



HPAP-158 Donor Summary

| | | | |
|--------------------------------|---|---|--|
| HPAP | 158 | UNOS | |
| Recovery OPO | GLDP | Allocation Via | UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/> |
| Age (years) | 46 | DCD | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| Race | Hispanic | DBD | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| Sex | M <input checked="" type="checkbox"/> F <input type="checkbox"/> | Admission to Cross Clamp | <input type="text" value="99"/> Hours <input type="text" value="13"/> Mins. |
| ABO (Rh) | O Positive | Cross Clamp Time | 07/30/2023 02:07 EDT |
| BMI (Kg/m²) | 35.36 | Cold Ischemia Time* | <input type="text" value="08"/> Hours <input type="text" value="01"/> Mins. |
| Weight (kg) | 115 | | |
| Height (cm) | 180.34 | | |
| Cause of Death | Anoxia | Preservation Solution | UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> UW/Belzer Cold Storage/Viaspan/SPS-1 |
| Mechanism of Injury | Drug Intoxication | Organs Recovered | Heart <input 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 checked="" type="checkbox"/> No <input type="checkbox"/> Unknown | Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity: | <input type="text" value="01"/> Hours <input type="text" value="00"/> Mins. |
| CPR / Time | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown | 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 | Extended | Blood Culture | NA |
| Date /Time of Admission | 07/25/2023 22:54 EDT | PHS High Risk | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| | | Acute Lung Injury | Bibasilar hazy opacities due to airspace collapse in the lower lungs. |

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



HPAP-158 Donor Summary

Medical History:

| | | Duration | Medications | Compliance |
|--------------------|---|--|---|------------|
| Type of Diabetes | T2DM | 3 years | Insulin and Metformin 3 years unsure about the doses | No |
| History of cancer | ----- | ----- | ----- | ----- |
| CAD | ----- | ----- | ----- | ----- |
| Hypertension | ----- | ----- | ----- | ----- |
| Hyperlipidemia | ----- | ----- | ----- | ----- |
| Autoimmune disease | ----- | ----- | ----- | ----- |
| Family History | CAD <input type="checkbox"/> | Diabetes <input checked="" type="checkbox"/> Mother | Auto immune disease <input type="checkbox"/> | Others: |
| Surgical History: | bilateral inguinal hernia repair (2020) | | | |
| Comments: | MedicalHx: HTN, HLD, DM 2 x2 years, rhabdo, PNA, obesity, GERD, bilateral inguinal hernias, stroke (2020 - left sided weakness) Social Hx: Polysubstance abuse, previous overdose, smoker. snorted Cocaine for 25 years and smoked Marijuana for 30 years. Toxicology screen Results: +THC, Cocaine, Fentanyl | | | |

Hemodynamic Profile

| | | |
|--|-------------|-----------------------|
| Average BP During Hospitalization (mmHg) | 133/64 | |
| Average Low BP During Hospitalization | 108/57 | Duration:15 – 180 min |
| Average BP in OR (mmHg) | 110/72 | |
| Average Low BP in OR (mmHg) | 99/60 | Duration: 60 min. |
| Average HR in OR (bpm) | 88 | |
| ABG-pH range | 7.08 – 7.31 | |

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

| Product | Amount (ml) | Units | Total (ml) |
|---------------------------|-------------|---|------------|
| Fresh Frozen Plasma | ----- | ----- | ----- |
| PRBCs | ----- | ----- | ----- |
| Platelets | ----- | ----- | ----- |
| Norepinephrine (Levophed) | ----- | 18 – 25 mcg/min started 98:30 hrs. before organ recovery. | |
| Vasopressin | ----- | 0.03 units/min started 89:37 hrs. before organ recovery. | |
| Neo-Syneprine | ----- | ----- | ----- |
| Epinephrine | ----- | ----- | ----- |
| Phenylephrine | ----- | ----- | ----- |
| Dopamine | ----- | ----- | ----- |



HPAP-158 Donor Summary

Blood Products/Meds Transfused Intraoperative

| Product | Amount (ml) | Units | Total (ml) |
|-------------------------------|-------------|------------|------------|
| Fresh Frozen Plasma | ----- | ----- | ----- |
| PRBCs | ----- | ----- | ----- |
| Platelets | ----- | ----- | ----- |
| Norepinephrine (Levophed) | ----- | ----- | ----- |
| Vasopressin | ----- | ----- | ----- |
| Neo-Syneprine (phenylephrine) | ----- | 50 mcg/min | ----- |
| 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 | -0.003 | 0.000 |
| Cut-off values | 20 | 5 | 0.01 | 0.02 |

*Sample obtained at time of organ recovery.

| | C-peptide (ng/ml) | Proinsulin |
|---------|----------------------|------------|
| Results | 4.58 | NA |

*Sample obtained at time of organ recovery.

HLA (OPO)*

| | | | | | | | |
|----------|-----|----------|------|----------|-------|------------|------------|
| Class 1 | A | 1 | 3 | Class II | DR | 17 | 15 |
| | B | 60 | 50 | | DR51 | 51 | N-Negative |
| | C | 10 | 06 | | DR52 | 52 | N-Negative |
| | Bw4 | Negative | | | DR53 | N-Negative | N-Negative |
| | Bw6 | Positive | | | DQB1 | 2 | 6 |
| | | | DQA1 | | 01 | 05 | |
| | | | DPB1 | | 04:01 | 04:01 | |
| | | | DPA1 | | 01 | 01 | |
| Comment: | | | | | | | |

HPAP-158 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

| Test | Result | Hemo/Plasma Dilution Status | |
|---|--|-----------------------------|---------------|
| | | 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 Screening - Nontreponemal (Automated) | Cancelled (Gaptia ordered due to instrument error) | - | - |
| Captia G Screen | Non-Reactive | ✓ | - |
| Procleix Ultrio | ND | - | - |
| Ultrio HBV | Non-Reactive | ✓ | - |
| Ultrio HCV | Non-Reactive | ✓ | - |
| Ultrio HIV | Non-Reactive | ✓ | - |
| Toxoplasma Ab | Negative | ✓ | - |
| SARS-CoV-2 | Negative | ✓ | - |



HPAP-158 Donor Summary

Laboratory Panel

| | Initial | Peak | Terminal |
|-------------------------------|------------|------|----------|
| Na (mEq/L) (135-145) | 141 | 145 | 142 |
| Creatinine (<1.5) | 2.93 | 9.49 | 6.82 |
| Glucose (mg/dL) (60-150) | 396 | 396 | 295 |
| HbA1C% | 6.1 | | |
| Total bilirubin (0-1.0) | 0.2 | 0.5 | 0.3 |
| SGOT (AST) (0-40) | 193 | 991 | 74 |
| SGPT (ALT) (5-35) | 131 | 587 | 247 |
| Alkaline phosphatase (45-110) | 159 | 262 | 107 |
| Serum Amylase (23-851) | 40 | 40 | 34 |
| Serum Lipase (0-80) | 25 | 51 | 51 |
| WBC (THO/uL) (4.5-11.0) | 29.7 | 29.7 | 22.6 |
| Hgb (g/dL) (12-16) | 9.6 | 11.5 | 7.4 |
| Platelets (THO/uL) (150-350) | 286 | 385 | 151 |
| INR (<2.0) | 1.2 | 1.2 | 1.1 |

Urinalysis

| | 1 st | 2 nd | 3 rd | 4 th |
|---------|----------------------|----------------------|-----------------|-----------------|
| Glucose | Positive: 250 | Positive: 150 | NA | NA |

Medications During Hospitalization

| | |
|----------------------------|---|
| Steroids** | ----- |
| Diuretics | ----- |
| T3 Protocol | ----- |
| T4 Protocol* | 40 mcg/hr |
| Insulin** | Insulin Regular 4 units/hr started 92:25 hrs. before organ recovery |
| Antihypertensive | ----- |
| Vasodilators | ----- |
| DDAVP** | ----- |
| Total parenteral nutrition | ----- |
| Other | Vancomycin 1000-2000 mg, Calcium Gluconate 1 gm, Zosyn 4.5 gm |

*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