

HPAP-133 Donor Summary



| HPAP | 133 | UNOS | |
|--------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recovery OPO | PATF - Center for Organ Recovery and Educ | Allocation Via | UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/> |
| Age (years) | 49 | DCD | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| Race | Hispanic/Latino | DBD | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| Sex | M <input type="checkbox"/> F <input checked="" type="checkbox"/> | Admission to Cross Clamp | 70 Hours 14 Mins. |
| ABO (Rh) | A1 Positive (+) | Cross Clamp Time | 10/03/2022 16:40 EDT |
| BMI (Kg/m ²) | 25.422 | Cold Ischemia Time* | 18 Hours 16 Mins. |
| Weight (kg) | 57.2000 | | |
| Height (cm) | 150.00 | | |
| Cause of Death | Anoxia | Preservation Solution | UW <input type="checkbox"/> HTK <input type="checkbox"/> NA |
| Mechanism of Injury | INTRACRANIAL HEMORRHAGE/STROKE | Organs Recovered | Heart <input 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 checked="" type="checkbox"/> | 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 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 | 09/30/2022 18:26 EDT | PHS High Risk | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| | | Acute Lung Injury | No |

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



HPAP-133 Donor Summary

Medical History:

| | | Duration | Medications | Compliance |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------|------------|
| Type of Diabetes | T2D | unknown | unknown | unknown |
| History of cancer | ----- | ----- | ----- | ----- |
| CAD | ----- | ----- | ----- | ----- |
| Hypertension | yes | unknown | unknown | unknown |
| Hyperlipidemia | NA | NA | NA | NA |
| Autoimmune disease | NA | NA | NA | NA |
| Family History | CAD <input type="checkbox"/> NA | Diabetes <input type="checkbox"/> NA | Auto immune disease <input type="checkbox"/> NA | Others: |
| Surgical History: | cerebral aneurysm repair | | | |
| Comments: | Estranged from family 20+ years, no person available to answer DRAI questions. Medical Hx: PMHX anemia, arthritis, anxiety, asthma, tinnitus, depression, DM(CMS/HCC), HTN, hearing loss Left ear, history of stroke(CMS/HCC), kidney stones with lithotripsy, migraines, neuropathy, subarachnoid hemorrhage due to cerebral aneurysm s/p coiling (CMS/HCC), Vitamin D deficiency Social Hx: Cigarette use (>20 pack years) Pt. urine test was POSITIVE for: benzodiazepines, cannabinoids, opiates, cocaine | | | |

Hemodynamic Profile

| | | |
|------------------------------------------|-------------|------------------|
| Average BP During Hospitalization (mmHg) | 117/60 | |
| Average Low BP During Hospitalization | 79/43 | Duration: 5 Min. |
| Average BP in OR (mmHg) | 135/70 | |
| Average Low BP in OR (mmHg) | 97/46 | Duration: 1 Min. |
| Average HR in OR (bpm) | 96 | |
| ABG-pH range | 7.37 – 7.49 | |

INTERVENTION

Blood Products/Meds Transfused Before Organ Recovery

| Product | Amount (ml) | Units | Total (ml) |
|---------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|------------|
| Fresh Frozen Plasma | ----- | ----- | ----- |
| PRBCs | ----- | ----- | ----- |
| Platelets | ----- | ----- | ----- |
| Norepinephrine (Levophed) | ----- | 0.01-0.55 MCG/KG/MIN started 63:42hrs. before organ recovery. Ongoing 0.04 MCG/KG/MIN started 22:40 hrs. before organ recovery. | |
| Vasopressin | ----- | Ongoing 1.8 -0.02 unit/hr. started 62:30 hrs. before organ recovery. | |
| Neo-Synephrine | ----- | ----- | ----- |
| Epinephrine | ----- | 0.01-0.03 MCG/KG/MIN started 62:24 hrs. before organ recovery. | |
| Phenylephrine | ----- | ----- | ----- |
| Dopamine | ----- | ----- | ----- |

HPAP-133 Donor Summary



Blood Products/Meds Transfused Intraoperative

| Product | Amount (ml) | Units | Total (ml) |
|--------------------------------|-------------|----------------------------------------------------------------------------------------|------------|
| Fresh Frozen Plasma | ----- | ----- | ----- |
| PRBCs | ----- | ----- | ----- |
| Platelets | ----- | ----- | ----- |
| Norepinephrine (Levophed) | ----- | ----- | ----- |
| Vasopressin | ----- | 0.02 units/min started 30:09 hrs. before organ recovery for the duration of 29:55 hrs. | |
| 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 | 0.003 | -0.002 |
| Cut-off values | 20 | 5 | 0.010 | 0.020 |

*Sample obtained at time of organ recovery.

| | C-peptide (ng/ml) | Proinsulin |
|---------|----------------------|------------|
| Results | 2.5 | NA |

*Sample obtained at time of organ recovery.

HLA (OPO)*

| | | | | | | | |
|----------|-----|----------|------|----------|-------|------------|-------|
| Class 1 | A | 2 | 30 | Class II | DR | 17 | 4 |
| | B | 18 | 60 | | DR51 | N-Negative | ----- |
| | C | 10 | 05 | | DR52 | 52 | ----- |
| | Bw4 | Negative | | | DR53 | 53 | ----- |
| | Bw6 | Positive | | | DQB1 | 2 | 8 |
| | | | DQA1 | | 03 | 05 | |
| | | | DPB1 | | 02:02 | 04:02 | |
| | | DPA1 | 01 | 01 | | | |
| Comment: | | | | | | | |

HPAP-133 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 | Negative | ✓ | - |
| HBcAb | NonReactive | ✓ | - |
| HBsAg | NonReactive | ✓ | - |
| HCV Ab | NonReactive | ✓ | - |
| HIV I/II | NonReactive | ✓ | - |
| Syphilis | NonReactive | ✓ | - |
| Procleix Ultrio | NonReactive | ✓ | - |
| Ultrio HBV | NA | - | - |
| Ultrio HCV | NA | - | - |
| Ultrio HIV | NA | - | - |
| Toxoplasma Ab | Negative | ✓ | - |
| SARS-CoV-2 | Negative | ✓ | - |



HPAP-133 Donor Summary

Laboratory Panel

| | Initial | Peak | Terminal |
|-------------------------------|---------|-------|----------|
| Na (mEq/L) (135-145) | 138 | 156 | 137 |
| Creatinine (<1.5) | 0.74 | 0.95 | 0.52 |
| Glucose (mg/dL) (60-150) | 444 | 444 | 194 |
| HbA1C% | 6.2 | ----- | ----- |
| Total bilirubin (0-1.0) | 0.3 | 0.4 | 0.5 |
| SGOT (AST) (0-40) | 17 | 17 | 11 |
| SGPT (ALT) (5-35) | 13 | 13 | 10 |
| Alkaline phosphatase (45-110) | 77 | 77 | 40 |
| Serum Amylase (23-851) | 39 | 39 | ND |
| Serum Lipase (0-80) | 9 | 9 | ND |
| WBC (THO/uL) (4.5-11.0) | 22.3 | 23.7 | 8.4 |
| Hgb (g/dL) (12-16) | 14 | 14 | 8 |
| Platelets (THO/uL) (150-350) | 465 | 465 | 153 |
| INR (<2.0) | 1 | 1 | 1 |

Urinalysis

| | 1 st | 2 nd | 3 rd | 4 th |
|---------|-----------------|-----------------|-----------------|-----------------|
| Glucose | Positive: 500 | Negative | NA | NA |

Medications During Hospitalization

| | |
|----------------------------|------------------------------------------------------------------------------------|
| Steroids** | ----- |
| Diuretics | ----- |
| T3 Protocol | ----- |
| T4 Protocol* | 30 mcg/hr. Started 30:54 hrs. before organ recovery for the duration of 30:40 hrs. |
| Insulin** | Yes started 52:56 hrs. before organ recovery |
| Antihypertensive | ----- |
| Vasodilators | ----- |
| DDAVP** | ----- |
| Total parenteral nutrition | ----- |
| Other | LR@50 ml/hr, Synthroid 10-30 MCG/HR |
| | 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