

**Supplementary Table 1.** Characteristics of patients with newly diagnosed GBM treated without BCNU wafer implantation when the ventricle was opened

Characteristic	No. BCNU implantation with VO (n=11)
Sex	
Female	6
Male	5
Age (years)	67.7±8.9
Charlson comorbidity index	4.3±1.6
Preoperative KPS	59.1±20.7
Postoperative KPS	73.6±21.6
Number of wafers	0
Extent of resection	
Gross total resection	7
Subtotal resection	0
Partial removal	4

Values are presented as mean±standard deviation or number. GBM : glioblastoma, BCNU : bis-chloroethyl-nitrosourea, VO : ventricular opening, KPS : Karnofsky Performance Status