

## Supplementary material

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Liu L, Li S, Ding X, et al. Dynamic changes in soluble suppression of tumorigenicity 2 levels predict major adverse cardiovascular events in patients with ST-segment elevation myocardial infarction. *Pol Arch Intern Med.* 2022; 132: 16317. doi:10.20452/pamw.16317

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$$n = \left( \frac{Z_{1-\alpha/2} \times \sqrt{p \times (1 - p)}}{\delta} \right)^2$$

**Figure S1.** Sample size calculation formula.

$Z_{1-\alpha/2}$  was 1.96;  $\delta$  represented allowable error and was 0.1;  $p$  represented sensitivity or specificity. Sensitivity and specificity of sST2 in predicting MACEs were 76.3% and 86.0% in previous study [14]. The expected missing follow-up rate was 10%. At last, 78 patients were needed.

sST2, Soluble suppression of tumorigenicity 2; MACEs: Major adverse cardiovascular events.