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| **Table 3 Baseline Table of External Dataset** | | | | |
| **variables** | **External Group**  **(N=** **4783)** | **AS**  **（N=1724）** | **N-AS**  **（N=3059）** | **P-value** |
| **Age** |  |  |  | <0.001 |
| Mean (SD) | 41.0 (18.5) | 30.7 (10.3) | 46.9 (19.6) |  |
| Median [Min, Max] | 37.0 [2.00, 93.0] | 29.0 [8.00, 78.0] | 48.0 [2.00, 93.0] |  |
| **Gender** |  |  |  | <0.001 |
| Male | 60.90% | 78.36% | 51.13% |  |
| Female | 39.10% | 21.64% | 48.87% |  |
| **ESR** |  |  |  | 0.422 |
| Mean (SD) | 25.5 (23.6) | 25.2 (21.6) | 25.7 (24.7) |  |
| Median [Min, Max] | 17.0 [1.00, 130] | 18.0 [1.00, 130] | 17.0 [1.00, 130] |  |
| **WBC** |  |  |  | 0.402 |
| Mean (SD) | 7.88 (2.58) | 7.84 (2.10) | 7.90 (2.81) |  |
| Median [Min, Max] | 7.47 [1.89, 28.8] | 7.60 [2.83, 18.6] | 7.37 [1.89, 28.8] |  |
| **RBC** |  |  |  | <0.001 |
| Mean (SD) | 4.83 (0.739) | 5.10 (0.659) | 4.68 (0.739) |  |
| Median [Min, Max] | 4.82 [1.82, 7.78] | 5.04 [2.39, 7.78] | 4.67 [1.82, 7.54] |  |
| **Hb** |  |  |  | <0.001 |
| Mean (SD) | 133 (19.2) | 138 (16.4) | 130 (20.1) |  |
| Median [Min, Max] | 135 [43.9, 192] | 139 [45.0, 178] | 131 [43.9, 192] |  |
| **HCT** |  |  |  | <0.001 |
| Mean (SD) | 0.405 (0.0532) | 0.422 (0.0432) | 0.395 (0.0559) |  |
| Median [Min, Max] | 0.410 [0.144, 0.548] | 0.426 [0.208, 0.530] | 0.400 [0.144, 0.548] |  |
| **MCV** |  |  |  | <0.001 |
| Mean (SD) | 84.6 (9.11) | 83.5 (9.02) | 85.2 (9.12) |  |
| Median [Min, Max] | 86.6 [48.1, 124] | 85.6 [51.3, 118] | 87.2 [48.1, 124] |  |
| **MCH** |  |  |  | <0.001 |
| Mean (SD) | 27.8 (3.59) | 27.3 (3.59) | 28.0 (3.56) |  |
| Median [Min, Max] | 28.7 [13.3, 41.3] | 28.2 [13.6, 39.3] | 28.9 [13.3, 41.3] |  |
| **MCHC** |  |  |  | <0.001 |
| Mean (SD) | 328 (13.1) | 326 (13.4) | 328 (12.9) |  |
| Median [Min, Max] | 328 [216, 383] | 327 [216, 375] | 329 [253, 383] |  |
| **PLT** |  |  |  | <0.001 |
| Mean (SD) | 295 (91.1) | 307 (86.3) | 289 (93.2) |  |
| Median [Min, Max] | 281 [10.4, 1170] | 292 [31.0, 749] | 275 [10.4, 1170] |  |
| **MPV** |  |  |  | 0.313 |
| Mean (SD) | 8.72 (1.45) | 8.69 (1.67) | 8.74 (1.32) |  |
| Median [Min, Max] | 8.70 [5.09, 53.1] | 8.70 [5.32, 53.1] | 8.70 [5.09, 20.6] |  |
| **PDW** |  |  |  | <0.001 |
| Mean (SD) | 0.141 (0.0347) | 0.137 (0.0405) | 0.144 (0.0307) |  |
| Median [Min, Max] | 0.160 [0.0700, 1.08] | 0.160 [0.0700, 1.08] | 0.160 [0.0700, 0.350] |  |

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| **Table 3 (Continued) Baseline Table of External Dataset** | | | | |
| **variables** | **External Group**  **(N=** **4783)** | **AS**  **（N=1724）** | **N-AS**  **（N=3059）** | **P-value** |
| **GRAN** |  |  |  | <0.001 |
| Mean (SD) | 5.03 (2.37) | 5.80 (1.75) | 5.16 (2.64) |  |
| Median [Min, Max] | 4.56 [0.960, 25.5] | 4.59 [1.28, 15.8] | 4.54 [0.960, 25.5] |  |
| **NEUT** |  |  |  | <0.001 |
| Mean (SD) | 0.622 (0.111) | 0.692 (0.0920) | 0.633 (0.119) |  |
| Median [Min, Max] | 0.620 [0.220, 0.969] | 0.607 [0.304, 0.880] | 0.627 [0.220, 0.969] |  |
| **LYMF** |  |  |  | <0.001 |
| Mean (SD) | 2.05 (0.796) | 2.21 (0.668) | 1.96 (0.846) |  |
| Median [Min, Max] | 1.99 [0.150, 13.2] | 2.14 [0.530, 5.88] | 1.89 [0.150, 13.2] |  |
| **LYM%** |  |  |  | <0.001 |
| Mean (SD) | 0.274 (0.0979) | 0.291 (0.0816) | 0.265 (0.105) |  |
| Median [Min, Max] | 0.274 [0.0190, 0.702] | 0.285 [0.0650, 0.577] | 0.268 [0.0190, 0.702] |  |
| **MONO** |  |  |  | <0.001 |
| Mean (SD) | 0.586 (0.239) | 0.606 (0.224) | 0.575 (0.246) |  |
| Median [Min, Max] | 0.550 [0.0300, 2.65] | 0.570 [0.0300, 2.65] | 0.540 [0.0400, 2.36] |  |
| **MONO%** |  |  |  | <0.001 |
| Mean (SD) | 0.0760 (0.0231) | 0.0782 (0.0222) | 0.0748 (0.0235) |  |
| Median [Min, Max] | 0.0740 [0.00300, 0.210] | 0.0753 [0.00300, 0.189] | 0.0730 [0.0038, 0.210] |  |
| **EOS** |  |  |  | 0.214 |
| Mean (SD) | 0.172 (0.226) | 0.177 (0.159) | 0.170 (0.256) |  |
| Median [Min, Max] | 0.120 [0, 9.94] | 0.130 [0, 1.62] | 0.120 [0, 9.94] |  |
| **EOS%** |  |  |  | 0.566 |
| Mean (SD) | 0.0228 (0.0230) | 0.0230 (0.0193) | 0.0226 (0.0249) |  |
| Median [Min, Max] | 0.0170 [0, 0.582] | 0.0180 [0, 0.158] | 0.0162 [0, 0.582] |  |
| **BASO** |  |  |  | <0.001 |
| Mean (SD) | 0.0378 (0.0426) | 0.0406 (0.0339) | 0.0363 (0.0467) |  |
| Median [Min, Max] | 0.0300 [0, 1.89] | 0.0400 [0, 0.800] | 0.0300 [0, 1.89] |  |
| **BASO%** |  |  |  | 0.007 |
| Mean (SD) | 0.00505 (0.00535) | 0.00530 (0.00353) | 0.00492 (0.00613) |  |
| Median [Min, Max] | 0.00440 [0, 0.253] | 0.00500 [0, 0.0610] | 0.00400 [0, 0.253] |  |
| **RDW-CV** |  |  |  | 0.385 |
| Mean (SD) | 0.140 (0.0223) | 0.140 (0.0217) | 0.140 (0.0226) |  |
| Median [Min, Max] | 0.130 [0.110, 0.360] | 0.130 [0.110, 0.310] | 0.130 [0.110, 0.360] |  |
| **PCT** |  |  |  | <0.001 |
| Mean (SD) | 0.254 (0.0819) | 0.263 (0.0859) | 0.249 (0.0791) |  |
| Median [Min, Max] | 0.241 [0.0110, 2.20] | 0.250 [0.0260, 2.20] | 0.240 [0.0110, 0.910] |  |