HPAP018 Donor Summary

HPAP	018	**UNOS**	
Recovery OPO	GLDP	**Allocation Via**	UPENN ☒ nPOD ☐
Age (years)	31	**DCD**	YES ☐ NO ☒
Race	Hispanic	**DBD**	YES ☒ NO ☐
Sex	M ☒ F☐	**Admission to Cross Clamp**	74 Hours 18 Mins.
ABO (Rh)	A+ (A1 subtype)	**Cross Clamp Time**	11/15/2017 @ 20:07 EST
BMI (Kg/m^2)	24.47	**Cold Ischemia Time***	14 Hours 43 Mins.
Cause of Death	Head Trauma	**Preservation Solution**	UW ☒ HTK☐
Mechanism of Injury	GSW (Suicide)	**Organs Recovered**	Heart ☒ Kidney ☒ Lung ☒ Pancreas ☒ Liver ☒ Intestine ☐
Cardiac Arrest/Downtime	Yes ☐ No ☒	**Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:**	0 Hours 30 Mins.
CPR / Time	Yes ☐ No ☒	**Organs Discarded**	Heart ☐ Kidney ☐ Lung ☐ Pancreas ☐ Liver ☐ Intestine ☐
Total Est. Downtime	None	**Blood Culture**	No Growth
Date /Time of Admission	11/12/2017 @17:49 EST	**PHS High Risk**	YES ☐ NO ☒
		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	None	----------	----------	----------
History of cancer	None	----------	----------	----------
CAD	None	----------	----------	----------
Hypertension	None	----------	----------	----------
Hyperlipidemia	Not Known	----------	----------	----------
Autoimmune disease	Not Known	----------	----------	----------
Family History	CAD ☐	Diabetes ☐	Auto immune disease ☐	Others:
Surgical History:	Knee surgery 2015			
Comments:				

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	130/80	
Average Low BP During Hospitalization	113/42	**Duration: 5 mins.**
Average BP in OR (mmHg)	120/80	
Average Low BP in OR (mmHg)	95/60	**Duration: 1 minute**
Average HR in OR (bpm)	85	
ABG-pH range	7.22 ----7.46 (7.41 in OR)	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	800	2	1600
PRBCs	1,415	----------	1,415
Platelets	242	----------	242
Norepinephrine (Levophed)			
Vasopressin	Component of T4 protocol –started d (-1) before OR		
Neo-Synephrine	----------	----------	----------
Epinephrine	----------	----------	----------
Phenylephrine	Started d(-1) before OR @ 20mcg/min.		
Dopamine			

Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma	----------	----------	----------
PRBCs	730	----------	730

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Platelets	226	----------	226
Norepinephrine (Levophed)	None	----------	----------
Vasopressin	Component of T4 Protocol @ 40mcq/hr		
Neo-Synephrine (phenylephrine)	None	----------	----------
Epinephrine	None	----------	----------
Dopamine	None	----------	----------
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	2	0	0.001	-0.007
Cut-off values	20	5	0.010	0.020

*Sample obtained at time of organ recovery **Initial values indicated mIAA+ (2.018/0.010). In two independent testing the mIAA was negative.

	C-peptide (ng/ml)	Proinsulin
Results	6.4	ND

*Sample obtained at time of organ recovery

HLA (OPO)*

Class 1	**A**	24	2403	**Class II**	**DR**	7	13
	B	63	44		**DR51**	Negative	
	C	07	16		**DR52**	52	(Positive)
	Bw4	Positive			**DR53**	53	(Positive)
	Bw6	Negative			**DQB**	2	6
	[redacted]				**DQA**	01	02
					DPB	10:01	14:01
Comment:							

*Methodology:RT-PCR

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Confirmatory HLA (UPENN)*

Class 1	**A**	24:02	24:03	**Class II**	**DRB1**	13:02	07:01
	B	15:17	44:03		**DRB3**	03:01	
	C	07:01	16.01		**DRB4**	-------	01:01
					DRB5	-------	-------
					DQB1	02:02	06:04
					DQA1	01:02	02:01
					DPB1	10:01	14:01
					DPA1	02:01	-------

*HLA typing performed using NGS

Infectious Disease Serology

		Hemo/Plasma Dilution Status	
Test	**Result**	**Qualified**	**Non-Qualified**
EBV IgG	Positive	Yes	----------
EBV IgM	Negative	Yes	----------
CMV	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	ND	----------	----------
Ultrio HBV	Non-Reactive	Yes	----------
Ultrio HCV	Non-Reactive	Yes	----------
Ultrio HIV	Non-Reactive	Yes	----------
Toxoplasma Ab	Negative	Yes	----------

Laboratory Panel

	Initial	**Peak**	**Terminal**
Na (mEq/L) (135-145)	137	169	149
Creatinine (<1.5)	0.8	1.4	1.3
Glucose (mg/dL) (60-150)	135	260	226
HbA1C%	5.4	----------	----------
Total bilirubin (<1.5)	1.9	3.1	2.3
SGOT (AST) (0-4)	126	126	80
SGPT (ALT) (5-35)	28	31	30
Alkaline phosphatase (45-110)	44	44	37
Serum Amylase (23-851)	118	1154	326

Serum Lipase (u/L)	12	13	13
WBC (THO/uL) (4.5-11.0)	11.4	30.2	19.4
Hgb (g/dL) (12-16)	12.9	12.9	8.7
Platelets (THO/uL) (150-350)	246	246	59
INR (<2.0)	1.23	2.48	1.22

Urinalysis

	1st	2nd	3rd	4th
Glucose	Negative	Negative	500	----------

Medications During Hospitalization

Steroids**	----------		
Diuretics	Lasix 20 mg d (-1) before OR		
T3 Protocol	----------		
T4 Protocol*	Started d(-1) before OR and continued in OR @ 40 mcg/hr		
Insulin**	----------		
Antihypertensive	----------		
Vasodilators	----------		
DDAVP**	None		
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