**Descriptive Statistics - 3 Group Comparison**

**% difference in SBP = [(CA - Peripheral) / CA] x 100**

**If |Difference| is >=10%, 15%, 20%**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **BL** | **RL** | **RS** | **P-value\*\*** |
| **SBP Post CPB - 2 mins** |  |  |  | 0.006 |
| <10% Difference | 76.47% (52/68) | 65.08% (41/63) | 50.00% (34/68) |  |
| >=10% Difference | 23.53% (16/68) | 34.92% (22/63) | 50.00% (34/68) |  |
|  |  |  |  | <.001 |
| <15% Difference | 91.18% (62/68) | 76.19% (48/63) | 58.82% (40/68) |  |
| >=15% Difference | 8.82% (6/68) | 23.81% (15/63) | 41.18% (28/68) |  |
|  |  |  |  | 0.002 |
| <20% Difference | 94.12% (64/68) | 85.71% (54/63) | 72.06% (49/68) |  |
| >=20% Difference | 5.88% (4/68) | 14.29% (9/63) | 27.94% (19/68) |  |
| **SBP Post CPB - 10 mins** |  |  |  | 0.017 |
| <10% Difference | 79.41% (54/68) | 62.90% (39/62) | 57.35% (39/68) |  |
| >=10% Difference | 20.59% (14/68) | 37.10% (23/62) | 42.65% (29/68) |  |
|  |  |  |  | 0.018 |
| <15% Difference | 89.71% (61/68) | 77.42% (48/62) | 70.59% (48/68) |  |
| >=15% Difference | 10.29% (7/68) | 22.58% (14/62) | 29.41% (20/68) |  |
|  |  |  |  | 0.087 |
| <20% Difference | 94.12% (64/68) | 85.48% (53/62) | 82.35% (56/68) |  |
| >=20% Difference | 5.88% (4/68) | 14.52% (9/62) | 17.65% (12/68) |  |
| **SBP Max Diff Post CPB (2m or 10m)** |  |  |  | 0.015 |
| <10% Difference | 64.71% (44/68) | 50.79% (32/63) | 39.71% (27/68) |  |
| >=10% Difference | 35.29% (24/68) | 49.21% (31/63) | 60.29% (41/68) |  |
|  |  |  |  | <.001 |
| <15% Difference | 85.29% (58/68) | 63.49% (40/63) | 52.94% (36/68) |  |
| >=15% Difference | 14.71% (10/68) | 36.51% (23/63) | 47.06% (32/68) |  |
|  |  |  |  | 0.001 |
| <20% Difference | 91.18% (62/68) | 75.81% (47/62) | 66.18% (45/68) |  |
| >=20% Difference | 8.82% (6/68) | 24.19% (15/62) | 33.82% (23/68) |  |

**Descriptive Statistics - BL vs RL**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **BL** | **RL** | **Difference (95% CI)** | **P-value\*\*** |
| **SBP Post CPB - 2 mins** |  |  |  | 0.179 |
| <10% Difference | 76.47% (52/68) | 65.08% (41/63) | 11.39%[-4.11%,26.89%] |  |
| >=10% Difference | 23.53% (16/68) | 34.92% (22/63) | -11.39%[-26.89%,4.11%] |  |
|  |  |  |  | 0.030 |
| <15% Difference | 91.18% (62/68) | 76.19% (48/63) | 14.99%[2.49%,27.48%] |  |
| >=15% Difference | 8.82% (6/68) | 23.81% (15/63) | -14.99%[-27.48%,-2.49%] |  |
|  |  |  |  | 0.146 |
| <20% Difference | 94.12% (64/68) | 85.71% (54/63) | 8.40%[-1.89%,18.70%] |  |
| >=20% Difference | 5.88% (4/68) | 14.29% (9/63) | -8.40%[-18.70%,1.89%] |  |
| **SBP Post CPB - 10 mins** |  |  |  | 0.051 |
| <10% Difference | 79.41% (54/68) | 62.90% (39/62) | 16.51%[1.12%,31.90%] |  |
| >=10% Difference | 20.59% (14/68) | 37.10% (23/62) | -16.51%[-31.90%,-1.12%] |  |
|  |  |  |  | 0.093 |
| <15% Difference | 89.71% (61/68) | 77.42% (48/62) | 12.29%[-0.38%,24.95%] |  |
| >=15% Difference | 10.29% (7/68) | 22.58% (14/62) | -12.29%[-24.95%,0.38%] |  |
|  |  |  |  | 0.144 |
| <20% Difference | 94.12% (64/68) | 85.48% (53/62) | 8.63%[-1.77%,19.03%] |  |
| >=20% Difference | 5.88% (4/68) | 14.52% (9/62) | -8.63%[-19.03%,1.77%] |  |
| **SBP Max Diff Post CPB (2m or 10m)** |  |  |  | 0.115 |
| <10% Difference | 64.71% (44/68) | 50.79% (32/63) | 13.91%[-2.86%,30.69%] |  |
| >=10% Difference | 35.29% (24/68) | 49.21% (31/63) | -13.91%[-30.69%,2.86%] |  |
|  |  |  |  | 0.005 |
| <15% Difference | 85.29% (58/68) | 63.49% (40/63) | 21.80%[7.24%,36.37%] |  |
| >=15% Difference | 14.71% (10/68) | 36.51% (23/63) | -21.80%[-36.37%,-7.24%] |  |
|  |  |  |  | 0.030 |
| <20% Difference | 91.18% (62/68) | 75.81% (47/62) | 15.37%[2.76%,27.98%] |  |
| >=20% Difference | 8.82% (6/68) | 24.19% (15/62) | -15.37%[-27.98%,-2.76%] |  |

**Descriptive Statistics - BL vs RS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **BL** | **RS** | **Difference (95% CI)** | **P-value\*\*** |
| **SBP Post CPB - 2 mins** |  |  |  | 0.002 |
| <10% Difference | 76.47% (52/68) | 50.00% (34/68) | 26.47%[10.89%,42.06%] |  |
| >=10% Difference | 23.53% (16/68) | 50.00% (34/68) | -26.47%[-42.06%,-10.89%] |  |
|  |  |  |  | <.001 |
| <15% Difference | 91.18% (62/68) | 58.82% (40/68) | 32.35%[18.85%,45.85%] |  |
| >=15% Difference | 8.82% (6/68) | 41.18% (28/68) | -32.35%[-45.85%,-18.85%] |  |
|  |  |  |  | 0.001 |
| <20% Difference | 94.12% (64/68) | 72.06% (49/68) | 22.06%[10.02%,34.10%] |  |
| >=20% Difference | 5.88% (4/68) | 27.94% (19/68) | -22.06%[-34.10%,-10.02%] |  |
| **SBP Post CPB - 10 mins** |  |  |  | 0.009 |
| <10% Difference | 79.41% (54/68) | 57.35% (39/68) | 22.06%[6.88%,37.24%] |  |
| >=10% Difference | 20.59% (14/68) | 42.65% (29/68) | -22.06%[-37.24%,-6.88%] |  |
|  |  |  |  | 0.009 |
| <15% Difference | 89.71% (61/68) | 70.59% (48/68) | 19.12%[6.10%,32.14%] |  |
| >=15% Difference | 10.29% (7/68) | 29.41% (20/68) | -19.12%[-32.14%,-6.10%] |  |
|  |  |  |  | 0.060 |
| <20% Difference | 94.12% (64/68) | 82.35% (56/68) | 11.76%[1.12%,22.41%] |  |
| >=20% Difference | 5.88% (4/68) | 17.65% (12/68) | -11.76%[-22.41%,-1.12%] |  |
| **SBP Max Diff Post CPB (2m or 10m)** |  |  |  | 0.006 |
| <10% Difference | 64.71% (44/68) | 39.71% (27/68) | 25.00%[8.74%,41.26%] |  |
| >=10% Difference | 35.29% (24/68) | 60.29% (41/68) | -25.00%[-41.26%,-8.74%] |  |
|  |  |  |  | <.001 |
| <15% Difference | 85.29% (58/68) | 52.94% (36/68) | 32.35%[17.81%,46.90%] |  |
| >=15% Difference | 14.71% (10/68) | 47.06% (32/68) | -32.35%[-46.90%,-17.81%] |  |
|  |  |  |  | <.001 |
| <20% Difference | 91.18% (62/68) | 66.18% (45/68) | 25.00%[11.89%,38.11%] |  |
| >=20% Difference | 8.82% (6/68) | 33.82% (23/68) | -25.00%[-38.11%,-11.89%] |  |

**Descriptive Statistics - RL vs RS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **RL** | **RS** | **Difference (95% CI)** | **P-value\*\*** |
| **SBP Post CPB - 2 mins** |  |  |  | 0.111 |
| <10% Difference | 65.08% (41/63) | 50.00% (34/68) | 15.08%[-1.65%,31.81%] |  |
| >=10% Difference | 34.92% (22/63) | 50.00% (34/68) | -15.08%[-31.81%,1.65%] |  |
|  |  |  |  | 0.041 |
| <15% Difference | 76.19% (48/63) | 58.82% (40/68) | 17.37%[1.64%,33.10%] |  |
| >=15% Difference | 23.81% (15/63) | 41.18% (28/68) | -17.37%[-33.10%,-1.64%] |  |
|  |  |  |  | 0.087 |
| <20% Difference | 85.71% (54/63) | 72.06% (49/68) | 13.66%[-0.07%,27.38%] |  |
| >=20% Difference | 14.29% (9/63) | 27.94% (19/68) | -13.66%[-27.38%,0.07%] |  |
| **SBP Post CPB - 10 mins** |  |  |  | 0.592 |
| <10% Difference | 62.90% (39/62) | 57.35% (39/68) | 5.55%[-11.27%,22.37%] |  |
| >=10% Difference | 37.10% (23/62) | 42.65% (29/68) | -5.55%[-22.37%,11.27%] |  |
|  |  |  |  | 0.428 |
| <15% Difference | 77.42% (48/62) | 70.59% (48/68) | 6.83%[-8.19%,21.85%] |  |
| >=15% Difference | 22.58% (14/62) | 29.41% (20/68) | -6.83%[-21.85%,8.19%] |  |
|  |  |  |  | 0.643 |
| <20% Difference | 85.48% (53/62) | 82.35% (56/68) | 3.13%[-9.48%,15.74%] |  |
| >=20% Difference | 14.52% (9/62) | 17.65% (12/68) | -3.13%[-15.74%,9.48%] |  |
| **SBP Max Diff Post CPB (2m or 10m)** |  |  |  | 0.222 |
| <10% Difference | 50.79% (32/63) | 39.71% (27/68) | 11.09%[-5.87%,28.05%] |  |
| >=10% Difference | 49.21% (31/63) | 60.29% (41/68) | -11.09%[-28.05%,5.87%] |  |
|  |  |  |  | 0.288 |
| <15% Difference | 63.49% (40/63) | 52.94% (36/68) | 10.55%[-6.24%,27.35%] |  |
| >=15% Difference | 36.51% (23/63) | 47.06% (32/68) | -10.55%[-27.35%,6.24%] |  |
|  |  |  |  | 0.252 |
| <20% Difference | 75.81% (47/62) | 66.18% (45/68) | 9.63%[-5.86%,25.12%] |  |
| >=20% Difference | 24.19% (15/62) | 33.82% (23/68) | -9.63%[-25.12%,5.86%] |  |

\*\*Fisher’s Exact Test