



Recovery OPO GIFT of LIFE Donor Program Age (years) 50 DCD YES □ NO ☒ Race Caucasian DBD YES ☒ NO □ Sex M ☒ F□ Admission to Cross Clamp ABO (Rh) O + Cross Clamp Time 4 Hoight (kg) 117 Height (cm) 182.88 Cause of Death Anoxia Preservation Solution: Solution: Solution: Cardiac Arrest/Downtime Arrest/Downtime CPR / Time Yes ☒ No □ Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity: CPR / Time Total Est. Downtime Unknown Date / Time of Admission Admission Acute Lung Injury Bibasilar opacities greater in left lung possibility of atypical infection such as COVID	-			1		
Age (years) 50 DCD YES NO □ Race Caucasian DBD YES NO □ Sex M □ F□ Admission to Cross Clamp ABO (Rh) O+ Cross Clamp Time 04/28/2021 06:26 BMI (Kg/m²) 34.98 Cold Ischemia Time³ Height (cm) 182.88 Cause of Death Anoxia Preservation Solution: Storage/Viaspan/SPS-1 Mechanism of Injury Drug Intoxication Organs Recovered Heart □ Kidney □ Pancreas □ Intestine □ Cardiac Arrest/Downtime No □ Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity: CPR / Time Yes □ Organs Discarded Heart □ Kidney □ Pancreas □ Intestine □ Intentine Int	HPAP	093	UNOS			
Race Caucasian DBD YES ⊗ NO □ Sex M ⊗ F□ Admission to Cross 135 Hours 09 Mins. Clamp O4/28/2021 06:26 BMI (Kg/m²) 34.98 Cold Ischemia Time* 6 Hours 58 Mins. Height (kg) 117 Time* 182.88 Cause of Death Anoxia Preservation Storage/Viaspan/SPS-1 Mechanism of Injury Drug Intoxication Organs Recovered Heart ⊗ Kidney ⊗ Lung ⊗ Pancreas ⊗ Liver ⊗ Intestine □ Cardiac Yes ⊗ Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity: O Hours 36 Mins. CPR / Time Yes ⊗ Organs Discarded Heart Kidney Pancreas □ Liver Intestine □ Total Est. Downtime Unknown Blood Culture No Growth Date / Time of O4/22/2021 15:17 EST PHS High Risk YES NO □ Acute Lung Injury Bibasilar opacities greater in left lung suspicious for bibasilar pneumonia and Probable mild left pleural effusion. Ground glass densities at the periphery of the left lung possibility	Recovery OPO		Allocation Via	UPENN ⊠	nPOD 🗆	
Sex	Age (years)	50	DCD	YES 🗆 NO	O 🗵	
ABO (Rh) O + Cross Clamp Time O4/28/2021 06:26 BMI (Kg/m²) Weight (kg) 117 Height (cm) 182.88 Cause of Death Anoxia Preservation Solution: Organs Recovered Heart Skidney Pancreas Sliver Spancreas removal from the peritoneal cavity: CPR / Time Yes ⊠ No □ 15-20 minutes Clamp Cold Ischemia Time* Old Ischemia Time* Old Intra	Race	Caucasian	DBD	YES 🗵 NO	O 🗆	
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Arrest/Downtime No	Cardiac	Yes ⊠	Intraoperative time			
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^{*}Cold Ischemia time is calculated from time of cross clamp to start of enzyme perfusion for islet isolation.



Medical History:

		Duration	Medications	Compliance	
Type of Diabetes					
History of cancer					
CAD					
Hypertension					
Hyperlipidemia					
Autoimmune disease					
Family History	CAD □	Diabetes 🗆	Auto immune disease □	Others:	
Surgical History:	ACL repair, back surgery, Pectoralis excavatum repair w median sternotomy				
Comments:	Medical Hx: MRSA in the nares, Asthma, Pneumonitis, reactive airway disease				
	Medications Hx: Steroid for 1 month, Albuterol and Symbicort since childhood				
	Social Hx:	social alcohol,	Opiate & Benzo use, chew tobac	co	

Hemodynamic Profile

Average BP During Hospitalization (mmHg)	132/72	
Average Low BP During Hospitalization	85/52	Duration: 10-60 min
Average BP in OR (mmHg)	128/70	
Average Low BP in OR (mmHg)	88/52	Duration: 2 min.
Average HR in OR (bpm)	100	
ABG-pH range	7.03 – 7.395	

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

Product	Amount (ml)	Units	Total (ml)	
Fresh Frozen Plasma				
PRBCs				
Platelets				
Norepinephrine (Levophed)		0.04 mcg/kg/min started 5 days before organ		
		recoveery		
Vasopressin				
Neo-Synephrine				
Epinephrine				
Phenylephrine				
Dopamine				



Blood Products/Meds Transfused Intraoperative

Product	Amount (ml)	Units	Total (ml)
Fresh Frozen Plasma			
PRBCs			
Platelets			
Norepinephrine (Levophed)			
Vasopressin			
Neo-Synephrine (phenylephrine)		25 mcg/kg/min	
Epinephrine			
Dopamine			
Heparin		30,000	

Initial Autoantibody Screening (nPOD): ELISA

Not performed for HPAP-T2D program

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GAD-65	IA-2	

Confirmatory results: Radioimmuno Assay (RIA)

	GAD-65 (unit/ml)	IA-2 (unit/ml)	Insulin AAB (unit/ml)	ZnT8 (unit/ml)
Results	0	0	-0.003	-0.004
Cut-off values	20	5	0.010	0.020

^{*}Sample obtained at time of organ recovery.

	C-peptide (ng/ml)	Proinsulin
Results	18.4	NA

^{*}Sample obtained at time of organ recovery.

HLA (OPO)*

Class 1	Α	1	68	Class II	DR	1	17
	В	8	35		DR51	N-Negative	N-Negative
	С	04	07		DR52	52	52
	Bw4	Negative			DR53	N-Negative	N-Negative
	Bw6	Pos	itive		DQB1	2	5
					DQA1	01	05
					DPB1	02:01	02:01
Comment							





Confirmatory HLA (UPENN)*

Not performed for HPAP-T2D program

Class 1	Α		Class II	DRB1	
	В			DRB3	
	С			DRB4	
				DRB5	
				DQB1	
				DQA1	
				DPB1	
				DPA1	

^{*}HLA typing performed using NGS

Infectious Disease Serology

		Hemo/Plasma	a Dilution Status
Test	Result	Qualified	Non-Qualified
EBV IgG	Positive	✓	-
EBV IgM	Negative	✓	-
CMV	Negative	√	-
HBcAb	Non Reactive	√	-
HBsAg	Non Reactive	/	-
HCV Ab	Non Reactive	√	-
HIV I/II	Non Reactive	√	-
Syphilis	Non Reactive	1	-
Procleix Ultrio	ND	_	-
Ultrio HBV	Non Reactive	√	-
Ultrio HCV	Non Reactive	1	-
Ultrio HIV	Non Reactive	1	-
Toxoplasma Ab	Negative	1	-
SARS-CoV-2		1	-



Laboratory Panel

	Initial	Peak	Terminal
Na (mEq/L) (135-145)	144	160	147
Creatinine (<1.5)	0.9	2.5	1.8
Glucose (mg/dL) (60-150)	254	254	216
HbA1C%	4.9		
Total bilirubin (0-1.0)	0.3	1.6	0.7
SGOT (AST) (0-40)	44	298	105
SGPT (ALT) (5-35)	70	403	79
Alkaline phosphatase (45-110)	106	106	96
Serum Amylase (23-851)	24	24	18
Serum Lipase (0-80)	93	180	44
WBC (THO/uL) (4.5-11.0)	20	20	12.1
Hgb (g/dL) (12-16)	13.9	15.5	10.4
Platelets (THO/uL) (150-350)	251	251	80
INR (<2.0)	1.05	1.2	1.17

Urinalysis

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

Medications During Hospitalization

Steroids**				
Diuretics				
T3 Protocol				
T4 Protocol*				
Insulin**	10 units for the duration of 5 minutes.			
Antihypertensive				
Vasodilators				
DDAVP**	2 x 1 mcg for the duration of 11:38 hrs.			
Total parenteral nutrition				
Other	8.55-9.55 units/hr Heparin Sodium, 3.375 Zosyn, 2 units HumaLOG, 260 mg Phenobarbital, Magnesium Sulfate, Vancomycin, 3 mg Metoprolol, Heparin Sodium, Albuterol, 20 mEq Potassium Chloride, Sodium Bicarbonate, Calcium Chloride	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