*	-----		
Insulin**	6 units started 8 days before organ recovery		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Vibramycin, Zosyn, Levalbutrol, Vanc, Rocephin, Fluconazol, 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