|  |  |
| --- | --- |
| Palladium | Oak Hill |
| 10%   |  |  | | --- | --- | | No | ERNE23, ERNE33, ERNE40, ERNE48, ERNE61, ERNE67 | | Partial | ERNE25, ERNE27, ERNE32, ERNE39, ERNE58, ERNE62 | | Full | ERNE38, ERNE44, ERNE59, ERNE70 | | **10%**   |  |  | | --- | --- | | No |  | | Partial |  | | Full | ERNE10, ERNE12 | |
| 20%   |  |  | | --- | --- | | No | ERNE30, ERNE34, ERNE50, ERNE54, ERNE60, ERNE72 | | Partial | ERNE47, ERNE49, ERNE51, ERNE53, ERNE71 | | Full | ERNE41, ERNE45, ERNE56, ERNE63, ERNE69 | | **20%**   |  |  | | --- | --- | | No |  | | Partial | ERNE21 | | Full | ERNE19 | |
| 30%   |  |  | | --- | --- | | No | ERNE29, ERNE31, ERNE36, ERNE52, ERNE66 | | Partial | ERNE35, ERNE43, ERNE55, ERNE64, ERNE68 | | Full | ERNE26, ERNE57, ERNE65 | | **30%**   |  |  | | --- | --- | | No | ERNE05 | | Partial | ERNE20 | | Full | ERNE07, ERNE14 | |

**CAROTID FLOW**

1. Vendor Differences Within Each Hemorrhage Level

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Palladium Mean | Oak Hill Mean | p-value | Significant Difference? |
| 10 | 295.01 | 216.81 | 0.4609 | No |
| 20 | 315.69 | 251.87 | 0.2712 | No |
| 30 | **298.68** | **200.38** | **0.0094** | **Yes** |

2. Overall Vendor Comparison (Ignoring Groups)

|  |  |  |  |
| --- | --- | --- | --- |
| Palladium Mean | Oak Hill Mean | p-value | Significant Difference? |
| 303.32 | 217.36 | 0.0023 | Yes |

**RENAL FLOW**

1. Vendor Differences Within Each Hemorrhage Level

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Palladium Mean | Oak Hill Mean | p-value | Significant Difference? |
| 10 | 215.28 | 216.16 | 0.9474 | No |
| 20 | 261.81 | 183.04 | 0.1096 | No |
| 30 | 251.38 | 155.03 | 0.00079 | Yes |

2. Overall Vendor Comparison (Ignoring Groups)

|  |  |  |  |
| --- | --- | --- | --- |
| Palladium Mean | Oak Hill Mean | p-value | Significant Difference? |
| 242.45 | 177.31 | 0.00057 | Yes |

**MAP**

1. Vendor Differences Within Each Hemorrhage Level

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Palladium Mean | Oak Hill Mean | p-value | Significant Difference? |
| 10 | 63.52 | 62.21 | 0.3914 | No |
| 20 | 66.57 | 60.94 | 0.0520 | No |
| 30 | 65.54 | 61.90 | 0.4937 | No |

2. Overall Vendor Comparison (Ignoring Groups)

|  |  |  |  |
| --- | --- | --- | --- |
| Palladium Mean | Oak Hill Mean | p-value | Significant Difference? |
| 65.19 | 61.74 | 0.1656 | No |

**Cardiac Performance Parameters**

1. Vendor Differences Within Each Hemorrhage Level

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Hemorrhage Level | Palladium Mean | Oak Hill Mean | p-value | Significant Difference? |
| Heart Rate | 10 | 96.18 | 103.01 | 0.2736 | No |
| Heart Rate | 20 | 89.42 | 125.36 | 0.3562 | No |
| Heart Rate | 30 | 94.57 | 140.11 | 0.00014 | Yes |
| Cardiac Output | 10 | 5007.86 | 6730.13 | 0.6063 | No |
| Cardiac Output | 20 | 4257.63 | 4267.61 | 0.9879 | No |
| Cardiac Output | 30 | 5199.92 | 6909.27 | 0.1143 | No |
| ESP | 10 | 71.40 | 65.64 | 0.1487 | No |
| ESP | 20 | 76.19 | 70.09 | 0.1355 | No |
| ESP | 30 | 74.00 | 69.53 | 0.4121 | No |
| EDP | 10 | 4.09 | 3.51 | 0.3730 | No |
| EDP | 20 | 4.28 | 2.22 | 1.36e-05 | Yes |
| EDP | 30 | 4.84 | 2.56 | 0.0056 | Yes |

2. Overall Vendor Comparison (Ignoring Groups)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Palladium Mean | Oak Hill Mean | p-value | Significant Difference? |
| Heart Rate | 93.36 | 127.15 | 0.0024 | Yes |
| Cardiac Output | 4813.21 | 6204.07 | 0.1055 | No |
| ESP | 73.86 | 68.69 | 0.0773 | No |
| EDP | 4.39 | 2.71 | 0.00018 | Yes |

**Instrumentation (min)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 205.38 | 230.00 | 0.138 | No |
| 20 | 206.25 | 289.00 | 0.250 | No |
| 30 | 201.93 | 228.75 | 0.371 | No |

**Avg. Inhaled Isoflurane (%)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 1.77 | 1.80 | 0.797 | No |
| 20 | 1.84 | 1.90 | 0.807 | No |
| 30 | 1.81 | 1.95 | 0.368 | No |

**Norepinephrine Inst. (mcg)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 355.39 | 371.14 | 0.944 | No |
| 20 | 296.06 | 620.26 | 0.168 | No |
| 30 | 341.64 | 369.96 | 0.867 | No |

**Crystalloids Inst. (mL)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 4376.32 | 3897.42 | 0.359 | No |
| 20 | 4587.38 | 5818.18 | 0.401 | No |
| 30 | 4537.55 | 4595.47 | 0.923 | No |

**Plasmalyte/Time**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 21.43 | 17.03 | 0.259 | No |
| 20 | 22.22 | 20.04 | 0.110 | No |
| 30 | 22.61 | 20.10 | **0.030** | Yes |

**Crystalloids Exp. (mL)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 2985.77 | 5729.86 | 0.139 | No |
| 20 | 2986.17 | 3777.43 | 0.791 | No |
| 30 | 3421.79 | 3276.74 | 0.895 | No |

**Heparin (mL)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 5.64 | 6.30 | 0.245 | No |
| 20 | 5.90 | 6.55 | **0.00009** | Yes |
| 30 | 5.78 | 5.78 | 0.993 | No |

**Norepi/weight**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 5.72 | 5.67 | 0.991 | No |
| 20 | 4.55 | 8.74 | 0.207 | No |
| 30 | 5.31 | 5.73 | 0.871 | No |

**Weight (kg)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 61.98 | 67.15 | 0.349 | No |
| 20 | 64.47 | 71.20 | **0.020** | Yes |
| 30 | 64.62 | 63.45 | 0.707 | No |

**Heparin/wt (mL/kg)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hemorrhage Level | Mean (Palladium) | Mean (Oak Hill) | p-value | Significant? |
| 10 | 0.0912 | 0.0938 | 0.095 | No |
| 20 | 0.0915 | 0.0920 | 0.862 | No |
| 30 | 0.0895 | 0.0908 | 0.676 | No |