Improved long-term survival of corpus cancer in Japan: A 40-year population-based analysis

Authors

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Supplementary Table 1. 5-year and 10-year relative survival rate by age group (Carcinoma group)

| Age Group | Localized | | | Regional group | | | | Distant | | |
|-----------|-----------|---|---|-----------------|---|---|---------|---|---|
|           | n         | 5-year | 10-year | n | 5-year | 10-year | n | 5-year | 10-year |
| 0-59      | 3,344     | 95.8 [94.9-96.5] | 94.0 [92.9-95.1] | 1,126 | 74.7 [72.0-77.2] | 69.8 [66.6-72.7] | 297 | 27.1 [22.0-32.4] | 23.6 [18.6-29.0] |
| 60+       | 2,341     | 88.5 [86.8-90.1] | 87.1 [84.5-89.5] | 927 | 54.1 [50.6-57.5] | 44.7 [40.3-49.1] | 381 | 16.1 [12.4-20.2] | 11.8 [8.1-16.3] |

Supplementary Table 2. Changes in first-line treatments by period in regional and distant metastasis cases in the elderly (Carcinoma group)

| Number of cases | Surgery only, Radiation only | Surgery+Radiation, Radiation only | Surgery+Radiation+Chemotherapy, Surgery+Chemotherapy | p value (Fisher's exact test) |
|-----------------|-------------------------------|-----------------------------------|------------------------------------------------------|-----------------------------|
| Regional        |                               |                                   |                                                      |                             |
| 20-74           | 244 (14.8%)                   | 1,409 (85.2%)                    |                                                      | <0.001                      |
| 75-99           | 82 (52.9%)                    | 73 (47.1%)                       |                                                      |                             |
| Distant         |                               |                                   |                                                      |                             |
| 20-74           | 50 (12.4%)                    | 354 (87.6%)                      |                                                      | <0.001                      |
| 75-99           | 29 (60.4%)                    | 19 (39.6%)                       |                                                      |                             |

The proportion of cases in the group with a single treatment (Surgery only and Radiation only) was compared with that of cases with combined treatments (Surgery + Radiation, Surgery + Radiation + Chemotherapy, Surgery + Chemotherapy) in the elderly, and the results were evaluated by Fisher's exact test.
Supplemental figure 1. A diagram showing the cases analyzed

Total: 62,994 cases (C53: 43,841 cases, C54: 15,225 cases, C55: 3,838 cases)

- C53 and C55 excluded.

Uterine corpus neoplasia (C54: 15,225 cases) – Figure 1

- Excluded: Multiple cancers, older than 100 years, follow-up period of less than 5 years, mesenchymal tumors and missing information of extent of disease excluded.

Data set for survival analysis (8,416 cases) – Figure 2 & 3

- Excluded: Histology other than endometrioid carcinoma, serous carcinoma, clear cell carcinoma and carcinosarcoma

Data set for analysis by histology (9,113 cases) Endometrioid carcinoma: 7,781 cases, Serous carcinoma: 601 cases, Clear cell carcinoma: 229 cases, Carcinosarcoma: 452 cases – Figure 4

- Excluded: Multiple cancers, older than 100 years, follow-up period of less than 5 years, mesenchymal tumors and missing information of extent of disease.

Data set for survival analysis by histology (4,959 cases)
Endometrioid carcinoma: 4,239 cases, Serous carcinoma: 327 cases, Clear cell carcinoma: 141 cases, Carcinosarcoma: 247 cases – Figure 5
Supplementary Figure 2. Differences in age distribution at the onset by histological type in cases diagnosed in 2016.