

HPAP-184 Donor Summary



| | | | |
|--------------------------------|---|---|--|
| HPAP | 184 | UNOS | |
| Recovery OPO | INOP - Indiana Donor Network | Allocation Via | UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/> |
| Age (years) | 20 | DCD | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| Race | White: Origin not reported | DBD | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| Sex | M <input checked="" type="checkbox"/> F <input type="checkbox"/> | Admission to Cross Clamp | 115 Hours 42 Mins. |
| ABO (Rh) | O Rh | Cross Clamp Time | 11/06/2024 23:42 EST |
| BMI (Kg/m²) | 23.172 | Cold Ischemia Time* | 13 Hours 40 Mins. |
| Weight (kg) | 7.6000 | | |
| Height (cm) | 183.00 | | |
| Cause of Death | ANOXIA | Preservation Solution | UW <input type="checkbox"/> HTK <input checked="" type="checkbox"/> Servator-H |
| Mechanism of Injury | CARDIOVASCULAR | Organs Recovered | Heart <input checked="" type="checkbox"/> Kidney <input checked="" type="checkbox"/> Lung <input 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 type="checkbox"/> Unknown (Asystole) | Intraoperative time lapse from liver to pancreas removal from the peritoneal cavity: | <input type="text"/> Hours <input type="text"/> Mins. NA |
| CPR / Time | Yes <input type="checkbox"/> No <input type="checkbox"/> CPR/ACLS initiated on arrival on OSH, duration 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 | Unknown | Blood Culture | Collected: 11/02/2024, 48-Hour Result: positive Gram-positive cocci; Staph aureus. Collected : 11/04/2024 No Growth at 24 hrs Final Result: pending |
| Date /Time of Admission | 11/02/2024 04:00 EST | PHS High Risk | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| | | Acute Lung Injury | Bilateral patchy pulmonary infiltrates remain the same or are slightly increased compared to the prior imaging study |

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

HPAP-184 Donor Summary



Medical History:

| | | Duration | Medications | Compliance |
|--------------------|---|--|---|------------|
| Type of Diabetes | T1D | 7.5 years was diagnosed at age 13 | Insulin- Lispro Tersiba- Long-acting insulin | Yes |
| History of cancer | ----- | ----- | ----- | ----- |
| CAD | ----- | ----- | ----- | ----- |
| Hypertension | ----- | ----- | ----- | ----- |
| Hyperlipidemia | ----- | ----- | ----- | ----- |
| Autoimmune disease | ----- | ----- | ----- | ----- |
| Family History | CAD <input type="checkbox"/> | Diabetes <input checked="" type="checkbox"/> maternal grandfather type 2 | Auto immune disease <input type="checkbox"/> | Others: |
| Surgical History: | None | | | |
| Comments: | Medical Hx: DMT1, ADHD and dyslipidemia, Headache on 10/29/2024, Seizures (Due to diabetes type 1), allergies Medication Hx: Clindamycin- 3 x daily for staph infection on his head ETOH Hx: Liquor and Beer a couple drinks not often x 1yr or less | | | |

Hemodynamic Profile

| | | |
|--|---|-------------------|
| Average BP During Hospitalization (mmHg) | 116/76 | |
| Average Low BP During Hospitalization | 80 / 41 | Duration: 15 min. |
| Average BP in OR (mmHg) | NA | |
| Average Low BP in OR (mmHg) | NA | Duration: NA |
| Average HR in OR (bpm) | NA | |
| ABG-pH range | 7.1 – 7.51 Severely acidotic upon arrival, initial pH was 6.6 at outside hospital | |

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

| Product | Amount (ml) | Units | Total (ml) |
|---------------------------|-------------|---|------------|
| Fresh Frozen Plasma | ----- | ----- | ----- |
| PRBCs | ----- | ----- | ----- |
| Platelets | ----- | ----- | ----- |
| Norepinephrine (Levophed) | ----- | Continuous 0.5-50 mcg/min, 0.5-46.9 mL/hr, Intravenous, started 119:42 hrs. before the organ recovery for the duration of 74:00 hrs. 2-11 MCG/MIN Started 54:22 hrs. before organ recovery for the duration of 15:56hrs. | |
| Vasopressin | ----- | I.V. Continuous 0.4 units/ml. Started on 11/2/24 and stopped 47:34 hrs. before organ recovery | |
| Neo-Synephrine | ----- | Continuous 10 mcg/min | |
| Epinephrine | ----- | received multiple rounds of epi on OSH arrival | |
| Phenylephrine | ----- | ----- | ----- |
| Dopamine | ----- | ----- | ----- |

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Blood Products/Meds Transfused Intraoperative

| Product | Amount (ml) | Units | Total (ml) |
|--------------------------------|-------------|-------|------------|
| Fresh Frozen Plasma | ---- | ---- | ---- |
| PRBCs | ---- | ---- | ---- |
| Platelets | ---- | ---- | ---- |
| Norepinephrine (Levophed) | NA | NA | NA |
| Vasopressin | NA | NA | NA |
| Neo-Synephrine (phenylephrine) | NA | NA | NA |
| Epinephrine | NA | NA | NA |
| Dopamine | NA | NA | NA |
| Heparin | NA | NA | NA |

Initial Autoantibody Screening (nPOD): ELISA

| | |
|--------|------|
| GAD-65 | IA-2 |
| NA | NA |

Confirmatory results: Radioimmuno Assay (RIA)

| | GAD-65 (unit/ml) | IA-2 (unit/ml) | Insulin AAB (unit/ml) | ZnT8 (unit/ml) |
|----------------|---------------------|-------------------|--------------------------|-------------------|
| Results | 0 | 112 | 0.123 | 0.006 |
| Cut-off values | 20 | 5 | 0.01 | 0.02 |

*Sample obtained at time of organ recovery.

| | C-peptide (ng/ml) | Proinsulin |
|---------|----------------------|------------|
| Results | <0.02 | ND |

*Sample obtained at time of organ recovery.

HLA (OPO)*

| | | | | | | | |
|----------|-----|----------|------|----------|-------|------------|------------|
| Class 1 | A | 3 | 23 | Class II | DR | 4 | 13 |
| | B | 35 | 51 | | DR51 | N-Negative | N-Negative |
| | C | 04 | 16 | | DR52 | 3*02 | N-Negative |
| | Bw4 | Positive | | | DR53 | 4*01 | N-Negative |
| | Bw6 | Positive | | | DQB1 | 7 | 8 |
| | | | DQA1 | | 03 | 05 | |
| | | | DPB1 | | 04:02 | 17:01 | |
| DPA1 | | | 01 | 02 | | | |
| Comment: | | | | | | | |

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Confirmatory HLA (UPENN)*

| | | | | | | | |
|---------|---|-------|-------|----------|------|-------|--------|
| Class 1 | A | 03:01 | 23:01 | Class II | DRB1 | 04:02 | 13:04 |
| | B | 35:01 | 51:01 | | DRB3 | 02:02 | ----- |
| | C | 04:01 | 16:01 | | DRB4 | ----- | 01:03 |
| | | | | | DRB5 | ----- | ----- |
| | | | | | DQB1 | 03:02 | 03:19 |
| | | | | | DQA1 | 03:01 | 05:05 |
| | | | | | DPB1 | 04:02 | 131:01 |
| | | | | | DPA1 | 01:03 | 02:01 |

*HLA typing performed using NGS

Infectious Disease Serology

| Test | Result | Hemo/Plasma Dilution Status | |
|----------------------|----------|-----------------------------|---------------|
| | | Qualified | Non-Qualified |
| EBV IgG | Negative | ✓ | - |
| EBV IgM | Negative | ✓ | - |
| CMV | Negative | ✓ | - |
| HBcAb | Negative | ✓ | - |
| HBsAg | Negative | ✓ | - |
| HCV Ab | Negative | ✓ | - |
| HIV I/II | Negative | ✓ | - |
| Syphilis | Negative | ✓ | - |
| Procleix Ultrio | ND | - | - |
| Ultrio HBV (HBV NAT) | Negative | ✓ | - |
| Ultrio HCV (HCV NAT) | Negative | ✓ | - |
| Ultrio HIV (HIV NAT) | Negative | ✓ | - |
| Toxoplasma Aby(IgG) | Positive | ✓ | - |
| Toxoplasma Aby(IgM) | Negative | ✓ | - |
| Strongyloides ABY | Negative | ✓ | - |
| WNV NAT | Negative | ✓ | - |
| Chagas | Negative | ✓ | - |
| SARS-CoV-2 | Negative | ✓ | - |



HPAP-184 Donor Summary

Laboratory Panel

| | Initial | Peak | Terminal |
|-------------------------------|---------------|-------|--------------|
| Na (mEq/L) (135-145) | 137 | 154 | 153 |
| Creatinine (<1.5) | 1.9 | 1.9 | 1.2 |
| Glucose (mg/dL) (60-150) | 1348 | 1348 | 141 |
| HbA1C% | 12.3 | ----- | ----- |
| Total bilirubin (0-1.0) | 0.7 | 3.8 | 1.4 |
| SGOT (AST) (0-40) | 442 | 1500 | 118 |
| SGPT (ALT) (5-35) | 128 | 568 | 117 |
| Alkaline phosphatase (45-110) | 215 | 395 | 269 |
| Serum Amylase (23-851) | 100 (11/4/24) | 100 | 21 (11/5/24) |
| Serum Lipase (0-80) | 41 (11/4/24) | 41 | 9 |
| WBC (THO/uL) (4.5-11.0) | 21.6 | 21.6 | 9.6 |
| Hgb (g/dL) (12-16) | 11.5 | 14 | 7.8 |
| Platelets (THO/uL) (150-350) | 378 | 410 | 146 |
| INR (<2.0) | 0.96 | 1.21 | 1.13 |

Urinalysis

| | 1 st | 2 nd | 3 rd | 4 th |
|---------|-----------------|-----------------|-----------------|-----------------|
| Glucose | Positive: >1000 | Negative | NA | NA |

Medications During Hospitalization

| | | | |
|----------------------------|---|---------|--|
| Steroids** | Solu- CORTEF injection IV 100 mg (TID started 48:11hrs before organ recovery) | | |
| Diuretics | NA | | |
| T3 Protocol | NA | | |
| T4 Protocol* | NA | | |
| Insulin** | NA | | |
| Antihypertensive | NA | | |
| Vasodilators | NA | | |
| DDAVP** | 1 mcg injection IV once 61:17 hrs. before organ recovery | | |
| Total parenteral nutrition | NA | | |
| Other | Albumin, Tylenol, Buspar, Nimbox, Diprivan, Fentanyl, Magnesium Sulfate, Sodium Bicarbonate, D5W with Potassium Chloride, D5W with sodium bicarbonate, Vancomycin, Humulin, Klorcon, , Keppra, glucagon Bacitracin, Miralax, Levophed, Versed, Zosyn, Protonix, (D50W , vasopressin, Levophed | 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