Table 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | OverallN=161 | TrainingN=113 | ValidationN=48 | P-value |
| **Demographic data, n (%)** |  |  |  |  |
| Gender, male (%) |  117 (72.7)  |  81 (71.7)  |  36 (75.0)  | 0.811 |
| Age, years (mean (SD)) |  63.12 (12.08) |  63.33 (12.25) |  62.65 (11.77) | 0.744 |
| **Vascular risk factors, n (%)** |  |  |  |  |
| Hypertension, yes (%) |  75 (46.6)  |  55 (48.7)  |  20 (41.7)  | 0.521 |
| Diabetes, yes (%) |  31 (19.3)  |  24 (21.2)  |  7 (14.6)  | 0.447 |
| Atrial fibrillation, yes (%) |  20 (12.4)  |  15 (13.3)  |  5 (10.4)  | 0.809 |
| Previous stroke, yes (%) |  26 (16.1)  |  19 (16.8)  |  7 (14.6)  | 0.906 |
| Coronary disease, yes (%) |  18 (11.2)  |  10 ( 8.8)  |  8 (16.7)  | 0.243 |
| **Imaging findings, n (%)** |  |  |  |  |
| HMCAS, yes (%) |  25 (15.5)  |  19 (16.8)  |  6 (12.5)  | 0.650 |
| BGC, yes (%) |  33 (20.5)  |  26 (23.0)  |  7 (14.6)  | 0.318 |
| Leukoaraiosis, yes (%) |  54 (33.5)  |  39 (34.5)  |  15 (31.2)  | 0.827 |
| Brain atrophy, yes (%) |  73 (45.3)  |  48 (42.5)  |  25 (52.1)  | 0.344 |
| IAC, yes (%) |  28 (17.4)  |  22 (19.5)  |  6 (12.5)  | 0.401 |
| encephalomalacia, yes(%) |  28 (17.4)  |  20 (17.7)  |  8 (16.7)  | >0.999 |
| lacunar infarction, yes(%) |  91 (56.5)  |  63 (55.8)  |  28 (58.3)  | 0.898 |
| lenticular nucleus obscuration, yes(%) |  12 ( 7.5)  |  6 ( 5.3)  |  6 (12.5)  | 0.207 |
| insular ribbon sign, yes(%) |  11 ( 6.8)  |  8 ( 7.1)  |  3 ( 6.2)  | >0.999 |
| brain tissue swelling sign, yes(%) |  14 ( 8.7)  |  9 ( 8.0)  |  5 (10.4)  | 0.842 |
| **Baseline data** |  |  |  |  |
| Location of lesion，right (%) |  78 (48.4)  |  20 (41.7)  |  58 (51.3)  | 0.342 |
| ASPECT≥6, yes (%) |  40 (24.8)  |  28 (24.8)  |  12 (25.0)  | >0.999 |
| ASPECT (median [IQR]) |  9.00 [8.00, 10.00] |  9.00 [7.50, 10.00] |  9.00 [8.00, 10.00] | 0.902 |
| NIHSS score (median [IQR]) |  15.00 [9.00, 21.00] |  14.00 [9.00, 21.00] |  16.00 [10.00, 21.25] | 0.540 |
| SBP, mmHg (mean (SD)) | 142.89 (24.58) | 141.59 (23.69) | 145.96 (26.56) | 0.304 |
| DBP, mmHg (mean (SD)) |  84.87 (14.46) |  84.16 (12.82) |  86.54 (17.79) | 0.341 |
| IV thrombolysis, yes (%) |  78 (48.4)  |  60 (53.1)  |  18 (37.5)  | 0.101 |
| **Laboratory data** |  |  |  |  |
| NA, mmol/L (median [IQR]) | 140.60 [138.00, 143.00] | 140.00 [138.00, 142.90] | 141.70 [138.23, 143.07] | 0.406 |
| K, mmol/L (median [IQR]) |  3.89 [3.60, 4.10] |  3.90 [3.60, 4.14] |  3.88 [3.60, 4.07] | 0.478 |
| Ca, mmol/L (median [IQR]) |  2.26 [2.15, 2.38] |  2.24 [2.15, 2.38] |  2.27 [2.17, 2.38] | 0.596 |
| Cl, mmol/L (median [IQR]) | 103.00 [101.00, 105.00] | 103.00 [101.00, 105.00] | 103.00 [100.75, 104.78] | 0.897 |
| Crea, umol/L (median [IQR]) |  70.22 [61.20, 92.54] |  69.71 [61.20, 93.08] |  70.34 [61.02, 85.82] | 0.515 |
| LDH, U/L (median [IQR]) | 220.00 [187.00, 263.00] | 222.00 [189.00, 264.00] | 218.00 [176.75, 256.50] | 0.325 |
| LDH1, U/L (median [IQR]) |  30.00 [24.00, 37.00] |  30.00 [24.00, 38.00] |  30.00 [23.75, 36.25] | 0.826 |
| HGB, g/L (median [IQR]) | 141.00 [126.00, 152.00] | 140.00 [126.00, 151.00] | 142.00 [126.00, 155.00] | 0.645 |
| WBC, ×10^9/L (median [IQR]) |  9.30 [7.37, 11.33] |  9.51 [7.76, 11.38] |  9.02 [7.08, 10.78] | 0.228 |
| RBC, ×10^12/L (median [IQR]) |  4.67 [4.30, 5.11] |  4.68 [4.32, 5.11] |  4.65 [4.24, 5.04] | 0.429 |
| Urea, mmol/L (median [IQR]) |  5.61 [4.63, 6.82] |  5.62 [4.74, 6.84] |  5.46 [4.34, 6.73] | 0.665 |
| Glu, mmol/L (median [IQR]) |  6.68 [5.86, 8.87] |  6.77 [5.98, 8.83] |  6.57 [5.80, 9.70] | 0.720 |
| Plt, ×10^9/L (median [IQR]) | 232.00 [186.00, 267.00] | 239.50 [200.25, 263.25] | 226.00 [181.00, 270.00] | 0.439 |