| **Appendix Table 1. Association Between Stoke Type and Baseline Factors in Data From 2005 - 2012 (N = 584)** |
| --- |
| **Factor** | **Total(N=584)** | **Intracerebral hemorrhage(N=175)** | **Ischemic stroke(N=332)** | **Subarachnoid hemorrhage(N=77)** | **p-value+** |
| Age (yrs) \* | 77 ± 8 | 77 ± 7 | 76 ± 8 | 77 ± 8 | 0.78 |
| Male – no. (%) | 284 (48.6) | 89 (50.9) | 160 (48.2) | 35 (45.5) | 0.71 |
| APACHE III | 43.6 ± 15.3 | 44.5 ± 16.2 | 42.6 ± 14.3 | 45.5 ± 17.1 | 0.21 |
| Glasgow coma score \* | 11.0 ± 3.4 | 10.7 ± 3.5 | 11.2 ± 3.3 | 11.0 ± 3.2 | 0.33 |
| SOFA Score\* | 3.8 ± 2.5 | 3.9 ± 2.6 | 3.7 ± 2.4 | 4.2 ± 2.4 | 0.32 |
| Baseline NIHSS \* | 14.7 ± 8.4 | 13.3 ± 6.8 | 15.1 ± 8.3 | 14.7 ± 11.0 | 0.61 |
| Baseline mRS\* | 4.5 ± 0.77 | 4.7 ± 0.55 | 4.5 ± 0.75 | 4.3 ± 1.1 | 0.29 |
| Creatinine (mg/dL) \* | 1.1 ± 0.91 | 1.2 ± 1.03 | 1.2 ± 0.91 | 1.02 ± 0.48 | 0.45 |
| Glucose (mg/dL)\* | 151 ± 53 | 156 ± 49 | 148 ± 53 | 155 ± 61 | 0.22 |
| Maximum core Temperature (o F)\* | 99.6 ± 1.4 | 99.8 ± 1.5 | 99.6 ± 1.3 | 99.5 ± 1.2 | 0.39 |
| WBC (>=11 vs. <11) – no. (%) \* | 361 (62.1) | 112 (64.4) | 193 (58.3) | 56 (73.7) | 0.03 |
| MAP < 60 mmHg– no. (%) | 112 (19.2) | 34 (19.4) | 54 (16.3) | 24 (31.2) | 0.011 |
| Hypertension – no. (%) | 275 (47.1) | 81 (46.3) | 160 (48.2) | 34 (44.2) | 0.79 |
| CAD/MI – no. (%) | 134 (22.9) | 35 (20.0) | 80 (24.1) | 19 (24.7) | 0.54 |
| Diabetes– no. (%) | 98 (16.8) | 31 (17.7) | 55 (16.6) | 12 (15.6) | 0.91 |
| COPD– no. (%) | 58 (9.9) | 15 (8.6) | 33 (9.9) | 10 (13.0) | 0.56 |
| Smoking– no. (%) | 52 (8.9) | 10 (5.7) | 31 (9.3) | 11 (14.3) | 0.081 |
| CHF – no. (%) | 62 (10.6) | 15 (8.6) | 38 (11.4) | 9 (11.7) | 0.58 |
| Warfarin – no. (%)\* | 101 (17.4) | 36 (20.8) | 49 (14.9) | 16 (20.8) | 0.18 |
| EVD– no. (%) | 63 (10.8) | 22 (12.6) | 29 (8.7) | 12 (15.6) | 0.32 |
| Craniotomy– no. (%) | 63 (10.8) | 24 (13.7) | 32 (9.6) | 7 (9.1) | 0.53 |
| Aspirin use – no. (%) | 155 (26.5) | 42 (24.0) | 95 (28.6) | 18 (23.4) | 0.43 |
| Statin use – no. (%) | 137 (23.5) | 40 (22.9) | 73 (22.0) | 24 (31.2) | 0.22 |
| Beta blocker use – no. (%) | 185 (31.7) | 46 (26.3) | 117 (35.2) | 22 (28.6) | 0.098 |
| Data are presented as mean ± SD or N (%); CAD = Coronary artery disease; MI = myocardial infarction; COPD = Chronic obstructive pulmonary disease; WBC=white blood cells; MAP = mean arterial pressure; SOFA =sequential organ failure assessment score; CHF= congestive heart failure; EVD=external ventricular drain; NIHSS = NIH Stroke Scale/Score; mRS = modified Rankin Scale.+ F-test for continuous variables and Chi-sqaure test for categorical variables\* Data not available for all subjects. Missing values: age = 6, Creatinine = 4, Glucose = 6, Maximum core Temperature = 10, Glasgow coma score = 21, SOFA Score = 123, NIHSS = 450, modified Rankin Scale = 450, Warfarin = 5, White blood cell = 3. |

|  |
| --- |
| **Appendix Table 2. Calculated Points of Individual Risk Factors for Nomogram** |
| Risk Factor |  Points |  | Risk Factor | Points |
| Smoking  |  |  |  Age (Yrs)  |   |
| No | 0 |  | 65 | 0 |
| YES | 54 |  | 70 | 8 |
| Congestive heart failure |   |  | 75 | 15 |
| No | 0 |  | 80 | 23 |
| YES | 24 |  | 85 | 30 |
| Warfarin  |   |  | 90 | 38 |
| No | 0 |  | 95 | 45 |
| YES | 22 |  | 100 | 53 |
| MAP < 60mmHg |   |  | 105 | 60 |
| No | 0 |  | Creatinine |   |
| YES | 29 |  | 0.6 | 0 |
| White blood cells  |   |  | 1 | 11 |
|  <11K | 0 |  | 1.5 | 19 |
|  >=11K | 30 |  | 2 | 26 |
| Stroke Type |  |  | 2.5 | 30 |
|  ICH | 0 |  | 3 | 34 |
|  IS | 2 |  | 3.5 | 37 |
|  SAH | 2 |  | 4 | 40 |
| Glasgow coma score |   |  | 4.5 | 43 |
| 3 | 100 |  | 5 | 45 |
| 4 | 92 |  | 5.5 | 47 |
| 5 | 83 |  | 6 | 49 |
| 6 | 75 |  | 6.5 | 51 |
| 7 | 67 |  | 7 | 52 |
| 8 | 58 |  | 7.5 | 54 |
| 9 | 50 |  | 8 | 55 |
| 10 | 42 |  | 8.5 | 56 |
| 11 | 33 |  | 9 | 58 |
| 12 | 25 |  | 9.5 | 59 |
| 13 | 17 |  | 10 | 60 |
| 14 | 8 |  | Year of surgery  |  |
| 15 | 0 |  | 2005 | 0 |
|  |  |  | 2010 | 1 |
|   |   |  | 2020 | 2 |

**Appendix Table 3. Cause of Death**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|  | **Percentage** |
| **Medical Reasons** | **29%** |
| **Respiratory (ARDS, Aspiration pneumonitis)** | 8% |
| **Cardiac (MI, CHF, Severe arrythmia)** | 10% |
| **Sepsis (Pneumonia, BSI, including Septic Shock)** | 10% |
| **ESRD** | 1% |
| **Neurological Reasons** | **63%** |
| **Primary diagnosis (**No further detail available**)** | 35% |
| **Hemorrhagic transformation** | 18% |
| **Herniation/Severe edema** | 8% |
| **Seizures** | 2% |
| **Missing** | **8%** |

ARDS= acute respiratory distress syndrome; BSI= blood stream infections; CHF = congestive heart failure; ESRD= end-stage renal disease |