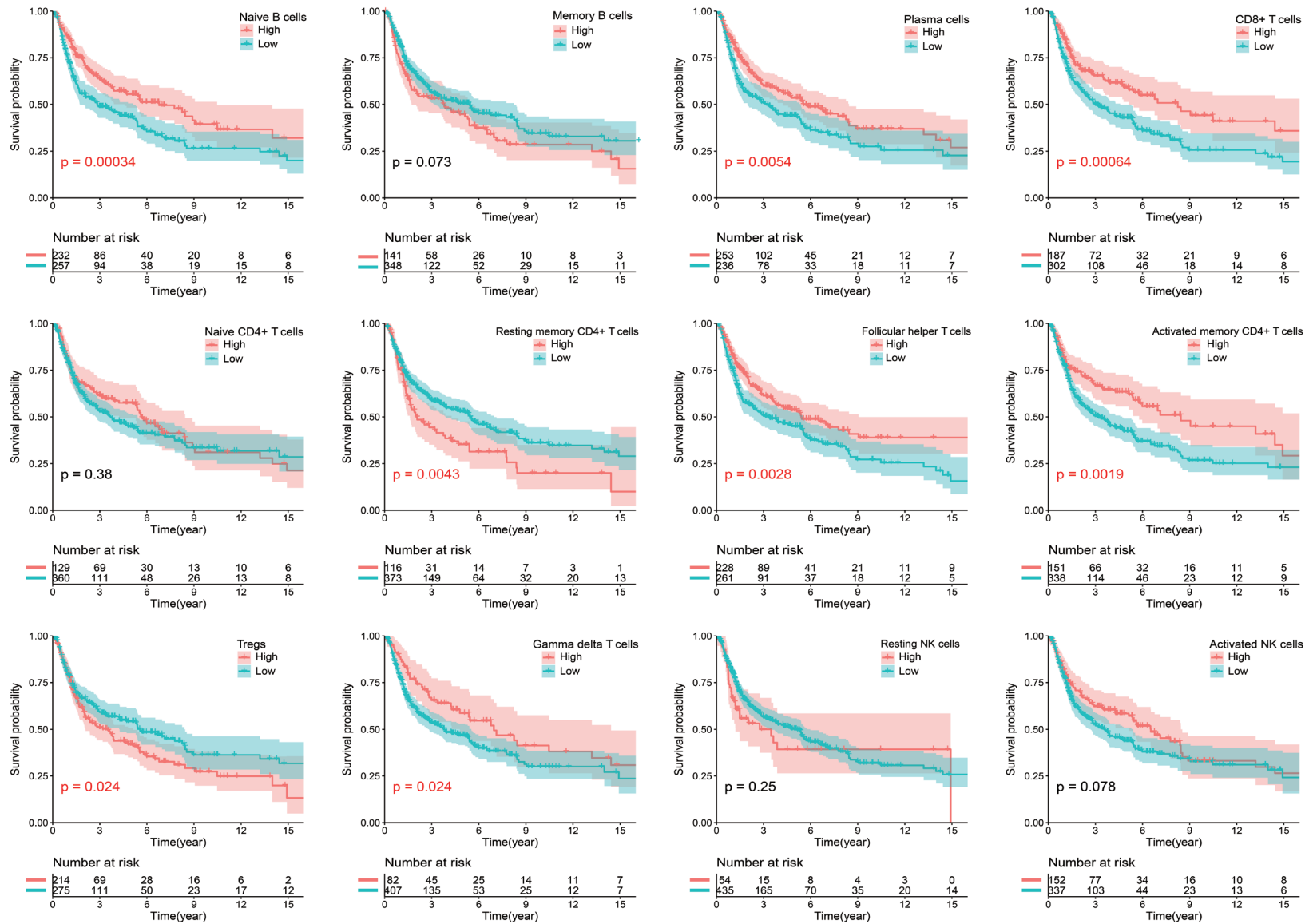


TIICs in MIBC

Table S1. Cut-off points of 22 TIIC subtypes

| TIIC subtype | Cut-off value |
|---|---------------|
| Naive B cells | 0.010384 |
| Memory B cells | 0.003644 |
| Plasma cells | 0.020973 |
| CD8 ⁺ T cells | 0.1158 |
| Naïve CD4 ⁺ T cells. | 0.006616 |
| Resting memory CD4 ⁺ T cells | 0.115949 |
| Activated memory CD4 ⁺ T cells | 0.093831 |
| Follicular helper T cells | 0.025089 |
| Regulatory T cells (Tregs) | 0.015243 |
| Gamma delta T cells | 0.052026 |
| Resting natural killer (NK) cells | 0.045458 |
| Activated NK cells | 0.04404 |
| Monocytes | 0.004083 |
| Macrophages M0 | 0.12021 |
| Macrophages M1 | 0.047876 |
| Macrophages M2 | 0.067353 |
| Resting dendritic cells | 0.005379 |
| Activated dendritic cells | 0.11194 |
| Resting mast cells | 0.033443 |
| Activated mast cells | 0.037974 |
| Eosinophils | 0 |
| Neutrophils | 0.025106 |

TIICs in MIBC



TIICs in MIBC

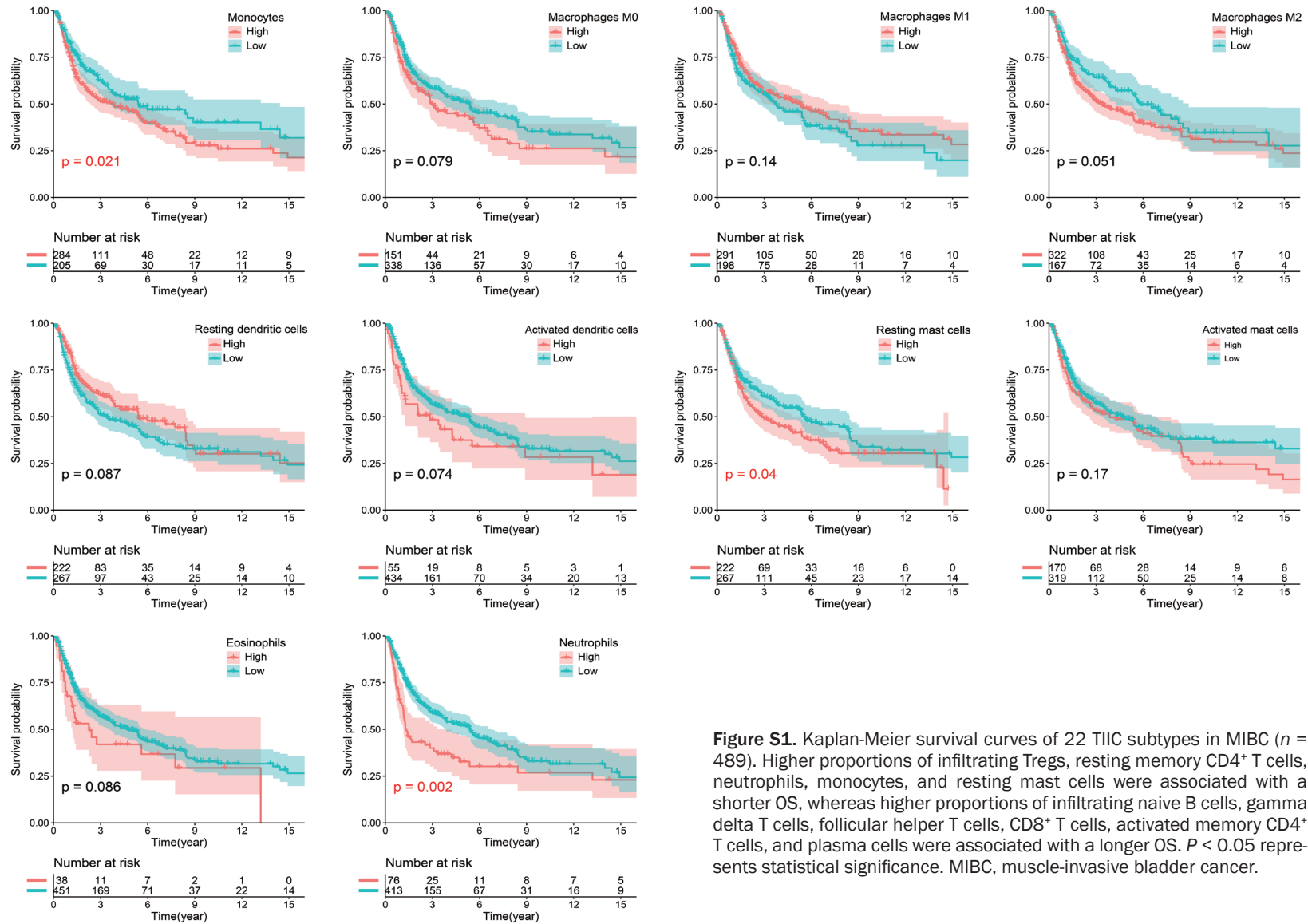


Figure S1. Kaplan-Meier survival curves of 22 TIIC subtypes in MIBC ($n = 489$). Higher proportions of infiltrating Tregs, resting memory CD4⁺ T cells, neutrophils, monocytes, and resting mast cells were associated with a shorter OS, whereas higher proportions of infiltrating naive B cells, gamma delta T cells, follicular helper T cells, CD8⁺ T cells, activated memory CD4⁺ T cells, and plasma cells were associated with a longer OS. $P < 0.05$ represents statistical significance. MIBC, muscle-invasive bladder cancer.

TIICs in MIBC

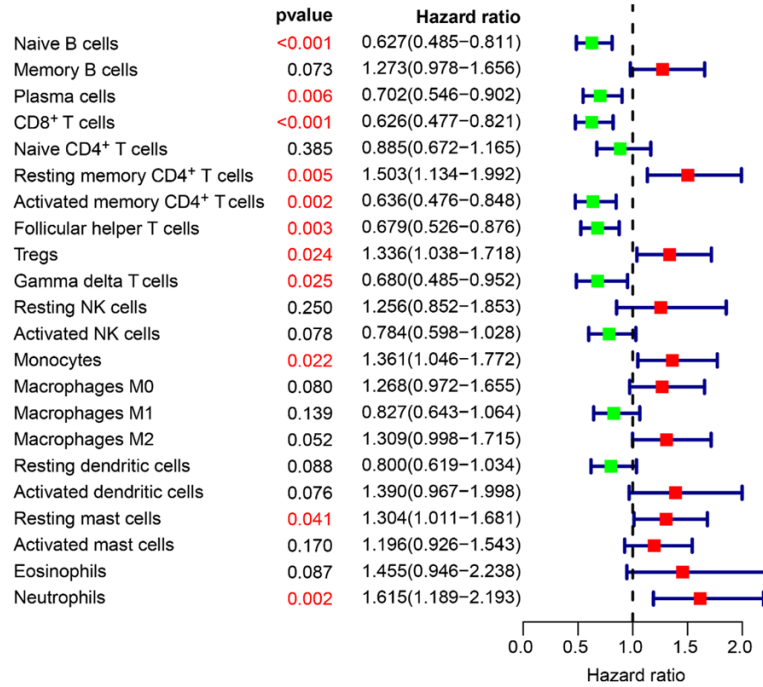


Figure S2. Forest plots showing the associations between 22 TIIC types and OS in 489 MIBC patients. Unadjusted HRs are shown with 95% CIs. $P < 0.05$ represents statistical significance. MIBC, muscle-invasive bladder cancer. TIICs, tumor-infiltrating immune cells. OS, overall survival.

TIICs in MIBC

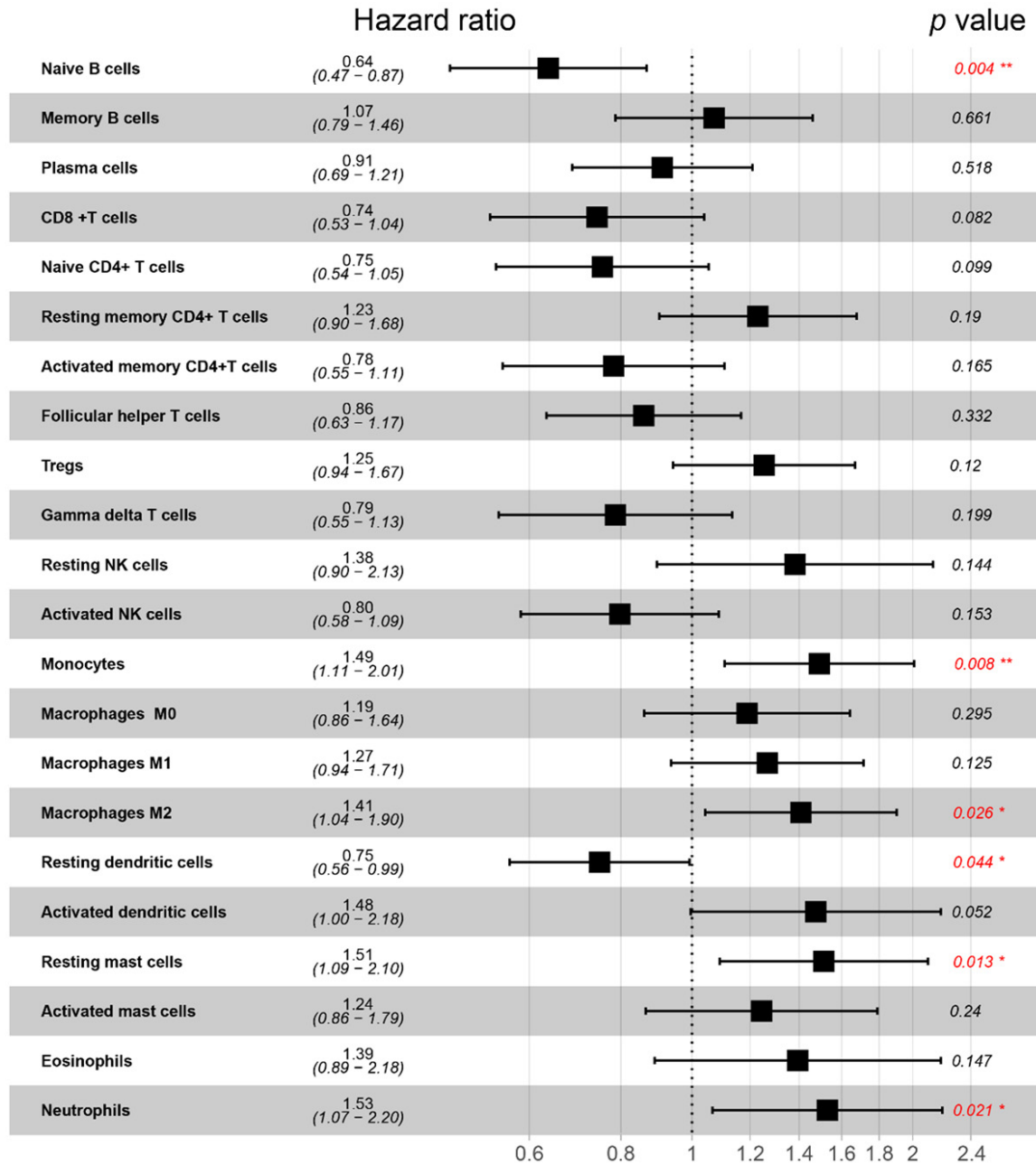


Figure S3. Multivariate Cox regression analysis of 22 TIIC subtypes and OS in 489 patients. Monocytes, M2 macrophages, resting mast cells, and neutrophils were independent risk factors for OS, whereas naive B cells and resting dendritic cells were independent predictors for OS in MIBC patients. Unadjusted HRs are shown with 95% CIs. $P < 0.05$ represents statistical significance. MIBC, muscle-invasive bladder cancer. TIICs, tumor-infiltrating immune cells. OS, overall survival.

TIICs in MIBC

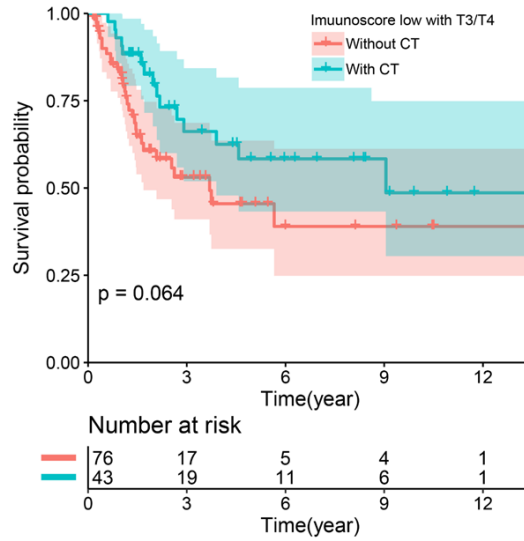


Figure S4. For the patients with low immunoscores and T3/T4 stage disease, no significant difference in OS was found irrespective of chemotherapy use ($P > 0.05$). OS, overall survival. CT, chemotherapy.

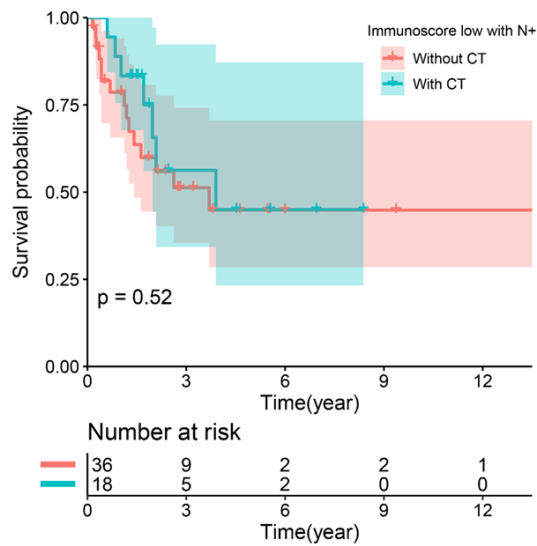


Figure S5. For the patients with low immunoscores and regional lymph node metastasis, no significant difference in OS was found irrespective of chemotherapy use ($P > 0.05$). OS, overall survival. CT, chemotherapy.