**S4 Table.** Univariable and multivariable analyses for overall survival

|                        | Univariable |          |          | Multivariable |          |          |
|------------------------|-------------|----------|----------|---------------|----------|----------|
|                        | HR (95% CI) | p-value  | HR (95% CI) | p-value       |          |          |
| **Non-interventional variables** |             |          |          |               |          |          |
| Age (yr)               |             |          |          |               |          |          |
| < 70                   | 1           |          | 1        |               |          |          |
| ≥ 70                   | 2.04 (1.03-4.06) | 0.041 | 1.92 (0.95-3.86) | 0.069 |          |          |
| Sex                    |             |          |          |               |          |          |
| Male                   | 1           |          |          |               |          |          |
| Female                 | 0.82 (0.29-2.31) | 0.702 |          |               |          |          |
| cN                     |             |          |          |               |          |          |
| Negative               | 1           |          |          |               |          |          |
| Positive               | 0.66 (0.29-1.52) | 0.331 |          |               |          |          |
| ypT                    |             |          |          |               |          |          |
| ypT0-1                 | 1           |          |          |               |          |          |
| ypT2+                  | 3.82 (0.91-15.95) | 0.066 | 3.33 (0.77-14.45) | 0.109 |          |          |
| ypN                    |             |          |          |               |          |          |
| ypN1                   | 1           |          |          |               |          |          |
| ypN2+                  | 1.59 (0.73-3.49) | 0.245 | 0.80 (0.23-2.73) | 0.716 |          |          |
| No. of positive lymph nodes |         |          |          |               |          |          |
| < 3                    | 1           |          |          |               |          |          |
| ≥ 3                    | 1.8 (0.90-3.59) | 0.098 | 1.86 (0.64-5.44) | 0.258 |          |          |
| Pathological stage     |             |          |          |               |          |          |
| ypT0/is/a and ypN+     | 1           |          |          |               |          |          |
| ypIIIA (T1-4a, N1)     | 3.69 (0.45-30.09) | 0.222 |          |               |          |          |
| ypIIIB (T1-4a, N2-3)   | 5.99 (0.81-44.51) | 0.080 |          |               |          |          |
| ypIVA (T4b or M1a)     | 10.11 (1.2-85.09) | 0.033 |          |               |          |          |
| **Interventional variables** |         |          |          |               |          |          |
| Adjuvant               |             |          |          |               |          |          |
| Not done               | 1           |          | 1        |               |          |          |
| Done                   | 1.28 (0.64-2.56) | 0.479 | 1.32 (0.63-2.74) | 0.463 |          |          |
| Adjuvant regimen       |             |          |          |               |          |          |
| MVAC                   | 1           |          |          |               |          |          |
| Others                 | 2.2 (0.54-8.94) | 0.272 |          |               |          |          |
| Surgery                |             |          |          |               |          |          |
| Radical cystectomy     | 1           |          |          |               |          |          |
| Partial cystectomy     | 0.3 (0.04-2.22) | 0.240 |          |               |          |          |
| LND                    |             |          |          |               |          |          |
| Standard               | 1           |          |          |               |          |          |
| Extended               | 0.67 (0.35-1.32) | 0.249 |          |               |          |          |
| Limited                | 0.71 (0.16-3.09) | 0.649 |          |               |          |          |
| No. of LNs harvested   |             |          |          |               |          |          |
| < 20                   | 1           |          |          |               |          |          |
| ≥ 20                   | 0.83 (0.39-1.77) | 0.632 |          |               |          |          |
| Surgical resection status |        |          |          |               |          |          |
| R0                     | 1           |          |          |               |          |          |
| R1                     | 1.67 (0.73-3.81) | 0.227 | 1.50 (0.63-3.57) | 0.356 |          |          |

CI, confidence interval; HR, hazard ratio; LN, lymph node; LND, lymph node dissection; MVAC, methotrexate, vinblastine, doxorubicin, and cisplatin.