**Table S2**

Tumour- and surgery-related variables in 244 patients treated for GBM 2005-2015 (the biobank cohort). Statistical analyses with t-test\*, Wilcoxon signed rank test+, log-rank test# or Chi-square test°.

|  |  |  |  |
| --- | --- | --- | --- |
| **Resection and biopsy (n=244)** |  |  | **p-value** |
| Preoperative MRI |  |  |  |
| (no, %) |  | 227 (93) |  |
| Perioperative 5-ALA |  |  |  |
| (no, %) |  | 87 (36) |  |
| Postoperative imaging |  |  |  |
| (no, %) | MRI | 168 (69) |  |
|  | CT | 7 (3) |  |
|  | None | 69 (28) |  |
| Tumour location |  |  |  |
| (no, %) | Frontal | 68 (28) |  |
|  | Parietal | 35 (14) |  |
|  | Temporal | 77 (32) |  |
|  | Occipital | 12 (5) |  |
|  | Central | 21 (9) |  |
|  | Multifocal | 31 (13) |  |
|  | Posterior fossa | 0 (0) |  |
| Eloquent area |  |  |  |
| (no, %) |  | 49 (20) |  |
| Tumour volume |  |  |  |
| (cm3) (mean, S.D., range) | Preoperative | 35.0 (27.2, 0.5-156.7) |  |
| (cm3) (mean, S.D., range) | Postoperative | 10.5 (16.5, 0.0-128.6) | <0.001\*  <0.001+ |
| Extent of surgery |  |  |  |
| (no, %) | Resection ≥95% | 76 (31) |  |
|  | Resection <95% | 100 (41) |  |
|  | Biopsy | 68 (28) |  |
| **Overall survival** |  |  |  |
| Months (median, 95% CI) | Resection ≥95% | 19.6 (17.4-21.9) |  |
|  | Resection <95% | 11.0 (9.1-12.9) |  |
|  | Biopsy | 5.7 (4.2-7.2) | <0.001# |
|  |  |  |  |
| **Resection (n=176)** |  |  |  |
| Perioperative 5-ALA |  |  |  |
| (no, %) |  | 85 (48) |  |
| Postoperative imaging |  |  |  |
| (no, %) | MRI | 166 (94) |  |
|  | CT | 4 (2) |  |
|  | None | 6 (3) |  |
| Tumour volume |  |  |  |
| (cm3) (mean, S.D., range) | Preoperative | 37.9 (27.8, 0.8-156.7) |  |
| (cm3) (mean, S.D., range) | Postoperative | 4.1 (6.0, 0.0-33.3) | <0.001\*  <0.001+ |
| Resection without 5-ALA (n=91) |  |  |  |
| (no, %) | Resection ≥95% | 30 (33) |  |
|  | Resection <95% | 61 (67) |  |
| Resection with 5-ALA (n=85) |  |  |  |
| (no, %) | Resection ≥95% | 46 (54) |  |
|  | Resection <95% | 39 (46) | <0.001° |