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

Figure S1. Sample size calculation formula.

$Z_{1-\alpha/2}$ was 1.96; δ 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.