### Table S1 Multicollinearity analysis: VIF test

| Characteristics       | VIF(PFS) |
|-----------------------|----------|
| BMI                   | 1.0      |
| ALC                   | 1.4      |
| NLR                   | 1.3      |
| Wall thickness        | 1.1      |
| Concurrent chemotherapy| 1.1      |
| RT technology         | 1.1      |
| AJCC stage            | 1.1      |

BMI, body mass index; ALC, absolute lymphocyte counts; NLR, neutrophil-to-lymphocyte ratio; RT, radiotherapy.

### Table S2 The value of C-index or AUC

| Groups                  | Content              |
|-------------------------|----------------------|
|                         | C-index  | AUC     |
| Primary cohort          | 0.691    | 0.702   |
| Validation cohort       | 0.816    | 0.869   |
| AJCC staging system     | 0.560    | 0.576   |

C-index, Harrell's concordance indices; AUC, area under curve.