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| **Table 1 Baseline Table of the internal dataset training group** | | | | |
| **variables** | **Training Group**  **(N=** **6856)** | **AS**  **（N=2588）** | **N-AS**  **（N=4268）** | **P-value** |
| **Age** |  |  |  | <0.001 |
| Mean (SD) | 38.0 (12.0) | 35.4 (9.37) | 39.5 (13.1) |  |
| Median [Min, Max] | 36.0 [18.0, 73.0] | 34.0 [18.0, 71.0] | 37.0 [18.0, 73.0] |  |
| **Gender** |  |  |  | <0.001 |
| Male | 66.86% | 83.18% | 57.07% |  |
| Female | 33.14% | 16.82% | 42.93% |  |
| **ESR** |  |  |  | <0.001 |
| Mean (SD) | 25.6 (23.2) | 27.3 (24.5) | 24.6 (22.3) |  |
| Median [Min, Max] | 17.0 [2.00, 97.0] | 17.0 [2.00, 97.0] | 17.0 [2.00, 97.0] |  |
| **WBC** |  |  |  | 0.017 |
| Mean (SD) | 7.71 (2.51) | 7.77 (2.57) | 7.67 (2.48) |  |
| Median [Min, Max] | 7.28 [3.46, 17.5] | 7.28 [3.46, 17.5] | 7.27 [3.46, 17.5] |  |
| **RBC** |  |  |  | 0.256 |
| Mean (SD) | 4.74 (0.738) | 4.73 (0.728) | 4.75 (0.744) |  |
| Median [Min, Max] | 4.73 [1.62, 7.81] | 4.72 [1.62, 7.69] | 4.75 [1.68, 7.81] |  |
| **Hb** |  |  |  | 0.358 |
| Mean (SD) | 131 (19.7) | 131 (19.4) | 131 (19.9) |  |
| Median [Min, Max] | 133 [56.6, 188] | 132 [61.5, 188] | 133 [56.6, 186] |  |
| **HCT** |  |  |  | 0.172 |
| Mean (SD) | 0.398 (0.0562) | 0.397 (0.0553) | 0.399 (0.0567) |  |
| Median [Min, Max] | 0.401 [0.145, 0.684] | 0.400 [0.160, 0.551] | 0.403 [0.145, 0.684] |  |
| **MCV** |  |  |  | 0.907 |
| Mean (SD) | 84.6 (9.32) | 84.6 (9.31) | 84.6 (9.32) |  |
| Median [Min, Max] | 86.7 [50.1, 143] | 86.7 [51.1, 122] | 86.8 [50.1, 143] |  |
| **MCH** |  |  |  | 0.745 |
| Mean (SD) | 27.9 (3.63) | 27.9 (3.61) | 27.9 (3.65) |  |
| Median [Min, Max] | 28.8 [14.2, 48.3] | 28.9 [15.6, 40.4] | 28.8 [14.2, 48.3] |  |
| **MCHC** |  |  |  | <0.001 |
| Mean (SD) | 328 (13.5) | 329 (12.8) | 327 (13.9) |  |
| Median [Min, Max] | 329 [236, 375] | 330 [273, 375] | 329 [236, 366] |  |
| **PLT** |  |  |  | 0.591 |
| Mean (SD) | 286 (93.9) | 287 (96.8) | 286 (92.1) |  |
| Median [Min, Max] | 271 [105, 628] | 270 [105, 628] | 271 [105, 628] |  |
| **MPV** |  |  |  | <0.001 |
| Mean (SD) | 8.55 (1.47) | 8.45 (1.23) | 8.62 (1.60) |  |
| Median [Min, Max] | 8.40 [5.01, 52.3] | 8.32 [5.53, 20.2] | 8.40 [5.01, 52.3] |  |
| **PDW** |  |  |  | <0.001 |
| Mean (SD) | 0.150 (0.0318) | 0.152 (0.0271) | 0.148 (0.0343) |  |
| Median [Min, Max] | 0.160 [0.0700, 1.06] | 0.160 [0.0700, 0.340] | 0.160 [0.0700, 1.06] |  |

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| **Table 1 (continued) Baseline Table of the internal dataset training group** | | | | |
| **variables** | **Training Group**  **(N=** **6856)** | **AS**  **（N=2588）** | **N-AS**  **（N=4268）** | **P-value** |
| **GRAN** |  |  |  | <0.001 |
| Mean (SD) | 5.01 (2.26) | 5.43 (2.40) | 4.76 (2.13) |  |
| Median [Min, Max] | 4.54 [1.68, 13.7] | 4.93 [1.68, 13.7] | 4.31 [1.68, 13.7] |  |
| **NEUT** |  |  |  | <0.001 |
| Mean (SD) | 0.609 (0.104) | 0.622 (0.104) | 0.601 (0.102) |  |
| Median [Min, Max] | 0.609 [0.0360, 0.970] | 0.617 [0.326, 0.970] | 0.605 [0.0360, 0.846] |  |
| **LYMF** |  |  |  | 0.0789 |
| Mean (SD) | 2.08 (0.704) | 2.10 (0.706) | 2.07 (0.702) |  |
| Median [Min, Max] | 2.00 [0.686, 4.46] | 2.01 [0.686, 4.46] | 2.00 [0.686, 4.46] |  |
| **LYM%** |  |  |  | 0.043 |
| Mean (SD) | 0.285 (0.0923) | 0.287 (0.0913) | 0.284 (0.0929) |  |
| Median [Min, Max] | 0.283 [0.0810, 0.527] | 0.284 [0.0810, 0.527] | 0.283 [0.0810, 0.527] |  |
| **MONO** |  |  |  | 0.57 |
| Mean (SD) | 0.587 (0.267) | 0.585 (0.270) | 0.589 (0.266) |  |
| Median [Min, Max] | 0.540 [0, 6.09] | 0.540 [0, 6.09] | 0.530 [0.0100, 3.96] |  |
| **MONO%** |  |  |  | 0.0231 |
| Mean (SD) | 0.0771 (0.0229) | 0.0763 (0.0226) | 0.0775 (0.0230) |  |
| Median [Min, Max] | 0.0740 [0.0270, 0.154] | 0.0740 [0.0270, 0.154] | 0.0750 [0.0270, 0.154] |  |
| **EOS** |  |  |  | 0.154 |
| Mean (SD) | 0.187 (0.187) | 0.183 (0.187) | 0.189 (0.187) |  |
| Median [Min, Max] | 0.130 [0, 1.12] | 0.120 [0, 1.12] | 0.130 [0, 1.12] |  |
| **EOS%** |  |  |  | 0.0316 |
| Mean (SD) | 0.0252 (0.0236) | 0.0244 (0.0233) | 0.0257 (0.0238) |  |
| Median [Min, Max] | 0.0180 [0, 0.135] | 0.0180 [0, 0.135] | 0.0190 [0, 0.135] |  |
| **BASO** |  |  |  | 0.232 |
| Mean (SD) | 0.0352 (0.0243) | 0.0348 (0.0256) | 0.0355 (0.0235) |  |
| Median [Min, Max] | 0.0300 [0, 0.120] | 0.0300 [0, 0.120] | 0.0300 [0, 0.120] |  |
| **BASO%** |  |  |  | 0.382 |
| Mean (SD) | 0.00502 (0.00254) | 0.00498 (0.00255) | 0.00504 (0.00253) |  |
| Median [Min, Max] | 0.00500 [0, 0.0140] | 0.00500 [0, 0.0140] | 0.00500 [0, 0.0140] |  |
| **RDW-CV** |  |  |  | 0.106 |
| Mean (SD) | 0.140 (0.0224) | 0.141 (0.0223) | 0.140 (0.0225) |  |
| Median [Min, Max] | 0.130 [0.100, 0.370] | 0.130 [0.110, 0.370] | 0.130 [0.100, 0.350] |  |
| **PCT** |  |  |  | 0.0758 |
| Mean (SD) | 0.241 (0.0760) | 0.239 (0.0765) | 0.242 (0.0758) |  |
| Median [Min, Max] | 0.229 [0.0951, 0.515] | 0.226 [0.0951, 0.515] | 0.230 [0.0951, 0.515] |  |