

HPAP -175- Donor Summary



| | | | |
|--------------------------------|--|---|---|
| HPAP | 175 | UNOS | |
| Recovery OPO | PADV • Gift of Life Donor Program | Allocation Via | UPENN <input checked="" type="checkbox"/> nPOD <input type="checkbox"/> |
| Age (years) | 54 | 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 type="checkbox"/> F <input checked="" type="checkbox"/> | Admission to Cross Clamp | <input type="text" value="75"/> Hours <input type="text" value="03"/> Mins. |
| ABO (Rh) | A Positive | Cross Clamp Time | 05/13/2024 15:03 EDT |
| BMI (Kg/m²) | 33.11 | Cold Ischemia Time* | <input type="text" value="19"/> Hours <input type="text" value="44"/> Mins. |
| Weight (kg) | 87.5 | | |
| Height (cm) | 162.56 | | |
| Cause of Death | CVA/Stroke | Preservation Solution | UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> UW/ Belzer Cold Storage/VIASPAN/SPS-1 |
| Mechanism of Injury | Intracranial Hemorrhage/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" value="0"/> Hours <input type="text" value="11"/> Mins. |
| CPR / Time | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | 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 | No Downtime | Blood Culture | NA |
| Date /Time of Admission | 05/10/2024 12:00 EDT | PHS High Risk | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| | | Acute Lung Injury | No |

*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 | ----- | ----- | ----- | ----- |
| CAD | ----- | ----- | ----- | ----- |
| Hypertension | ----- | ----- | ----- | ----- |
| Hyperlipidemia | hypertriglyceridemia | NA | NA | yes |
| Autoimmune disease | ----- | ----- | ----- | ----- |
| Family History | CAD <input checked="" type="checkbox"/> Father | Diabetes <input checked="" type="checkbox"/> Mother | Auto immune disease <input type="checkbox"/> | Others: |
| Surgical History: | ACOM aneurysm web embolization (4/17/24), colonoscopy (11/23) | | | |
| Comments: | <p>Medical Hx: anterior artery aneurysm, asthma, hypothyroidism, lichen sclerosis, arthritis, colon polyps (last colonoscopy 11/2023), Chin scar from falling off a horse. hypertriglyceridemia, insomnia, arthritis of R knee, post inflammatory hyperpigmentation of lower back (started on Lidex 0.05% cream 3/14/24), benign seborrheic keratosis of left buttock, hyperpigmentation of right lower eyelid with verrucous papule.(started on Hydroquinone 4% cream 3/14/24), COVID (12/21). Allergies to Niacin, Mucinex, Guaifenesin</p> <p>Medication Hx: unknown Hypothyroid meds</p> <p>Social Hx: denied smoking or drug hx, social mixed alcohol use twice a year or less</p> | | | |

Hemodynamic Profile

| | | |
|--|-------------|------------------|
| Average BP During Hospitalization (mmHg) | 129/61 | |
| Average Low BP During Hospitalization | 64/42 | Duration: 5 min. |
| Average BP in OR (mmHg) | 110/61 | |
| Average Low BP in OR (mmHg) | 76/62 | Duration: 2 min. |
| Average HR in OR (bpm) | 108 | |
| ABG-pH range | 7.15 – 7.42 | |

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

| Product | Amount (ml) | Units | Total (ml) |
|---------------------------|-------------|---|------------|
| Fresh Frozen Plasma | ----- | ----- | ----- |
| PRBCs | 350 | 1 | 350 |
| Platelets | 200 | 6 | 1200 |
| Norepinephrine (Levophed) | ----- | 4 mcg/min started 73:13 hrs before organ recovery for the duration of 30:00 hrs. | |
| Vasopressin | ----- | 0.03 units/min started 68:52 hrs. before organ recovery | |
| Neo-Syneprine | ----- | ----- | ----- |
| Epinephrine | ----- | ----- | ----- |
| Phenylephrine | ----- | 25 mcg/min started 43: 20 hrs before organ recovery for the duration of 2:47 hrs. | |
| Dopamine | ----- | ----- | ----- |



HPAP -175- Donor Summary

Blood Products/Meds Transfused Intraoperative

| Product | Amount (ml) | Units | Total (ml) |
|--------------------------------|-------------|--------|------------|
| Fresh Frozen Plasma | ----- | ----- | ----- |
| PRBCs | ----- | ----- | ----- |
| Platelets | ----- | ----- | ----- |
| Norepinephrine (Levophed) | ----- | ----- | ----- |
| Vasopressin | ----- | ----- | ----- |
| Neo-Synephrine (phenylephrine) | ----- | ----- | ----- |
| 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 | -0.001 |
| Cut-off values | 20 | 5 | 0.01 | 0.02 |

*Sample obtained at time of organ recovery.

| | C-peptide (ng/ml) | Proinsulin |
|---------|----------------------|------------|
| Results | 8.62 | ND |

*Sample obtained at time of organ recovery.

HLA (OPO)*

| | | | | | | | |
|----------|-----|----------|------|----------|-------|------------|------------|
| Class 1 | A | 1 | 3 | Class II | DR | 17 | 13 |
| | B | 18 | 8 | | DR51 | N-Negative | N-Negative |
| | C | 07 | 07 | | DR52 | 52 | 52 |
| | Bw4 | Negative | | | DR53 | N-Negative | N-Negative |
| | Bw6 | Positive | | | DQB1 | 2 | 6 |
| | | | DQA1 | | 01 | 05 | |
| | | | DPB1 | | 04:01 | 20:01 | |
| DPA1 | | | 01 | 01 | | | |
| Comment: | | | | | | | |

Confirmatory HLA (UPENN)*

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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 (Zeus EBV IgG) | Positive | ✓ | - |
| EBV IgM Zeus EBV IgM) | Positive | ✓ | - |
| CMV | Positive | ✓ | - |
| HBcAb | Non-Reactive | ✓ | - |
| HBsAg | Non-Reactive | ✓ | - |
| HCV Ab | Non-Reactive | ✓ | - |
| HIV I/II | Non-Reactive | ✓ | - |
| Syphilis | Non-Reactive | ✓ | - |
| Procleix Ultrio | ND | — | - |
| Ultrio HBV | Non-Reactive | ✓ | - |
| Ultrio HCV | Non-Reactive | ✓ | - |
| Ultrio HIV | Non-Reactive | ✓ | - |
| Toxoplasma Ab (ZeusToxo IgG) | Negative | ✓ | - |
| SARS-CoV-2 | Negative | ✓ | - |



HPAP -175- Donor Summary

Laboratory Panel

| | Initial | Peak | Terminal |
|-------------------------------|---------|-------|-----------|
| Na (mEq/L) (135-145) | 135 | 155 | 152 |
| Creatinine (<1.5) | 0.85 | 0.86 | 0.86 |
| Glucose (mg/dL) (60-150) | 236 | 237 | 188 |
| HbA1C% | 5.5 | ----- | ----- |
| Total bilirubin (0-1.0) | 0.4 | 0.6 | 0.4 |
| SGOT (AST) (0-40) | 20 | 20 | 16 |
| SGPT (ALT) (5-35) | 9 | 9 | 6 |
| Alkaline phosphatase (45-110) | 49 | 49 | 43 |
| Serum Amylase (23-851) | 45 | 71 | 71 (NA) |
| Serum Lipase (0-80) | 13 | 13 | 11 (NA) |
| WBC (THO/uL) (4.5-11.0) | 10.9 | 19.3 | 12.4 |
| Hgb (g/dL) (12-16) | 12.3 | 12.3 | 8 |
| Platelets (THO/uL) (150-350) | 209 | 431 | 131 |
| INR (<2.0) | 0.87 | 1.31 | 1.31 (NA) |

Urinalysis

| | 1 st | 2 nd | 3 rd | 4 th |
|---------|-----------------|-----------------|-----------------|-----------------|
| Glucose | Negative | Negative | Negative | NA |

Medications During Hospitalization

| | |
|----------------------------|---|
| Steroids** | ----- |
| Diuretics | ----- |
| T3 Protocol | ----- |
| T4 Protocol* | 20 mcg/hr continuous IV started 41:54 hrs. before organ recovery. |
| Insulin** | Insulin-Regular 20 units |
| Antihypertensive | NA |
| Vasodilators | NA |
| DDAVP** | NA |
| Total parenteral nutrition | NA |
| Other | Cefazolin 2000mg, Albuterol 2.5 mg, Albumin 5% 25 gm, 0.45% NSS 100ml/hr |

*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