**Additional table 1-1 Univariate logistic regression analysis of all patients lost to follow-up without stroke recurrence at 1 year after MIS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | No recurrence  N=1214 (97%) | Recurrence  N=38 (3%) | OR (95%CI) | P value |
| N | 1214 | 38 |  |  |
| Demographic information |  |  |  |  |
| Age, median (IQR), year | 64.00(55.00-73.00) | 70.00(61.25-76.75) | 1.05(1.02-1.08) | 0.001 |
| Male, n(%) | 753(62.03%) | 29(76.32%) | 2.00(0.94-4.27) | 0.073 |
| BMI on admission, kg/m2 | 23.99(22.20-25.61) | 24.14(22.56-26.09) | 1.00(0.90-1.10) | 0.933 |
| Education level, n(%) |  |  |  | 0.540 |
| elementary or below | 476(39.21%) | 18(47.37%) | Ref. | - |
| middle school | 260(21.42%) | 6(15.79%) | 3.02(1.36-6.70) | 0.006 |
| high school or above | 478(39.37%) | 14(36.84%) | 1.89(0.87-4.09) | 0.106 |
| Medical insurance type, n(%) |  |  |  | 0.721 |
| Urban employees’ medical insurance | 630(51.89%) | 19(50.00%) | Ref. | - |
| New type rural cooperative medical system | 462(38.06%) | 17(44.74%) | 1.29(0.66-2.51) | 0.455 |
| [Commercial](app:ds:commercial) [insurance](app:ds:insurance) | 3(0.25%) | 0(0.00%) | 0.00(0.00- ∞) | 0.985 |
| Out-of-pocket medical | 119(9.80%) | 2(5.26%) | 0.54(0.12-2.34) | 0.408 |
| Vascular risk factors |  |  |  |  |
| Hypertension, n(%) | 826(68.04%) | 26(68.42%) | 1.00(0.50-2.00) | 0.960 |
| DM, n(%) | 259(21.33%) | 12(31.58%) | 1.71(0.85-3.44) | 0.131 |
| Dyslipidemia, n(%) | 94(7.74%) | 1(2.63%) | 0.36(0.05-2.64) | 0.241 |
| AF, n(%) | 55(4.53%) | 3(7.89%) | 1.73(0.52-5.83) | 0.331 |
| Smoking, n(%) |  |  |  | 0.017 |
| Never smoking | 729(60.05%) | 15(39.47%) | Ref. | - |
| smoking cessation | 179(14.74%) | 11(28.95%) | 3.02(1.36-6.70) | 0.006 |
| Current smoking | 306(25.21%) | 12(31.58%) | 1.89(0.87-4.09) | 0.105 |
| Moderate or heavy alcohol use, n(%) | 299(24.63%) | 7(18.42%) | 0.70(0.30-1.61) | 0.381 |
| Previous stroke, n(%) | 310(25.54%) | 18(47.37%) | 2.59(1.35-4.97) | 0.003 |
| PVD, n(%) | 30(2.47%) | 3(7.89%) | 3.48(1.01-12.06) | 0.040 |
| Pneumonia, n(%) | 19(1.57%) | 6(15.79%) | 10.50(3.93-28.06) | <0.001 |
| NIHSS score on admission | 1.00(0.00-2.00) | 1.50(0.00-3.00) | 1.05(0.80-1.38) | 0.722 |
| SBP on admission, mmHg | 144.39±20.58 | 145.63±24.24 | 1.00(0.99-1.02) | 0.715 |
| DBP on admission, mmHg | 85.49±11.98 | 86.55±14.57 | 1.01(0.98-1.03) | 0.592 |
| Heart rate, bmp | 74.23±9.43 | 76.79±10.04 | 1.03(1.00-1.06) | 0.100 |
| Laboratory ﬁndings |  |  |  |  |
| Total cholesterol, mmol/L | 4.42±1.03 | 4.47±0.87 | 1.04(0.76-1.42) | 0.808 |
| Triglyceride, mmol/L | 1.69±1.25 | 1.58±0.85 | 0.91(0.65-1.26) | 0.586 |
| HDL-C, mmol/L | 1.14±0.32 | 1.09±0.31 | 0.56(0.17-1.78) | 0.300 |
| LDL-C, mmol/L | 2.61±0.84 | 2.75±0.66 | 1.20(0.84-1.71) | 0.310 |
| FBG, mmol/L | 5.75±2.17 | 6.24±3.02 | 1.09(0.96-1.23) | 0.185 |
| BUN, mmol/L | 5.01±1.78 | 5.30±1.66 | 1.08(0.92-1.27) | 0.328 |
| UA, 10μmol/L | 292.15±95.95 | 277.91±95.76 | 0.98(0.95-1.02) | 0.375 |
| ALP, U/L | 77.67±26.37 | 83.85±21.53 | 1.01(1.00-1.02) | 0.159 |
| BPC, ×1011/L | 194.55±58.54 | 193.41±47.95 | 0.97(0.55-1.71) | 0.906 |
| Leukocyte count, ×109/L | 6.64±2.23 | 7.08±2.46 | 1.08(0.95-1.22) | 0.230 |

∞: infinity

**Additional table 1-2 Univariate logistic regression analysis of all patients lost to follow-up with stroke recurrence at 1 year after MIS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | No recurrence  N=1083 (86.5%) | Recurrence  N=169 (13.5%) | OR(95%CI) | P value |
| Demographic information |  |  |  |  |
| Age, median(IQR), year | 64.00(55.00-73.00) | 66.00(58.00-73.00) | 1.01(0.99-1.02) | 0.279 |
| Male, n(%) | 668(61.68%) | 114(67.46%) | 1.29(0.91-1.82) | 0.149 |
| BMI on admission, kg/m2 | 23.94(22.16-25.61) | 24.14(22.27-25.71) | 0.00(-0.01-0.01) | 0.778 |
| Education level, n(%) |  |  |  | 0.912 |
| elementary or below | 428(39.52%) | 66(39.05%) | Ref. | - |
| middle school | 228(21.05%) | 38(22.49%) | 1.08(0.70-1.66) | 0.723 |
| high school or above | 427(39.43%) | 65(38.46%) | 0.99(0.68-1.43) | 0.945 |
| Medical insurance type, n(%) |  |  |  | 0.009 |
| Urban employees’ medical insurance | 572(52.82%) | 77(45.56%) | Ref. | - |
| New type rural cooperative medical system | 397(36.66%) | 82(48.52%) | 1.53(1.10-2.15) | 0.012 |
| [Commercial](app:ds:commercial) [insurance](app:ds:insurance) | 2(0.18%) | 1(0.59%) | 3.71(0.33-41.45) | 0.286 |
| Out-of-pocket medical | 112(10.34%) | 9(5.33%) | 0.60(0.29-1.23) | 0.159 |
| Vascular risk factors |  |  |  |  |
| Hypertension, n(%) | 742(68.51%) | 110(65.09%) | 0.86(0.61-1.21) | 0.375 |
| DM, n(%) | 230(21.24%) | 41(24.26%) | 1.19(0.81-1.74) | 0.375 |
| Dyslipidemia, n(%) | 76(7.02%) | 19(11.24%) | 1.68(0.99-2.85) | 0.054 |
| AF, n(%) | 51(4.71%) | 7(4.14%) | 0.87(0.39-1.96) | 0.744 |
| Smoking, n(%) |  |  |  | 0.317 |
| Never smoking | 650(60.02%) | 94(55.62%) | Ref. | - |
| smoking cessation | 158(14.59%) | 32(18.93%) | 1.40(0.90-2.17) | 0.131 |
| Current smoking | 275(25.39%) | 43(25.44%) | 1.08(0.73-1.59) | 0.692 |
| Moderate or heavy alcohol use, n(%) | 264(24.38%) | 42(24.85%) | 1.03(0.70-1.49) | 0.894 |
| Previous stroke, n(%) | 279(25.76%) | 49(28.99%) | 1.18(0.82-1.69) | 0.374 |
| PVD, n(%) | 26(2.40%) | 7(4.14%) | 1.76(0.75-4.11) | 0.189 |
| Pneumonia, n(%) | 19(1.75%) | 6(3.55%) | 2.06(0.81-5.24) | 0.121 |
| NIHSS score on admission | 1.00(0.00-2.00) | 1.00(0.00-2.00) | 0.98(0.85-1.13) | 0.776 |
| SBP on admission, mmHg | 144.78±20.61 | 142.14±21.09 | 0.99(0.99-1.00) | 0.122 |
| DBP on admission, mmHg | 85.68±12.11 | 84.52±11.79 | 0.99(0.98-1.01) | 0.247 |
| Heart rate, bmp | 74.18±9.33 | 75.14±10.17 | 1.01(0.99-1.03) | 0.216 |
| Laboratory ﬁndings |  |  |  |  |
| Total cholesterol, mmol/L | 4.43±1.04 | 4.43±0.88 | 1.00(0.85-1.18) | 0.973 |
| Triglyceride, mmol/L | 1.70±1.23 | 1.64±1.30 | 0.96(0.83-1.11) | 0.597 |
| HDL-C, mmol/L | 1.14±0.32 | 1.15±0.31 | 1.09(0.65-1.82) | 0.745 |
| LDL-C, mmol/L | 2.61±0.85 | 2.61±0.74 | 1.00(0.82-1.22) | 0.973 |
| FBG, mmol/L | 5.75±2.10 | 5.87±2.79 | 1.02(0.95-1.10) | 0.496 |
| BUN, mmol/L | 5.01±1.78 | 5.11±1.76 | 1.03(0.94-1.13) | 0.489 |
| UA, 10μmol/L | 291.78±96.07 | 291.23±95.39 | 0.99(0.98-1.02) | 0.946 |
| ALP, U/L | 77.33±25.71 | 81.34±29.35 | 1.01(1.00-1.01) | 0.071 |
| BPC, ×1011/L | 194.39±58.64 | 195.37±55.73 | 1.03(0.78-1.36) | 0.839 |
| Leukocyte count, ×109/L | 6.65±2.23 | 6.70±2.30 | 1.01(0.94-1.09) | 0.784 |

**Additional table 2-1 Univariate logistic regression analysis of all l patients lost to follow-up without disability at 1 year after MIS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | No disability  N=1148(91.7%) | Disability  N=104(8.3%) | OR(95%CI) | P-value |
| Demographic information |  |  |  |  |
| Age, median(IQR), year | 63.00(55.00-72.00) | 76.00(66.00-80.25) | 1.09(1.06-1.11) | <0.001 |
| Male, n(%) | 711(61.93%) | 71(68.27%) | 1.32(0.86-2.03) | 0.201 |
| BMI on admission, kg/m2 | 24.00(22.20-25.60) | 23.70(21.58-25.20) | 0.93(0.87-1.00) | 0.055 |
| Education level, n(%) |  |  |  | 0.010 |
| elementary or below | 442(38.50%) | 52(50.00%) | Ref. | - |
| middle school | 255(22.21%) | 11(10.58%) | 0.37(0.19-0.72) | 0.003 |
| high school or above | 451(39.29%) | 41(39.42%) | 0.77(0.50-1.19) | 0.239 |
| Medical insurance type, n(%) |  |  |  | 0.954 |
| Urban employees’ medical insurance | 596(51.92%) | 53(50.96%) | Ref. | - |
| New type rural cooperative medical system | 438(38.15%) | 41(39.42%) | 1.05(0.69-1.61) | 0.813 |
| [Commercial](app:ds:commercial) [insurance](app:ds:insurance) | 3(0.26%) | 0(0.00%) | 0.00(0.00- ∞) | 0.981 |
| Out-of-pocket medical | 111(9.67%) | 10(9.62%) | 1.01(0.50-2.05) | 0.971 |
| Vascular risk factors |  |  |  |  |
| Hypertension, n(%) | 778(67.77%) | 74(71.15%) | 1.17(0.75-1.82) | 0.479 |
| DM, n(%) | 244(21.25%) | 27(25.96%) | 1.30(0.82-2.06) | 0.264 |
| Dyslipidemia, n(%) | 89(7.75%) | 6(5.77%) | 0.73(0.31-1.71) | 0.465 |
| AF, n(%) | 50(4.36%) | 8(7.69%) | 1.83(0.84-3.97) | 0.121 |
| Smoking, n(%) |  |  |  | 0.039 |
| Never smoking | 679(59.15%) | 65(62.50%) | Ref. | - |
| smoking cessation | 168(14.63%) | 22(21.15%) | 1.37(0.82-2.28) | 0.230 |
| Current smoking | 301(26.22%) | 17(16.35%) | 0.59(0.34-1.02) | 0.060 |
| Moderate or heavy alcohol use, n(%) | 292(25.44%) | 14(13.46%) | 0.46(0.26-0.81) | 0.007 |
| Previous stroke, n(%) | 288(25.09%) | 40(38.46%) | 1.87(1.23-2.83) | 0.003 |
| PVD, n(%) | 29(2.53%) | 4(3.85%) | 1.54(0.53-4.48) | 0.421 |
| Pneumonia, n(%) | 13(1.13%) | 12(11.54%) | 11.39(5.05-25.67) | <0.001 |
| NIHSS score on admission | 1.00(0.00-2.00) | 2.00(0.00-3.00) | 1.31(1.10-1.56) | 0.002 |
| SBP on admission, mmHg | 144.21±20.54 | 146.81±22.21 | 1.01(1.00-1.02) | 0.220 |
| DBP on admission, mmHg | 85.60±11.77 | 84.67±14.94 | 0.99(0.98-1.01) | 0.455 |
| Heart rate, bmp | 74.20±9.49 | 75.47±8.97 | 1.01(0.99-1.03) | 0.189 |
| Laboratory ﬁndings |  |  |  |  |
| Total cholesterol, mmol/L | 4.43±1.02 | 4.37±0.99 | 0.94(0.77-1.16) | 0.582 |
| Triglyceride, mmol/L | 1.69±1.26 | 1.62±1.00 | 0.95(0.79-1.14) | 0.580 |
| HDL-C, mmol/L | 1.14±0.31 | 1.16±0.35 | 1.17(0.62-2.21) | 0.638 |
| LDL-C, mmol/L | 2.62±0.84 | 2.55±0.80 | 0.91(0.71-1.17) | 0.469 |
| FBG, mmol/L | 5.73±2.15 | 6.11±2.71 | 1.07(0.98-1.16) | 0.112 |
| BUN, mmol/L | 4.96±1.75 | 5.73±1.89 | 1.21(1.09-1.33) | <0.001 |
| UA, 10μmol/L | 290.80±94.12 | 301.63±114.12 | 1.01(0.09-1.03) | 0.282 |
| ALP, U/L | 77.62±25.40 | 80.57±34.51 | 1.00(1.00-1.01) | 0.286 |
| BPC, ×1011/L | 194.95±58.51 | 189.67±55.06 | 0.85(0.60-1.22) | 0.385 |
| Leukocyte count, ×109/L | 6.61±2.17 | 7.15±2.85 | 1.10(1.01,1.19) | 0.020 |

∞: infinity

**Additional table 2-2 Univariate logistic regression analysis of all patients lost to follow-up with disability at 1 year after MIS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | No disability  N=1017(81.2%) | Disability  N=235(18.8%) | OR(95%CI) | P-value |
| Demographic information |  |  |  |  |
| Age, median(IQR), year | 63.00(55.00-72.00) | 70.00(60.00-77.00) | 1.03(1.02-1.05) | <0.001 |
| Male, n(%) | 626(61.55%) | 156(66.38%) | 1.23(0.91-1.66) | 0.168 |
| BMI on admission,kg/m2 | 24.00(22.20-25.60) | 23.90(22.15-25.50) | 0.98(0.93-1.02) | 0.286 |
| Education level, n(%) |  |  |  | 0.389 |
| elementary or below | 394(38.74%) | 100(42.55%) | Ref. | - |
| middle school | 223(21.93%) | 43(18.30%) | 0.76(0.51-1.13) | 0.171 |
| high school or above | 400(39.33%) | 92(39.15%) | 0.91(0.66-1.24) | 0.541 |
| Medical insurance type, n(%) |  |  |  | 0.075 |
| Urban employees’ medical insurance | 538(52.90%) | 111(47.23%) | Ref. | - |
| New type rural cooperative medical system | 373(36.68%) | 106(45.11%) | 1.38(1.02-1.85) | 0.034 |
| [Commercial](app:ds:commercial) [insurance](app:ds:insurance) | 2(0.20%) | 1(0.43%) | 2.42(0.22-26.96) | 0.471 |
| Out-of-pocket medical | 104(10.23%) | 17(7.23%) | 0.79(0.46-1.38) | 0.408 |
| Vascular risk factors |  |  |  |  |
| Hypertension, n(%) | 694(68.24%) | 158(67.23%) | 0.96(0.71-1.29) | 0.766 |
| DM, n(%) | 215(21.14%) | 56(23.83%) | 1.17(0.83-1.63) | 0.367 |
| Dyslipidemia, n(%) | 71(6.98%) | 24(10.21%) | 1.52(0.93-2.46) | 0.092 |
| AF, n(%) | 46(4.52%) | 12(5.11%) | 1.14(0.59-2.18) | 0.701 |
| Smoking, n(%) |  |  |  | 0.089 |
| Never smoking | 600(59.00%) | 144(61.28%) | Ref. | - |
| smoking cessation | 147(14.45%) | 43(18.30%) | 1.22(0.83-1.79) | 0.314 |
| Current smoking | 270(26.55%) | 48(20.43%) | 0.74(0.52-1.06) | 0.099 |
| Moderate or heavy alcohol use, n(%) | 257(25.27%) | 49(20.85%) | 0.78(0.55-1.10) | 0.155 |
| Previous stroke, n(%) | 257(25.27%) | 71(30.21%) | 1.28(0.94-1.75) | 0.120 |
| PVD, n(%) | 25(2.46%) | 8(3.40%) | 1.40(0.62-3.14) | 0.415 |
| Pneumonia, n(%) | 13(1.28%) | 12(5.11%) | 4.16(1.87-9.23) | <0.001 |
| NIHSS score on admission | 1.00(0.00-2.00) | 2.00(0.00-2.00) | 1.12(0.99-1.26) | 0.072 |
| SBP on admission, mmHg | 144.60±20.58 | 143.64±21.19 | 1.00(0.99-1.00) | 0.519 |
| DBP on admission, mmHg | 85.81±11.88 | 84.26±12.79 | 0.99(0.98-1.00) | 0.075 |
| Heart rate, bmp | 74.14±9.40 | 75.02±9.66 | 1.01(0.99-1.02) | 0.198 |
| Laboratory ﬁndings |  |  |  |  |
| Total cholesterol, mmol/L | 4.43±1.04 | 4.40±0.93 | 0.97(0.84-1.12) | 0.645 |
| Triglyceride, mmol/L | 1.70±1.24 | 1.64±1.24 | 0.96(0.85-1.09) | 0.538 |
| HDL-C, mmol/L | 1.14±0.31 | 1.16±0.33 | 1.27(0.82-1.99) | 0.286 |
| LDL-C, mmol/L | 2.62±0.85 | 2.57±0.77 | 0.92(0.77-1.10) | 0.358 |
| FBG, mmol/L | 5.73±2.07 | 5.91±2.71 | 1.04(0.97-1.10) | 0.263 |
| BUN, mmol/L | 4.95±1.75 | 5.34±1.86 | 1.12(1.04-1.21) | 0.004 |
| UA, 10μmol/L | 290.23±94.00 | 298.05±103.88 | 1.01(0.99-1.02) | 0.273 |
| ALP, U/L | 77.25±24.53 | 80.58±32.71 | 0.99(0.98-1.01) | 0.088 |
| BPC, ×1011/L | 194.82±58.61 | 193.20±56.66 | 0.95(0.74-1.22) | 0.704 |
| Leukocyte count, ×109/L | 6.61±2.16 | 6.83±2.53 | 1.04(0.98-1.11) | 0.184 |

**Additional table 3-1 Univariate logistic regression analysis of all patients lost to follow-up without death at 1 year after MIS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | No death  N=1215(97%) | Death  N=37(3%) | OR(95%CI) | P-value |
| Demographic information |  |  |  |  |
| Age, median(IQR), year | 64.00(55.00-73.00) | 75.00(65.00-80.00) | 1.07(1.04-1.11) | <0.001 |
| Male, n(%) | 754(62.06%) | 28(75.68%) | 1.90(0.89-4.07) | 0.092 |
| BMI on admission,kg/m2 | 24.00(22.20-25.60) | 23.70(21.50-24.80) | 0.93(0.83-1.04) | 0.186 |
| Education level, n(%) |  |  |  | 0.469 |
| elementary or below | 479(39.42%) | 15(40.54%) | Ref. | - |
| middle school | 261(21.48%) | 5(13.51%) | 0.61(0.22-1.70) | 0.346 |
| high school or above | 475(39.09%) | 17(45.95%) | 1.14(0.56-2.31) | 0.710 |
| Medical insurance type, n(%) |  |  |  | 0.927 |
| Urban employees’ medical insurance | 628(51.69%) | 21(56.76%) | Ref. | - |
| New type rural cooperative medical system | 466(38.35%) | 13(35.14%) | 0.83(0.41-1.68) | 0.6129 |
| [Commercial](app:ds:commercial) [insurance](app:ds:insurance) | 3(0.25%) | 0(0.00%) | 0.00(0.00- ∞) | 0.9884 |
| Out-of-pocket medical | 118(9.71%) | 3(8.11%) | 0.76(0.22-2.59) | 0.6612 |
| Vascular risk factors |  |  |  |  |
| Hypertension, n(%) | 830(68.31%) | 22(59.46%) | 0.68(0.35-1.33) | 0.255 |
| DM, n(%) | 264(21.73%) | 7(18.92%) | 2.61(0.89-7.62) | 0.683 |
| Dyslipidemia, n(%) | 94(7.74%) | 1(2.70%) | 0.33(0.04-2.44) | 0.255 |
| AF, n(%) | 54(4.44%) | 4(10.81%) | 2.61(0.89-7.62) | 0.070 |
| Smoking, n(%) |  |  |  | 0.281 |
| Never smoking | 725(59.67%) | 19(51.35%) | Ref. | - |
| smoking cessation | 181(14.90%) | 9(24.32%) | 1.90(0.84-4.26) | 0.121 |
| Current smoking | 309(25.43%) | 9(24.32%) | 1.11(0.50-2.48) | 0.796 |
| Moderate or heavy alcohol use, n(%) | 300(24.69%) | 6(16.22%) | 0.59(0.24-1.43) | 0.237 |
| Previous stroke, n(%) | 314(25.84%) | 14(37.84%) | 1.75(0.89-3.44) | 0.102 |
| PVD, n(%) | 30(2.47%) | 3(8.11%) | 3.49(1.01-11.98) | 0.035 |
| Pneumonia, n(%) | 21(1.73%) | 4(10.81%) | 6.89(2.24-21.20) | <0.001 |
| NIHSS score on admission | 1.00(0.00-2.00) | 2.00(0.00-3.00) | 1.27(0.96-1.68) | 0.092 |
| SBP on admission, mmHg | 144.37±20.68 | 146.24±21.23 | 1.00(0.99-1.02) | 0.587 |
| DBP on admission, mmHg | 85.53±12.02 | 85.32±13.73 | 1.00(0.97-1.03) | 0.920 |
| Heart rate, bmp | 74.22±9.49 | 77.03±7.85 | 1.03(1.00-1.06) | 0.075 |
| Laboratory ﬁndings |  |  |  |  |
| Total cholesterol, mmol/L | 4.43±1.03 | 4.20±0.72 | 0.78(0.54-1.12) | 0.181 |
| Triglyceride, mmol/L | 1.70±1.25 | 1.43±0.85 | 0.76(0.50-1.15) | 0.209 |
| HDL-C, mmol/L | 1.14±0.32 | 1.13±0.29 | 0.92(0.31-2.73) | 0.884 |
| LDL-C, mmol/L | 2.62±0.85 | 2.40±0.56 | 0.71(0.45-1.10) | 0.127 |
| FBG, mmol/L | 5.76±2.20 | 5.79±2.26 | 1.01(0.87-1.17) | 0.939 |
| BUN, mmol/L | 5.01±1.78 | 5.40±1.65 | 1.11(0.95-1.30) | 0.200 |
| UA, 10μmol/L | 290.84±94.59 | 319.14±130.85 | 1.03(1.00-1.06) | 0.081 |
| ALP, U/L | 77.58±25.50 | 87.18±43.73 | 1.01(1.00-1.02) | 0.031 |
| BPC, ×1011/L | 194.90±58.33 | 181.60±54.07 | 0.66(0.36-1.21) | 0.183 |
| Leukocyte count, ×109/L | 6.66±2.23 | 6.51±2.33 | 0.97(0.83-1.13) | 0.690 |

∞: infinity

**Additional table 3-2 Univariate logistic regression analysis of all patients lost to follow-up with death at 1 year after MIS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | No death  N=1084(86.6%) | Death  N=168(13.4%) | OR(95%CI) | P-value |
| Demographic information |  |  |  |  |
| Age, median(IQR), year | 64.00(55.00-73.00) | 67.00(58.00-75.00) | 1.01(1.00-1.02) | 0.114 |
| Male, n(%) | 669(61.72%) | 113(67.26%) | 1.27(0.90-1.80) | 0.167 |
| BMI on admission,kg/m2 | 24.00(22.20-25.60) | 23.95(22.20-25.35) | 0.99(0.94-1.04) | 0.744 |
| Education level, n(%) |  |  |  | 0.855 |
| elementary or below | 431(39.76%) | 63(37.50%) | Ref. | - |
| middle school | 229(21.13%) | 37(22.02%) | 1.11(0.71-1.71) | 0.652 |
| high school or above | 424(39.11%) | 68(40.48%) | 1.10(0.76-1.59) | 0.621 |
| Medical insurance type, n(%) |  |  |  | 0.045 |
| Urban employees’ medical insurance | 570(52.58%) | 79(47.02%) | Ref. | - |
| New type rural cooperative medical system | 401(36.99%) | 78(46.43%) | 1.40(1.00-1.97) | 0.0493 |
| [Commercial](app:ds:commercial) [insurance](app:ds:insurance) | 2(0.18%) | 1(0.60%) | 3.61(0.32-40.25) | 0.2971 |
| Out-of-pocket medical | 111(10.24%) | 10(5.95%) | 0.65(0.33-1.29) | 0.2201 |
| Vascular risk factors |  |  |  |  |
| Hypertension, n(%) | 746(68.82%) | 106(63.10%) | 0.77(0.55-1.09) | 0.139 |
| DM, n(%) | 235(21.68%) | 36(21.43%) | 0.99(0.66-1.46) | 0.942 |
| Dyslipidemia, n(%) | 76(7.01%) | 19(11.31%) | 1.69(0.99-2.88) | 0.050 |
| AF, n(%) | 50(4.61%) | 8(4.76%) | 1.03(0.48-2.22) | 0.932 |
| Smoking, n(%) |  |  |  | 0.562 |
| Never smoking | 646(59.59%) | 98(58.33%) | Ref. | - |
| smoking cessation | 160(14.76%) | 30(17.86%) | 1.24(0.79-1.93) | 0.349 |
| Current smoking | 278(25.65%) | 40(23.81%) | 0.95(0.64-1.41) | 0.792 |
| Moderate or heavy alcohol use, n(%) | 265(24.45%) | 41(24.40%) | 1.00(0.68-1.46) | 0.991 |
| Previous stroke, n(%) | 283(26.11%) | 45(26.79%) | 1.04(0.72-1.50) | 0.852 |
| PVD, n(%) | 26(2.40%) | 7(4.17%) | 1.77(0.76-4.14) | 0.183 |
| Pneumonia, n(%) | 21(1.94%) | 4(2.38%) | 1.23(0.42-3.64) | 0.702 |
| NIHSS score on admission | 1.00(0.00-2.00) | 1.00(0.00-2.00) | 1.03(0.89-1.18) | 0.708 |
| SBP on admission, mmHg | 144.76±20.73 | 142.25±20.38 | 0.99(0.99-1.00) | 0.143 |
| DBP on admission, mmHg | 85.72±12.14 | 84.24±11.51 | 0.99(0.98-1.00) | 0.139 |
| Heart rate, bmp | 74.17±9.40 | 75.18±9.75 | 1.01(0.99-1.03) | 0.195 |
| Laboratory ﬁndings |  |  |  |  |
| Total cholesterol, mmol/L | 4.43±1.04 | 4.37±0.86 | 0.94(0.80-1.11) | 0.462 |
| Triglyceride, mmol/L | 1.70±1.23 | 1.61±1.30 | 0.93(0.80-1.09) | 0.380 |
| HDL-C, mmol/L | 1.14±0.32 | 1.16±0.31 | 1.22(0.73-2.03) | 0.442 |
| LDL-C, mmol/L | 2.62±0.86 | 2.54±0.72 | 0.88(0.72-1.08) | 0.223 |
| FBG, mmol/L | 5.76±2.13 | 5.77±2.62 | 1.00(0.93-1.08) | 0.958 |
| BUN, mmol/L | 5.00±1.78 | 5.13±1.76 | 1.04(0.95-1.14) | 0.408 |
| UA, 10μmol/L | 290.32±94.53 | 300.59±104.38 | 1.01(0.99-1.03) | 0.208 |
| ALP, U/L | 77.22±24.71 | 82.07±34.48 | 1.01(1.00-1.01) | 0.029 |
| BPC, ×1011/L | 194.77±58.40 | 192.88±57.27 | 0.95(0.71-1.26) | 0.698 |
| Leukocyte count, ×109/L | 6.67±2.23 | 6.57±2.26 | 0.98(0.91-1.06) | 0.597 |

**Additional table 4 Comparison of clinical characteristic between the patients lost and not lost to follow-up.**

|  |  |  |  |
| --- | --- | --- | --- |
| Variables | Not loss to follow-up  N=1121(89.5%) | Loss to follow-up  N=131(10.5%) | P value |
| Demographic information |  |  |  |
| Age, median(IQR), year | 63.70±12.24 | 63.01±13.22 | 0.546 |
| Male, n(%) | 697(62.18%) | 85(64.89%) | 0.545 |
| BMI on admission,kg/m 2 | 23.95(22.19-25.61) | 24.14(22.23-25.56) | 0.718 |
| Education level, n(%) |  |  | 0.608 |
| elementary or below | 446(39.79%) | 48(36.64%) |  |
| middle school | 234(20.87%) | 32(24.43%) |  |
| high school or above | 441(39.34%) | 51(38.93%) |  |
| Medical insurance type,  n(%) |  |  | 0.011 |
| Urban employees’ | 591(52.72%) | 58(44.27%) |  |
| New type rural  cooperative medical  system | 414(36.93%) | 65(49.62%) |  |
| Commercial insurance | 2(0.18%) | 1(0.76%) |  |
| Out-of-pocket medical | 114(10.17%) | 7(5.34%) |  |
| Vascular risk factors |  |  |  |
| Hypertension, n(%) | 768(68.51%) | 84(64.12%) | 0.308 |
| DM, n(%) | 242(21.59%) | 29(22.14%) | 0.885 |
| Dyslipidemia, n(%) | 133(11.86%) | 23(17.56%) | 0.062 |
| AF, n(%) | 54(4.82%) | 4(3.05%) | 0.363 |
| Smoking, n(%) |  |  | 0.877 |
| Never smoking | 665(59.32%) | 79(60.31%) |  |
| smoking cessation | 169(15.08%) | 21(16.03%) |  |
| Current smoking | 287(25.60%) | 31(23.66%) |  |
| Moderate or heavy alcohol use, n(%) | 271(24.17%) | 35(26.72%) | 0.522 |
| Previous stroke, n(%) | 297(26.49%) | 31(23.66%) | 0.486 |
| PVD, n(%) | 29(2.59%) | 4(3.05%) | 0.752 |
| Pneumonia, n(%) | 25(2.23%) | 0(0.00%) | 0.084 |
| NIHSS score on admission | 1.00(0.00-2.00) | 1.00(0.00-2.00) | 0.605 |
| SBP on admission, mmHg | 144.81±20.74 | 141.12±20.07 | 0.054 |
| DBP on admission, mmHg | 85.71±12.19 | 83.93±10.84 | 0.111 |
| Heart rate, bmp | 74.26±9.36 | 74.66±10.19 | 0.647 |
| Laboratory ﬁndings |  |  |  |
| Total cholesterol, mmol/L | 4.43±1.04 | 4.42±0.89 | 0.923 |
| Triglyceride, mmol/L | 1.69±1.22 | 1.66±1.40 | 0.771 |
| HDL-C, mmol/L | 1.14±0.32 | 1.17±0.31 | 0.350 |
| LDL-C, mmol/L | 2.62±0.85 | 2.57±0.75 | 0.601 |
| FBG, mmol/L | 5.76±2.14 | 5.77±2.72 | 0.987 |
| BUN, mmol/L | 5.02±1.78 | 5.05±1.79 | 0.828 |
| UA, μmol/L | 291.29±96.05 | 295.20±95.30 | 0.668 |
| ALP, U/L | 77.55±25.60 | 80.59±31.35 | 0.223 |
| BPC, ×109/L | 194.35±58.29 | 195.94±57.93 | 0.770 |
| Leukocyte count, ×109/L | 6.66±2.24 | 6.59±2.25 | 0.713 |