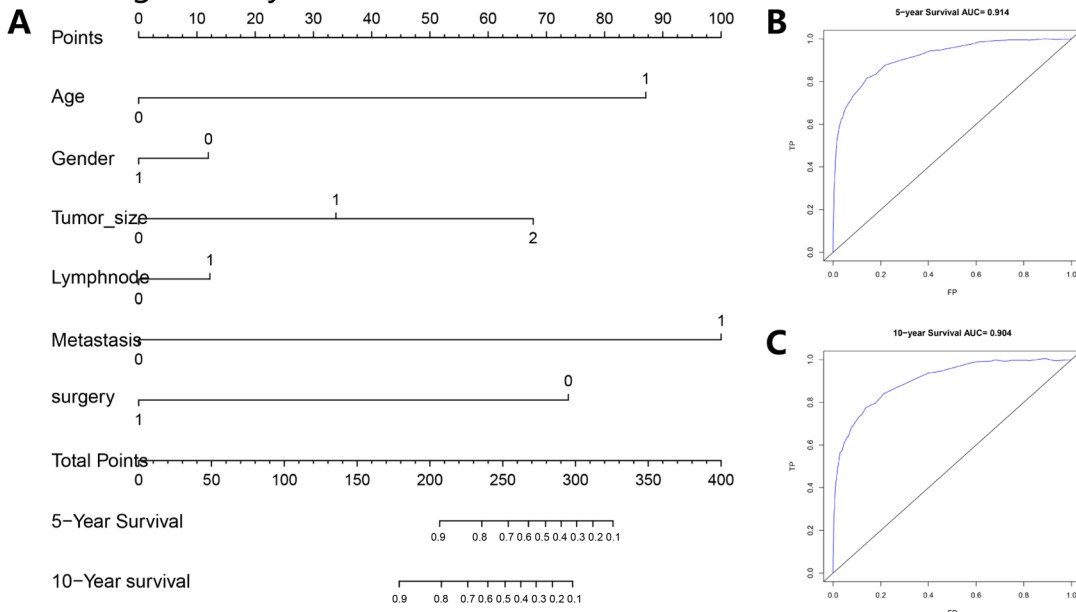


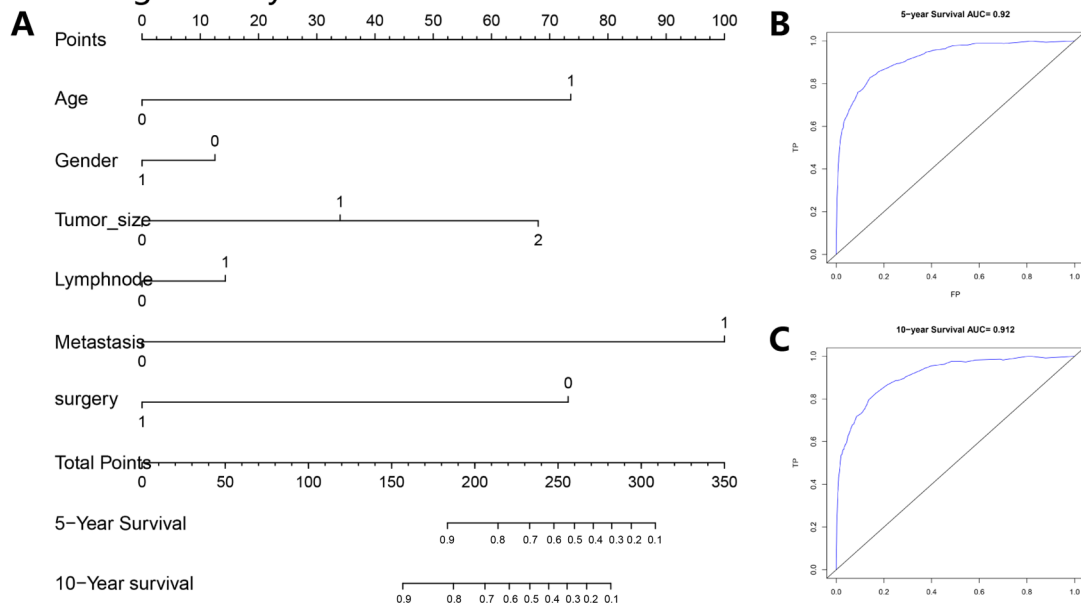
**Figure S1** Distinct prognosis in subgroups. Log-rank tests of CSS comparing the age subgroups  $\leq 67$  and  $> 67$  years for (A-C) tumor size, (D,E) lymphadenectomy, (F,G) distant metastasis, (H,I) surgical treatment. CSS, cancer-specific survival; HR, hazard rate.

## Cutoff age of 45 years



**Figure S2** Establishment of CSS nomograms of patients with a cutoff age of 45 years. (A) Nomogram for predicting the 5- and 10-year CSS in DTC patients with a cutoff age of 45 years. Age, 0:  $\leq 45$  years; 1:  $>45$  years. Gender, 0: male; 1: female. Tumor size: 0:  $\leq 20$  mm; 1:  $>20$  and  $\leq 40$  mm; 2:  $>40$  mm. Lymphadenectomy: 0: no; 1: yes. Metastasis: 0: no; 1: yes. Surgery: 0: no, 1: yes. (B,C) The ROC curve for the cohort's 5- and 10-year CSS. CSS, cancer-specific survival; ROC, receiver operating characteristic.

## Cutoff age of 55 years



**Figure S3** Establishment of CSS nomograms of patients with a cutoff age of 55 years. (A) Nomogram for predicting the 5- and 10-year CSS in DTC patients with a cutoff age of 55 years. Age, 0:  $\leq 55$  years; 1:  $>55$  years. Gender, 0: male; 1: female. Tumor size: 0:  $\leq 20$  mm; 1:  $>20$  and  $\leq 40$  mm; 2:  $>40$  mm. Lymphadenectomy: 0: no; 1: yes. Metastasis: 0: no; 1: yes. Surgery: 0: no, 1: yes. (B,C) The ROC curve for the cohort's 5- and 10-year CSS. CSS, cancer-specific survival; ROC, receiver operating characteristic.