

HPAP016 Donor Summary



HPAP		016	UNOS		
Recovery OPO	Nevada Donor Network, LV		Allocation Via	UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/>	
Age (years)	30		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 checked="" type="checkbox"/> F <input type="checkbox"/>		Admission to Cross Clamp	97 Hours 11 Mins.	
ABO (Rh)	O+		Cross Clamp Time	09/13/2017 @ 08:41 PST 09/13/2017 11:41 EST	
BMI (Kg/m²)	25.208		Cold Ischemia Time*	20 Hours 52 Mins.	
Cause of Death	Head Trauma		Preservation Solution	UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/>	
Mechanism of Injury	ICH Stroke		Organs Recovered	Heart <input checked="" type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input checked="" type="checkbox"/> Pancreas <input checked="" type="checkbox"/> Liver <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>	
Cardiac Arrest/Downtime	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:	<input type="text"/> Hours <input type="text"/> Mins. Not Recorded – liver for research.	
CPR / Time	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Organs Discarded Liver recovered for research	Heart <input type="checkbox"/> Kidney <input type="checkbox"/> Lung <input type="checkbox"/> Pancreas <input type="checkbox"/> Liver <input checked="" type="checkbox"/> Intestine <input type="checkbox"/>	
Total Est. Downtime	-----		Blood Culture	No Growth	
Date /Time of Admission	09/09/2017 @ 4:30 PST 09/09/2017 @ 7:30 EST		PHS High Risk	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
			Acute Lung Injury	Bilateral lower lobe atelectasis – 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	None	-----	-----	-----
History of cancer	None	-----	-----	-----
CAD	None	-----	-----	-----
Hypertension	Not Known		-----	-----
Hyperlipidemia	Not Known		-----	-----
Autoimmune disease	None	-----	-----	-----
Family History	CAD <input type="checkbox"/>	Diabetes <input type="checkbox"/>	Auto immune disease <input type="checkbox"/>	Others:
Surgical History:	<ul style="list-style-type: none"> • Left MCL repair \approx 5-6 years ago • Craniotomy and surgical drainage of large subdural hemorrhage on current admission (09/09/2017) • On Methadone for previous addiction • Heavy alcohol consumption (1/2 liter vodka daily) • Admission CT shows hepatic steatosis (severe). 			
Comments:				

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	146/86	
Average Low BP During Hospitalization	-----	Duration: -----
Average BP in OR (mmHg)	120/82	
Average Low BP in OR (mmHg)	90/52	Duration: 10 min.
Average HR in OR (bpm)	110	
ABG-pH range	7.23 ---7.52	

**INTERVENTION****Blood Products/Meds Transfused Before Organ Recovery**

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	-----	4	-----
PRBCs	Probably none – medical records not clear.		
Platelets	-----	5	-----
Norepinephrine (Levophed)	-----	15mcg/min for 9 hours	
Vasopressin	Component of T4 protocol started d (-3) before OR		
Neo-Synephrine	-----	300mcg/min for ≈ 24 hours	
Epinephrine	None	-----	-----
Phenylephrine	None	-----	-----
Dopamine	-----	10 mcg/Kg/min for 1 hour	

Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
HESPAN	600	-----	600
PRBCs	None	-----	-----
Platelets	None	-----	-----
Norepinephrine (Levophed)	-----	15mcg/min for 9 hours	
Vasopressin	Component of T4 protocol started d(-3) before OR		
Neo-Synephrine (phenylephrine)	-----	100 mcg/min single dose	
Epinephrine	None	-----	-----
Dopamine	None	-----	-----
Heparin	-----	30,000	-----

Initial Autoantibody Screening (nPOD):

GAD-65	IA-2
Positive	Negative

Confirmatory results (University of Florida) *

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)	C-peptide (ng/ml)	Proinsulin
Results	114	49	0.000	0.023	4.49	ND
Cut-off values	20	5	0.010	0.020	-----	-----

*Sample obtained at time of organ recovery

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HLA (OPO)*

Class 1	A	2	11	Class II	DRB1	4	7
	B	44	44		DR51	Negative	
	C	5	16		DR52	Negative	
	Bw4	Positive			DR53	53	
	BW6	Negative			DQB1	2	8
					DQA1	02	03
					DPB1	04:01	11:01
Comment:					DPA1	01	02

*Methodology:RT-PCR

Confirmatory HLA (UPENN)*

Class 1	A	02:01	11:01	Class II	DRB1	04:01	07:01
	B	44:02	44:03		DRB3	-----	-----
	C	05:01	16:01		DRB4	01:01	01:03
					DRB5	-----	-----
					DQB1	02:02	03:02
					DQA1	02:01	03:01
					DPB1	04:01	11:01
					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	Yes	-----
EBV IgM	Negative	Yes	-----
CMV IgG	Positive	Yes	-----
CMV IgM	Negative	Yes	-----
HBcAb	Non-Reactive	Yes	-----
HBsAg	Non-Reactive	Yes	-----
HCV Ab	Non-Reactive	Yes	-----
HIV I/II	Non-Reactive	Yes	-----
Syphilis	Non-Reactive	Yes	-----
Procleix Ultrio	-----	-----	-----
Ultrio HBV	Non-Reactive	Yes	-----
Ultrio HCV	Non-Reactive	Yes	-----
Ultrio HIV	Non-Reactive	Yes	-----
Toxoplasma Ab	Negative	Yes	-----

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Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L)	136	172	157
Creatinine	0.68	2.57	2.57
Glucose (mg/dL)	185	282	178
HbA1C%	5.00	-----	-----
Total bilirubin (mg/dl)	15.5	24.4	24.4
SGOT (AST) (u/L)	1013	1013	314
SGPT (ALT) (u/L)	234	234	33
Alkaline phosphatase (u/L)	367	367	175
Serum Amylase (u/L)	5.0	5.0	2
Serum Lipase (u/L)	247	247	20
WBC (THO/uL)	7.1	9.6	6.5
Hgb (g/dL)	13.9	13.9	9.0
Platelets (THO/uL)	99	134	109
INR	1.4	2.4	1.3

Urinalysis

	1 st	2 nd	3 rd	4 th
Glucose	Positive (100)	Positive (100)	Negative	

Medications During Hospitalization

Steroids**	Probably none – Medical records not clear		
Diuretics	Lasix & Bumex		
T3 Protocol	None		
T4 Protocol*	Yes – started d(-3) before OR & continued in OR		
Insulin**	None		
Antihypertensive	None		
Vasodilators	None		
DDAVP**	None		
Total parenteral nutrition	None		
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