

HPAP008 Donor Summary



| | | | | |
|--------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| HPAP | 008 | UNOS | | |
| Recovery OPO | Southwestern Transplant Alliance, Dallas TX | Allocation Via | UPENN <input type="checkbox"/> nPOD <input checked="" type="checkbox"/> | |
| Age (years) | 24 | 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 | 55 Hours 38 Mins. | |
| ABO (Rh) | 0 | Cross Clamp Time | Date: 04/15/2017 Time: 22:08 CDT 23:08 EST | |
| BMI (Kg/m²) | 31.9 | Cold Ischemia Time* | 18 Hours 1 Mins. | |
| Cause of Death | Head Trauma | Preservation Solution | UW <input checked="" type="checkbox"/> HTK <input type="checkbox"/> | |
| Mechanism of Injury | GSW Homicide | Organs Recovered | Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/> | Kidney <input type="checkbox"/> Pancreas <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: | Hours Mins. Not Available | |
| CPR / Time | Yes <input checked="" type="checkbox"/> / 15 mins. No <input type="checkbox"/> | Organs Discarded Not Available | Heart <input type="checkbox"/> Lung <input type="checkbox"/> Liver <input type="checkbox"/> | Kidney <input type="checkbox"/> Pancreas <input type="checkbox"/> Intestine <input type="checkbox"/> |
| Total Est. Downtime | None | Blood Culture | No Growth | |
| Date /Time of Admission | 4/13/2017 @ 14:30 CDT 4/13/2017 @ 15:30 EST | PHS High Risk | YES <input checked="" type="checkbox"/> Jail Time NO <input type="checkbox"/> | |
| | | Acute Lung Injury | No ARDS | |

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

**Medical History:**

| | | Duration | Medications | Compliance |
|--------------------|-----------------------------------------|-----------------------------------|----------------------------------------------|------------|
| Type of Diabetes | None | ----- | ----- | ----- |
| History of cancer | None | ----- | ----- | ----- |
| CAD | None | ----- | ----- | ----- |
| Hypertension | None | ----- | ----- | ----- |
| Hyperlipidemia | None | ----- | ----- | ----- |
| Autoimmune disease | None | ----- | ----- | ----- |
| Family History | CAD <input type="checkbox"/> | Diabetes <input type="checkbox"/> | Auto immune disease <input type="checkbox"/> | Others: |
| Surgical History: | Right shoulder rotator cuff repair 2008 | | | |
| Comments: | | | | |

Hemodynamic Profile

| | | |
|------------------------------------------|-------------|-------------------|
| Average BP During Hospitalization (mmHg) | 112/72 | |
| Average Low BP During Hospitalization | 31/19 | Duration: 30 mins |
| Average BP in OR (mmHg) | 122/76 | |
| Average Low BP in OR (mmHg) | 89/45 | Duration: 1 min. |
| Average HR in OR (bpm) | 120 | |
| ABG-pH range | 7.11 – 7.45 | |

INTERVENTION**Blood Products/Meds Transfused Before Organ Recovery**

| Product | Amount (ml) | Units | Total (ml) |
|---------------------------|------------------------------------|-------|------------|
| Fresh Frozen Plasma | | | 1395 |
| PRBCs | | | 3030 |
| Platelets | | | 753 |
| Norepinephrine (Levophed) | 0.01 – 0.3 mcg/Kg/min for 48 hours | | |
| Vasopressin | 0.02 – 0.04 units/ml for 48 hours | | |
| Neo-Synephrine | 37.5 mcg/min for 5 hours | | |
| Epinephrine | 0.01-0.25 mcg/Kg/min for ≈13 hours | | |
| Phenylephrine | ----- | ----- | ----- |
| Dopamine | ----- | ----- | ----- |



Blood Products/Meds Transfused Intraoperative

| Product | Amount (ml) | Units | Total (ml) |
|-------------------------------|-----------------|--------|------------|
| Fresh Frozen Plasma | None | ----- | ----- |
| PRBCs | None | ----- | ----- |
| Platelets | None | ----- | ----- |
| Norepinephrine (Levophed) | 0.06 mcg/Kg/min | | |
| Vasopressin | None | ----- | ----- |
| Neo-Syneprine (phenylephrine) | None | ----- | ----- |
| Epinephrine | None | ----- | ----- |
| Dopamine | None | ----- | ----- |
| Heparin | | 30,000 | |

Initial Autoantibody Screening (nPOD):

| | |
|----------|----------|
| GAD-65 | IA-2 |
| Positive | Negative |

Confirmatory results (University of Florida) *

| | GAD-65 (unit/ml) | IA-2 (unit/ml) | Insulin AAB (unit/ml) | ZnT8 (unit/ml) | C-peptide (ng/ml) | Proinsulin |
|----------------|---------------------|-------------------|--------------------------|-------------------|----------------------|------------|
| Results | 360 | 0 | -0.003 | 0.007 | 27.05 | ND |
| Cut-off values | 20 | 5 | 0.010 | 0.020 | ----- | ----- |

*Sample obtained at time of organ recovery

HLA (OPO)*

| | | | | | | | |
|----------|-----|----------|------|----------|-------|----------|----|
| Class 1 | A | 1 | 1 | Class II | DR | 7 | 15 |
| | B | 57 | 57` | | DR51 | Positive | |
| | C | 6 | 6 | | DR52 | Negative | |
| | Bw4 | Positive | | | DR53 | Negative | |
| | Bw6 | Negative | | | DQB1 | 6 | 9 |
| | | | | | DQA1 | 01 | 02 |
| | | | | | DPA1 | 01 | 01 |
| | | | DPB1 | 04:01 | 04:02 | | |
| | | | | | | | |
| Comment: | | | | | | | |

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Confirmatory HLA (UPENN)*

| | | | | | | | |
|---------|---|-------|-------|----------|--------|-------|--------|
| Class I | A | 01:01 | ----- | Class II | DRB1 | 15:01 | 7:01 |
| | B | 57:01 | ----- | | DRB3 | ----- | ----- |
| | C | 06:02 | ----- | | DRB4 | ----- | 01:03N |
| | | | | | DRB5 | 01:01 | ----- |
| | | | | | DQB1 | 03:03 | 06:02 |
| | | | | | DQA1 | 01:02 | 02:01 |
| | | | | | DPB1** | 04:01 | 04:02 |
| | | | | | DPA1 | 01:03 | ----- |

*HLA typing performed using NGS

**DPB1 105:01, 126:01 Allele combination was not R/O

Infectious Disease Serology

| Test | Result | Hemo/Plasma Dilution Status | |
|-----------------|----------|-----------------------------|---------------|
| | | Qualified | Non-Qualified |
| EBV IgG | Positive | Yes | ----- |
| EBV IgM | Negative | Yes | ----- |
| CMV | Positive | Yes | ----- |
| HBcAb | Negative | Yes | ----- |
| HBsAg | Negative | Yes | ----- |
| HCV Ab | Negative | Yes | ----- |
| HIV I/II | Negative | Yes | ----- |
| Syphilis | Negative | Yes | ----- |
| Procleix Ultrio | ND | ----- | ----- |
| Ultrio HBV | Negative | Yes | ----- |
| Ultrio HCV | Negative | Yes | ----- |
| Ultrio HIV | Negative | Yes | ----- |
| Toxoplasma Ab | Negative | Yes | ----- |

Laboratory Panel

| | Initial | Peak | Terminal |
|----------------------------|----------------------------|------|----------|
| Na (140 – 160) | 138 | 145 | 143 |
| Creatinine (<1.5) | 0.82 | 6.04 | 6.04 |
| Glucose (60-150) | 153 | 375 | 177 |
| HbA1C% | 5.2 after RBC/FFP infusion | | |
| Total bilirubin (0-1-0) | 1.3 | 1.9 | 1.0 |
| SGOT (AST) (0-40) | 45 | 270 | 113 |
| SGPT (ALT) (5-35) | 12 | 255 | 111 |
| Alkaline phosphatase (u/L) | 56 | 60 | 47 |
| Serum Amylase (u/L) | 85 | 85 | 66 |
| Serum Lipase (0-80) | 27 | 27 | 11 |
| WBC (THO/uL) | 22.1 | 27.4 | 13.7 |
| Hgb (g/dL) | 9.8 | 9.8 | 5.8 |
| Platelets (THO/uL) | 196 | 225 | 58 |
| INR | 2.0 | 3.3 | 1.6 |



Urinalysis

| | 1 st | 2 nd | 3 rd | 4 th |
|---------|-----------------|-----------------|-----------------|-----------------|
| Glucose | +1 | 2+ | 1+ | |

Medications During Hospitalization

| | |
|----------------------------|--------------------------------------|
| Steroids** | ----- |
| Diuretics | Lasix (120mg) in OR |
| T3 Protocol | ----- |
| T4 Protocol* | Yes, 80mcg/hr. continued in OR |
| Insulin** | Yes, 9.9 – 12.9 units/hr. for 8 hrs. |
| Antihypertensive | ----- |
| Vasodilators | ----- |
| DDAVP** | ----- |
| Total parenteral nutrition | |
| Other | |
| | 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