

HPAP021 Donor Summary



HPAP	021	UNOS		
Recovery OPO	Southwest Transplant Alliance (TXSB), TX	Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	13	DCD	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Race	Caucasian	DBD	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
Sex	M <input type="checkbox"/> F <input checked="" type="checkbox"/>	Admission to Cross Clamp	116 Hours 19 Mins.	
ABO (Rh)	A1 (+)	Cross Clamp Time	03/11/2018 @ 21:48CST 03/11/2018 @ 22:48 EST	
BMI (Kg/m²)	21.42	Cold Ischemia Time*	16 Hours 49 Mins.	
Cause of Death	Anoxia	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	Cardiovascular DKA/IDDM	Organs Recovered	Heart <input checked="" type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/>	Kidney <input checked="" type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input checked="" type="checkbox"/> 45 minutes No <input type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<div> <div>Hours</div> <div>Mins.</div> </div> Liver not recovered.	
CPR / Time	Yes <input checked="" type="checkbox"/> 45 minutes No <input type="checkbox"/>	Organs Discarded	Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/>	Kidney <input type="checkbox"/> Pancreas <input type="checkbox"/> Intestine <input type="checkbox"/>
Total Est. Downtime	45 minutes	Blood Culture	No growth	
Date /Time of Admission	03/07/2018 @ 01:29 CST 03/07/2018 @ 02:29 EST	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
		Acute Lung Injury	No ARDS	

*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	7 years	Insulin (Tresiba, Novolog)	
History of cancer	None	-----	-----	-----
CAD	None	-----	-----	-----
Hypertension	None	-----	-----	-----
Hyperlipidemia	None	-----	-----	-----
Autoimmune disease	None	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/> T2DM	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	None			
Comments:	Diagnosis of dyslexia and ADHD in 2015			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	123/88	
Average Low BP During Hospitalization	82/46	Duration: 60 min.
Average BP in OR (mmHg)	110/60	
Average Low BP in OR (mmHg)	77/43	Duration: 5 min.
Average HR in OR (bpm)	112	
ABG-pH range	6.93 –7.51	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	-----	566
PRBCs	-----	-----	318.00
Platelets	-----	-----	1,000.00
Norepinephrine (Levophed)	0.3mcg/kg/min titrated for 63 hours		
Vasopressin	0.3-1mu/kg/min titrated for 62 hours 30 minutes		
Neo-Syneprine	0.3 mcg/kg/min titrated for 17 hours		
Epinephrine	0.18 mcg/kg/min titrated for 66 hours		
Phenylephrine	-----	-----	-----
Dopamine	-----	-----	-----
Insulin	Multiple single doses and drip for 3 days during hospitalization.		

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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	-----

Initial Autoantibody Screening (nPOD): ELISA

GAD-65	IA-2
Negative	Negative

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	0	0	0.487	-0.008
Cut-off values	20	5	0.010	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	2	3	Class II	DR	1	4
	B	7	44		DR51	Negative	Negative
	C	05	07		DR52	Negative	Negative
	Bw4	Positive			DR53	53	-----
	Bw6	Positive			DQB1	5	8
			DQA1		01	03	
			DPB1		06:01	10:01	
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	A	02:01	03:01	Class II	DRB1	01:01	04:01
	B	07:02	44:02		DRB3	-----	-----
	C	05:01	07:02		DRB4	-----	01:03
					DRB5	-----	-----
					DQB1	03:02	05:01
					DQA1	01:01	03:03
					DPB1	06:01	10:01
					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	Yes	-----
EBV IgM	Negative	Yes	-----
CMV	Negative	Yes	-----
HBcAb	Negative	Yes	-----
HBsAg	Negative	Yes	-----
HCV Ab	Negative	Yes	-----
HIV I/II	Negative	Yes	-----
Syphilis	Negative	Yes	-----
Procleix Ultrio	ND	-----	-----
Ultrio HBV	Negative	Yes	-----
Ultrio HCV	Negative	Yes	-----
Ultrio HIV	Negative	Yes	-----
Toxoplasma Ab	Negative	Yes	-----

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (140-160)	132	156	156
Creatinine (<1.5)	3.55	7.61	7.61
Glucose (mg/dL) (60-150)	616	696	474
HbA1C%	ND	-----	-----
Total bilirubin (0-1.0)	0.2	0.4	0.3
SGOT (AST) (0-40)	178	968	450
SGPT (ALT) (5-35)	76	196	54
Alkaline phosphatase (45-110)	208	208	164
Serum Amylase (23-851)	182	192	102
Serum Lipase (0-80)	29	29	27
WBC (THO/uL) (4.5-11.0)	19.2	19.2	4.7
Hgb (g/dL) (12-16)	11.9	11.9	9.6
Platelets (THO/uL) (150-350)	269	269	117
INR (<2.0)	2.2	2.2	1.5

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive (3+)	Positive (2+)	Positive (2+)	Positive (2+)
Ketones	Positive (3+)	Negative	Positive (1+)	Negative

Medications During Hospitalization

Steroids**	-----
Diuretics	Bumex, Diuril
T3 Protocol	-----
T4 Protocol*	Yes – started 2 days prior to Organ Recovery
Insulin**	Single dose and drip for 3 days during admission
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