

**S1 Table.** Results of univariate analysis in patients undergoing gross total resection

|                         | No. (%) | 10-Year OS | p-value <sup>a)</sup> | 10-Year DFS | p-value <sup>a)</sup> | 10-Year LC | p-value <sup>a)</sup> | 10-Year RC | p-value <sup>a)</sup> | 10-Year DMFS | p-value <sup>a)</sup> |
|-------------------------|---------|------------|-----------------------|-------------|-----------------------|------------|-----------------------|------------|-----------------------|--------------|-----------------------|
| Age (yr)                |         |            |                       |             |                       |            |                       |            |                       |              |                       |
| < 60                    | 72 (84) | 85.1       | 0.198                 | 40.0        | 0.505                 | 664.2      | 0.774                 | 86.9       | 0.398                 | 65.1         | 0.881                 |
| ≥ 60                    | 14 (16) | 81.3       |                       | 75.0        |                       | 69.2       |                       | 100        |                       | 81.3         |                       |
| Sex                     |         |            |                       |             |                       |            |                       |            |                       |              |                       |
| Male                    | 44 (51) | 84.8       | 0.446                 | 42.8        | 0.786                 | 66.4       | 0.714                 | 85.5       | 0.590                 | 58.2         | 0.728                 |
| Female                  | 42 (49) | 72.8       |                       | 42.7        |                       | 66.0       |                       | 90.2       |                       | 73.2         |                       |
| ECOG                    |         |            |                       |             |                       |            |                       |            |                       |              |                       |
| 0                       | 38 (44) | 77.6       | 0.450                 | 42.4        | 0.604                 | 66.1       | 0.339                 | 81.1       | 0.881                 | 70.7         | 0.805                 |
| 1-2                     | 48 (56) | 86.3       |                       | 42.6        |                       | 66.6       |                       | 91.1       |                       | 63.3         |                       |
| Tumor location          |         |            |                       |             |                       |            |                       |            |                       |              |                       |
| Supratentorial          | 69 (80) | 78.0       | 0.105                 | 42.9        | 0.500                 | 64.8       | 0.461                 | 89.2       | 0.686                 | 61.9         | 0.303                 |
| Infratentorial          | 17 (20) | 100        |                       | 39.8        |                       | 66.2       |                       | 83.3       |                       | 76.1         |                       |
| Tumor size              |         |            |                       |             |                       |            |                       |            |                       |              |                       |
| < 5 cm                  | 40 (47) | 92.9       | 0.210                 | 42.4        | 0.711                 | 61.9       | 0.429                 | 90.2       | 0.518                 | 73.6         | 0.241                 |
| ≥ 5 cm                  | 46 (53) | 75.3       |                       | 42.1        |                       | 69.2       |                       | 85.1       |                       | 57.5         |                       |
| PORT                    |         |            |                       |             |                       |            |                       |            |                       |              |                       |
| Surgery only            | 32 (37) | 78.9       | 0.365                 | 32.1        | 0.001                 | 43.7       | <0.001                | 100        | 0.172                 | 77.2         | 0.580                 |
| PORT                    | 54 (63) | 85.7       |                       | 49.2        |                       | 77.3       |                       | 82.1       |                       | 59.2         |                       |
| WHO grade <sup>b)</sup> |         |            |                       |             |                       |            |                       |            |                       |              |                       |
| II                      | 48 (56) | 78.5       | 0.409                 | 51.5        | 0.282                 | 68.9       | 0.792                 | 87.6       | 0.402                 | 70.9         | 0.359                 |
| III                     | 38 (44) | 92.4       |                       | 31.3        |                       | 60.7       |                       | 88.8       |                       | 58.6         |                       |
| Ki-67 (%) <sup>b)</sup> |         |            |                       |             |                       |            |                       |            |                       |              |                       |
| < 10                    | 40 (69) | 85.1       | 0.198                 | 48.4        | 0.030                 | 64.6       | 0.748                 | 90.1       | 0.314                 | 74.3         | 0.062                 |
| ≥ 10                    | 18 (31) | 81.3       |                       | 13.1        |                       | 48.9       |                       | 64.3       |                       | 56.9         |                       |

DFS, disease-free survival; DMFS, distant metastasis-free survival; ECOG, Eastern Cooperative Oncology Group; LC, local control rate; OS, overall survival; PFS, progression-free survival; PORT, postoperative radiotherapy; RC, regional control rate; WHO, World Health Organization.

<sup>a)</sup>Long-rank test, <sup>b)</sup>Available data only.