**Suppl 2.** **Demographics and laboratory variables according to iron deficiency in High Altitude Anemia and High Altitude Erythrocytosis patients.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Baseline Variable** | **Non Iron Deficiency** | | **Iron Deficiency** | | **P-value** |
| **Median (IQR) or N. (%)** | **N** | **Median (IQR) or N. (%)** | **N** |
| Age (years) | 54 (45 - 62) | 174 | 44.5 (37 - 57.5) | 112 | 0.0029 |
| Female gender | 87(50%) | 174 | 75(67%) | 112 | 0.0050 |
| WBC (per uL) | 5900 (4965 - 7062) | 174 | 5350 (4450 - 6600) | 112 | 0.010 |
| Neutrophils (per uL) | 3575 (2852 - 4435) | 174 | 3280 (2500 - 4025) | 112 | 0.081 |
| Lymphocytes (per uL) | 1915 (1411 - 2268) | 174 | 1630 (1248 - 2112) | 112 | 0.022 |
| Platelets (x103/uL) | 199.5 (157.2 - 249.8) | 174 | 322 (190 - 432) | 111 | <0.001 |
| Transferrin (mg/dL) | 312 (253 - 360) | 174 | 367 (278 - 426) | 112 | <0.001 |
| High Altitude Anemia versus High Altitude Erythrocytosis | 59(33.9%) | 174 | 78(69.6%) | 112 | <0.001 |
| History of thrombosis | 12(6.9%) | 174 | 18(16.1%) | 112 | 0.017 |
| History of venous thrombosis | 9(5.17%) | 174 | 11(9.82%) | 112 | 0.16 |
| History of arterial thrombosis | 4(2.3%) | 174 | 7(6.25%) | 112 | 0.12 |