# HPAP-083 Donor Summary

| | | | |
|---|---|---|---|
| *HPAP* | **083** | ***UNOS*** | |
| **Recovery OPO** | Gift of Life Donor Program | **Allocation Via** | UPENN ☒ nPOD ☐ |
| **Age (years)** | 45 | **DCD** | YES ☐ NO ☐ |
| **Race** | African American | **DBD** | YES ☒ NO ☐ |
| **Sex** | M ☒ F☐ | **Admission to Cross Clamp** | 119 Hours 24 Mins. |
| **ABO (Rh)** | A1+ | **Cross Clamp Time** | 02/04/2021 03:11 |
| **BMI (Kg/m$^2$)**<br>**Weight (kg)**<br>**Height (cm)** | 35.62<br>112.6<br>177.8 | **Cold Ischemia Time*** | 8 Hours 22 Min. |
| **Cause of Death** | Anoxia | **Preservation Solution** | UW ☒ HTK☐ |
| **Mechanism of Injury** | Cardiovascular | **Organs Recovered** | Heart ☒ Kidney ☒<br>Lung ☒ Pancreas ☒<br>Liver ☒ Intestine ☐ |
| **Cardiac Arrest/Downtime** | Yes ☒<br>No ☐ | **Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity:** | 1 Hours 18 Mins. |
| **CPR / Time** | Yes ☒<br>30 Minutes<br>No ☐ | **Organs Discarded** | Heart ☐ Kidney ☐<br>Lung ☐ Pancreas ☐<br>Liver ☐ Intestine ☐ |
| **Total Est. Downtime** | 30 Minutes | **Blood Culture** | No Growth |
| **Date /Time of Admission** | 01/30/2021 03:47 EST | **PHS High Risk** | YES ☐ NO ☒ |
| | | **Acute Lung Injury** | No |

***Cold Ischemia time is calculated from time of cross clamp to start of enzyme perfusion for islet isolation.**

# HPAP-083 Donor Summary

## Medical History:

| | | Duration | Medications | Compliance |
|---|---|---|---|---|
| **Type of Diabetes** | T2DM | 2-3 years | Insulin | yes |
| **History of cancer** | ----- | ----- | ----- | ----- |
| **CAD** | ----- | ----- | ----- | ----- |
| **Hypertension** | yes | 2-3 years | unknown | Yes |
| **Hyperlipidemia** | ----- | ----- | ----- | ----- |
| **Autoimmune disease** | ----- | ----- | ----- | ----- |
| **Family History** | CAD ☒ | Diabetes ☐ | Auto immune disease ☐ | Others: |
| **Surgical History:** | None | | | |
| **Comments:** | Family Hx: father and Uncle had CAD<br>Social Hx: smoked 1 ppd cigarette x20 years, smoked Marijuana x 20 years<br>Etoh Hx: 1-2 drinks per week for adult life | | | |

## Hemodynamic Profile

| | | |
|---|---|---|
| **Average BP During Hospitalization (mmHg)** | 134/73 | |
| **Average Low BP During Hospitalization** | 81/60 | **Duration: 1-60 min** |
| **Average BP in OR (mmHg)** | 150/70 | |
| **Average Low BP in OR (mmHg)** | 140/70 | **Duration: 10 min** |
| **Average HR in OR (bpm)** | 78 | |
| **ABG-pH range** | 7.08 – 7.5 | |

## INTERVENTION

## Blood Products/Meds Transfused Before Organ Recovery

| Product | Amount (ml) | Units | Total (ml) |
|---|---|---|---|
| **Fresh Frozen Plasma** | ----- | ----- | ----- |
| **PRBCs** | ----- | ----- | ----- |
| **Platelets** | ----- | ----- | ----- |
| **Norepinephrine (Levophed)** | ----- | Avg dose 10 mcg/min started 5 days before organ recovery | |
| **Vasopressin** | ----- | Avg dose 0.02 units/hr started 2 days before organ recovery | |
| **Neo-Synephrine** | ----- | ----- | ----- |
| **Epinephrine** | ----- | Avg dose 2 mg/kg/min started 1 day before organ recovery | |
| **Phenylephrine** | ----- | ----- | ----- |
| **Dopamine** | ----- | ----- | ----- |

# HPAP-083 Donor Summary

## Blood Products/Meds Transfused Intraoperative

| Product | Amount (ml) | Units | Total (ml) |
|---|---|---|---|
| Fresh Frozen Plasma | ----- | ----- | ----- |
| PRBCs | ----- | ----- | ----- |
| Platelets | ----- | ----- | ----- |
| Norepinephrine (Levophed) | ----- | 8 mcg/kg/min | ----- |
| Vasopressin | ----- | ----- | ----- |
| Neo-Synephrine (phenylephrine) | ----- | 40 mcg/hr | ----- |
| Epinephrine | ----- | ----- | ----- |
| Dopamine | ----- | ----- | ----- |
| Heparin | ----- | 30,000 | ----- |

## Initial Autoantibody Screening (nPOD): ELISA

**Not performed for HPAP-T2D program**

| GAD-65 | IA-2 |
|---|---|
| ND | ND |

## 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 | 0.002 |
| Cut-off values | 20 | 5 | 0.010 | 0.020 |

*Sample obtained at time of organ recovery.

| | C-peptide (ng/ml) | Proinsulin |
|---|---|---|
| Results | 4.35 | ------ |

*Sample obtained at time of organ recovery.

## HLA (OPO)*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Class 1 | A | 23 | 29 | Class II | DR | 01 | 13 |
| | B | 07 | 45 | | DR51 | N-Negative | N-Negative |
| | C | 07 | 16 | | DR52 | 52 | 52 |
| | Bw4 | Negative | | | DR53 | N-Negative | N-Negative |
| | Bw6 | Positive | | | DQB1 | 03(7) | 05 |
| | [redacted] | | | | DQA1 | 01 | 05 |
| | | | | | DPB1 | 01:01 | 17:01 |
| | | | | | | | |
| Comment: | | | | | | | |

# HPAP-083 Donor Summary

## Confirmatory HLA (UPENN)*

**Not performed for HPAP-T2D program**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Class 1** | **A** | | | **Class II** | **DRB1** | | |
| | **B** | | | | **DRB3** | | |
| | **C** | | | | **DRB4** | | |
| | | | | | **DRB5** | | |
| | | | | | **DQB1** | | |
| | | | | | **DQA1** | | |
| | | | | | **DPB1** | | |
| | | | | | **DPA1** | | |

*HLA typing performed using NGS

## Infectious Disease Serology

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

# HPAP-083 Donor Summary

## Laboratory Panel

| | Initial | Peak | Terminal |
|---|---|---|---|
| **Na (mEq/L) (135-145)** | 145 | 147 | 146 |
| **Creatinine (<1.5)** | 2.73 | 3.24 | 3.03 |
| **Glucose (mg/dL) (60-150)** | 345 | 345 | 210 |
| **HbA1C%** | 5 | ---- | ---- |
| **Total bilirubin (0-1.0)** | 0.2 | 0.7 | 0.7 |
| **SGOT (AST) (0-40)** | 125 | 562 | 88 |
| **SGPT (ALT) (5-35)** | 103 | 151 | 116 |
| **Alkaline phosphatase (45-110)** | 87 | 116 | 116 |
| **Serum Amylase (23-851)** | 48 | ---- | ---- |
| **Serum Lipase (0-80)** | 51 | ---- | ---- |
| **WBC (THO/uL) (4.5-11.0)** | 9.6 | 22.3 | 20 |
| **Hgb (g/dL) (12-16)** | 11.9 | 11.9 | 8.9 |
| **Platelets (THO/uL) (150-350)** | 272 | 349 | 259 |
| **INR (<2.0)** | 1 | 1.3 | 1.3 |

## Urinalysis

| | 1st | 2nd | 3rd | 4th |
|---|---|---|---|---|
| **Glucose** | 500 | 1000 | ---- | ---- |

## Medications During Hospitalization

| | | | |
|---|---|---|---|
| **Steroids**** | ---- | | |
| **Diuretics** | Mannitol 50 gms | | |
| **T3 Protocol** | ---- | | |
| **T4 Protocol*** | Yes, 40 mcg/hr | | |
| **Insulin**** | 4-8 units insulin regular started 3 days before organ recovery | | |
| **Antihypertensive** | ---- | | |
| **Vasodilators** | ---- | | |
| **DDAVP**** | ---- | | |
| **Total parenteral nutrition** | ---- | | |
| **Other** | Amiodarone 150 mg, Ticagrelor 180 mg, Cefepime 1 gm, Eptifibatide, Cleviprex | 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