**Table S1**

Clinical characteristics of 382 patients diagnosed with GBM in the northern Swedish health care region during the years 2005-2015, 244 patients in the biobank cohort and 138 not included in the biobank. Statistical analyses with Chi-square test°, Mann-Whitney U-test+ and log rank test#.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Biobank cohort (n=244)** | **Patients not included (n=138)** | **p-value** |
| Gender |  |  |  |  |
| (no, %) | Male | 155 (64) | 84 (61) |  |
|  | Female | 89 (36) | 54 (39) | ns° |
| Age at diagnosis |  |  |  |  |
| (median, range) |  | 64 (21-84) | 67 (41-84) | <0.01+ |
| (no, %) | 18-39 | 12 (5) | 0 (0) |  |
|  | 40-59 | 75 (31) | 40 (29) |  |
|  | 60-69 | 79 (32) | 38 (28) |  |
|  | ≥70 | 78 (32) | 60 (43) | <0.01° |
| Surgery |  |  |  |  |
| (no, %) | Biopsy | 67 (27) | 84 (61) |  |
|  | Resection | 177 (73) | 46 (33) |  |
|  | Autopsy only | 0 (0.0) | 8 (6) | <0.001° |
| Overall survival in months |  |  |  |  |
| (median, 95% CI) |  | 10.6 (9.6-11.7) | 6.8 (5.6-8.0) | <0.05# |
| Comorbidity |  |  |  |  |
| (no, %) | Cardiovascular disease | 122 (50) |  |  |
|  | Lung disease | 18 (7) |  |  |
|  | Neurological disease | 9 (4) |  |  |
|  | Inflammatory disease | 27 (11) |  |  |
|  | Metabolic disease including diabetes | 39 (16) |  |  |
|  | Other malignancy | 31 (13) |  |  |
| Smoking |  |  |  |  |
| (no, %) | Smoker | 33 (14) |  |  |
|  | Non-smoker | 106 (43) |  |  |
|  | Former smoker | 44 (18) |  |  |
|  | Unknown | 61 (25) |  |  |
| Preoperative WHO PS |  |  |  |  |
| (no, %) | 0 | 41 (17) |  |  |
|  | 1 | 128 (52) |  |  |
|  | 2 | 55 (23) |  |  |
|  | 3 | 16 (7) |  |  |
|  | 4 | 4 (2) |  |  |