

## Online Resource 4

Article title: Survival of glioblastoma in relation to tumor location: A statistical tumor atlas of a population-based cohort

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Odds ratio (OR) of receiving adjuvant radiochemotherapy by patient and tumor characteristics ( $N = 206$ )

|                                    | Univariable          |          | Multivariable       |          |
|------------------------------------|----------------------|----------|---------------------|----------|
|                                    | OR (95 % CI)         | <i>P</i> | OR (95 % CI)        | <i>P</i> |
| Age (per year)                     | 0.880 (0.840-0.922)  | < 0.001  | 0.879 (0.830-0.930) | < 0.001  |
| Sex [reference female]             |                      |          |                     |          |
| Male                               | 1.383 (0.708-2.702)  | 0.343    | -                   | -        |
| Preoperative KPS [reference < 70]  |                      |          |                     |          |
| ≥ 70                               | 6.640 (3.244-13.590) | < 0.001  | 3.811 (1.660-8.749) | 0.002    |
| Preoperative tumor volume (per mL) | 0.991 (0.982-1.000)  | 0.05     | 0.993 (0.976-1.010) | 0.392    |
| TVTBA in cm                        | 1.555 (1.191-2.030)  | 0.001    | 1.531 (1.002-2.339) | 0.049    |
| Biopsy only [reference No]         |                      |          |                     |          |
| Yes                                | 0.194 (0.091-0.413)  | < 0.001  | 0.570 (0.135-2.416) | 0.446    |
| Residual tumor volume (per mL)     | 0.979 (0.966-0.992)  | 0.002    | 1.012 (0.986-1.038) | 0.374    |

<sup>a</sup> TVTB = shortest distance from center of third ventricle to preoperative contrast-enhancing tumor border.