

Grading	Subtypes
Grade I (benign)	meningotheelial fibrous transitional psammomatous angiomatous microcystic secretory lymphoplasmacyte-rich metaplastic
Grade II Mitotic index 4–19 per 10 HPF, brain invasion possible	chordoid clear cell or atypical with three or more of the following criteria: increased cellularity, small cells with high nuclear-to- cytoplasmic ratio, prominent nucleoli, sheeting, foci of spontaneous necrosis
Grade III (malignant) Mitotic index ≥ 20 per 10 HPF	papillary rhabdoid or anaplastic (malignant) with overtly malignant cytology: high- grade sarcoma-, carcinoma-, or melanoma-like appearance, markedly elevated mitotic activity, often extensive necrosis, and a Ki67 proliferation index $\geq 20\%$

Different subtypes may occur within one meningioma.