

HPAP-113 Donor Summary



HPAP	113	UNOS	
Recovery OPO	WALC- LifeCenter Northwest	Allocation Via	UPENN <input type="checkbox"/> nPOD <input type="checkbox"/>
Age (years)	9	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 checked="" type="checkbox"/> F <input type="checkbox"/>	Admission to Cross Clamp	118 Hours 59 Mins.
ABO (Rh)	O Positive	Cross Clamp Time	01/15/2022 14:09
BMI (Kg/m²)	15.917	Cold Ischemia Time*	21 Hours 10 Mins.
Weight (kg)	26.9000		
Height (cm)	130.00		
Cause of Death	Anoxia	Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input checked="" type="checkbox"/> Flushing: UW Storage: HTK
Mechanism of Injury	DEATH FROM NATURAL CAUSES	Organs Recovered	Heart <input type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <input type="checkbox"/> Intestine <input type="checkbox"/>
Cardiac Arrest/Downtime	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="checkbox"/> Hours <input type="checkbox"/> Mins. NA
CPR / Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 2 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	2 minutes	Blood Culture	No growth to date
Date /Time of Admission	01/10/2022 15:10	PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Acute Lung Injury	Increased hazy right infrahilar atelectasis, No pneumothorax

*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	Recent-DKA	never received treatment	----
History of cancer	----	----	----	----
CAD	----	----	----	----
Hypertension	----	----	----	----
Hyperlipidemia	----	----	----	----
Autoimmune disease	----	----	----	----
Family History	CAD <input type="checkbox"/>	Diabetes <input checked="" type="checkbox"/> Maternal Grandfather, Type 2 Diabetes	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	Under right eye stitches			
Comments:	Medical Hx: Diabetes for unknown number of years, ADHD, dog bite on the face, no suspicion of rabies or test was done, Diarrhea reported 4 days prior to admission, Severe headache one day prior to hospitalization Medication Hx: ADHD PER H&P Family history: NKA, pt has numerous male relatives w type I DM			

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	106/64	
Average Low BP During Hospitalization	90/42	Duration: 5m – 1H
Average BP in OR (mmHg)	NA	
Average Low BP in OR (mmHg)	NA	Duration: NA
Average HR in OR (bpm)	NA	
ABG-pH range	7.02-7.49	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----	----	----
PRBCs	270	1 - 5 PRBC and whole	270
Platelets	----	----	----
Norepinephrine (Levophed)	----	0.02 MCG/KG/MIN started 118:53 hrs. before organ recovery for the duration of 71:14 hrs.	
Vasopressin	----	ongoing 0.002 UNITS/HR started 115:13 hrs. before organ recovery	
Neo-Syneprine	----	----	----
Epinephrine	----	0.2 MCG/KG/MIN started 115:13 hrs. before organ recovery for the duration of 17:52 hrs.	
Phenylephrine	----	----	----
Dopamine	----	----	----



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Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	NA	NA	NA
PRBCs	NA	NA	NA
Platelets	NA	NA	NA
Norepinephrine (Levophed)	NA	NA	NA
Vasopressin	NA	NA	NA
Neo-Syneprine (phenylephrine)	NA	NA	NA
Epinephrine	NA	NA	NA
Dopamine	NA	NA	NA
Heparin	-----	700	-----

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	0	0	0.000	0.137
Cut-off values	20	5	0.01	0.02

*Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	0.06	NA

*Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	A	2	31	Class II	DR	17	8
	B	18	14		DR51	N-Negative	N-Negative
	C	05	07		DR52	52	N-Negative
	Bw4	Positive			DR53	N-Negative	N-Negative
	Bw6	Positive			DQB1	2	4
			DQA1		04	05	
			DPB1		01:01	02:01	
Comment:							

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Confirmatory HLA (UPENN)*

Class 1	A	02:01	31:01	Class II	DRB1	03:01	08:01
	B	18:01	44:02		DRB3	01:01	-----
	C	05:01	07:01		DRB4	-----	-----
					DRB5	-----	-----
					DQB1	02:01	04:02
					DQA1	04:01	05:01
					DPB1	01:01	02:01
					DPA1	01:03	02:01

*HLA typing performed using NGS

Infectious Disease Serology

Test	Result	Hemo/Plasma Dilution Status	
		Qualified	Non-Qualified
EBV IgG	Positive	✓	-
EBV IgM	Not Done	-	-
EBNA	Positive	✓	-
CMV	Negative	✓	-
HBcAb	Negative	✓	-
HBsAg	Negative	✓	-
HCV Ab	Negative	✓	-
HIV I/II	Not Done	✓	-
Syphilis	Negative	✓	-
Procleix Ultrio	Not Done	-	-
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)	141	175	134
Creatinine (<1.5)	0.46	0.69	0.32
Glucose (mg/dL) (60-150)	378	403	134
HbA1C%	11.1	-----	-----
Total bilirubin (0-1.0)	0.2	0.7	0.4
SGOT (AST) (0-40)	28	583	275
SGPT (ALT) (5-35)	21	204	184
Alkaline phosphatase (45-110)	371	371	284
Serum Amylase (23-851)	97	97	64
Serum Lipase (0-80)	44	44	32
WBC (THO/uL) (4.5-11.0)	34.08	34.08	12.34
Hgb (g/dL) (12-16)	14.5	14.5	9.3
Platelets (THO/uL) (150-350)	278	278	141
INR (<2.0)	1.1	1.1	1

Urinalysis

	1 st	2 nd	3 rd	4 th	5 th	6 th
Glucose	Positive:>500	Positive:>500	Positive:>500	Positive:>500	Positive:>500	Positive:>500

Medications During Hospitalization

Steroids**	Solu-Medrol		
Diuretics	Lasix		
T3 Protocol	-----		
T4 Protocol*	-----		
Insulin**	yes, Started 125:09 hrs. before organ recovery		
Antihypertensive	-----		
Vasodilators	-----		
DDAVP**	-----		
Total parenteral nutrition	-----		
Other	Arginine vasopressin, Zosyn, Albuterol, Glycopyrrolate	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