

2022.7.1

治療方針番号	P	BR	4
疾患名			
髄膜腫			
適応			
切除困難または悪性, 退形成性髄膜腫			
病態			
☒ 切除非適応 ☐ 化学療法不応 ☐ ☒ 再発性 ☐ 転移性 ☒ 他			
照射方法			
1) Atypical, Anaplastic, 総線量61.6GyE/28回 2) benign, 総線量54GyE/30回			
併用療法			
NCCNガイドライン 外科的切除			
根拠となる論文, ガイドライン, 実績等			
1) Slater JD et al, Fractionated proton radiotherapy for benign cavernous sinus meningiomas. Int J Radiat Oncol Biol Phys 83: e633–637, 2012 2) Weber DC et al, Spot scanning-based proton therapy for intracranial meningioma: long-term results from the Paul Scherrer Institute. Int J Radiat Oncol Biol Phys 83: 865–871, 2012 3) Combs SE et al, Proton and carbon ion radiotherapy for primary brain tumors and tumors of the skull base. Acta Oncol 52: 1504–1509, 2013 4) Noel et al, Functional outcome of patients with benign meningioma treated by 3D conformal irradiation with a combination of photon and proton. Int J Radiat Oncol Biol Phys 62: 1412–1422, 2005 5) Madani I, et al. Dose-painting intensity-modulated proton therapy for intermediate- and high-risk meningioma. Radiat Oncol. 2015 Mar 30;10:72.			
備考			