### Supplementary Table 4. The number of enrolled patients during cTn assays performed each year in this study

| Year | All AIS | ESUS | Enrolled | cTnI | hs-cTnT |
|------|--------|------|----------|------|---------|
| 2010 | 1,137  | 199  | 189      | 189  | -       |
| 2011 | 1,071  | 141  | 134      | 134  | -       |
| 2012 | 1,146  | 150  | 145      | 145  | -       |
| 2013 | 1,118  | 201  | 196      | 196  | -       |
| 2014 | 1,083  | 218  | 211      | 211  | -       |
| 2015 | 1,070  | 224  | 220      | 73   | 147     |
| 2016 | 1,089  | 215  | 209      | 25   | 184     |
| 2017 | 974    | 212  | 207      | 29   | 178     |
| 2018 | 985    | 211  | 198      | 21   | 177     |
| 2019*| 456    | 136  | 129      | 14   | 115     |
| Total| 10,255 | 1,907| 1,838    | 1,037| 801     |

cTn, cardiac troponin; AIS, acute ischemic stroke; ESUS, embolic stroke of undetermined source (admitted within 24 hours of the onset of symptoms); hs-cTnT, high-sensitivity cTn T.
*Until May 2019.

### Supplementary Table 5. Event rates and association estimates from Cox proportional hazard model according to baseline cardiac troponin levels

| Clinical outcome                  | Conventional troponin I | High-sensitivity troponin T | P   | Conventional troponin I | High-sensitivity troponin T | P   |
|-----------------------------------|--------------------------|-----------------------------|-----|--------------------------|-----------------------------|-----|
|                                  | Normal (n=828)           | High (n=209)                |     | Normal (n=631)           | High (n=170)                |     |
| Primary outcome                   |                          |                             |     |                          |                             |     |
| MACCE                             |                          |                             |     |                          |                             |     |
| Incidence per 100 person-years    | 6.00                     | 14.62                       | 0.016 | 6.01                     | 17.99                       | 0.002 |
| Adjusted HR (95% CI)*             | Reference                | 1.97 (1.13–3.44)            |     | Reference                | 2.69 (1.44–5.01)            |     |
| Secondary outcomes                |                          |                             |     |                          |                             |     |
| Recurrent ischemic stroke         |                          |                             |     |                          |                             |     |
| Incidence per 100 person-years    | 3.58                     | 4.81                        | 0.454 | 3.25                     | 8.63                        | 0.039 |
| Adjusted HRs (95% CI)*            | Reference                | 1.40 (0.57–3.45)            |     | Reference                | 2.62 (1.05–6.57)            |     |
| Intracerebral hemorrhage          |                          |                             |     |                          |                             |     |
| Incidence per 100 person-years    | 0.52                     | 1.19                        | 0.36 | 0.70                     |                             |     |
| Adjusted HRs (95% CI)*            | Reference                | 4.12 (0.60–28.2)            |     | Reference                | 2.03 (0.14–29.0)            |     |
| Acute myocardial infarction       |                          |                             |     |                          |                             |     |
| Incidence per 100 person-years    | 0.65                     | 1.18                        | 1.43 | 2.10                     |                             |     |
| Adjusted HRs (95% CI)*            | Reference                | 1.41 (0.26–7.60)            | 0.689 | Reference                | 1.74 (0.30–9.90)            | 0.529 |
| Death from vascular causes        |                          |                             |     |                          |                             |     |
| Incidence per 100 person-years    | 1.17                     | 7.08                        | 0.89 | 6.30                     |                             |     |
| Adjusted HR (95% CI)*             | Reference                | 3.76 (1.40–10.1)            | 0.008 | Reference                | 4.86 (1.34–17.6)            | 0.016 |

MACCE, major adverse cerebrovascular and cardiovascular events; HR, hazard ratio; CI, confidence interval.
*Adjusted variables: age, sex, hypertension, dyslipidemia, diabetes mellitus, coronary heart disease, cancer, current smoking, prior history of stroke or transient ischemic attack, initial National Institutes of Health Stroke Scale score, initial blood pressure, hemoglobin, leukocyte counts, creatinine, C-reactive protein, and reperfusion therapies.