

Medulloblastoma Radiographic Features

[Medulloblastoma Classification](#) presents many faces in medical imaging.

[Location](#) is the key to this approach

[cerebellar peduncle/foramen of Luschka](#)

very likely [Medulloblastoma, WNT-activated](#) and therefore best prognosis

[cerebellar hemisphere](#)

very likely SHH subgroup and therefore intermediate prognosis likely desmoplastic/nodular/medulloblastoma with extensive nodularity (MBEN)

[midline](#)

may be [Group 3 medulloblastoma](#), [Group 4 medulloblastoma](#) or [Medulloblastoma, SHH-activated](#)

typically infants with a tumor with ill-defined margins but prominent enhancement: likely [Group 3 medulloblastoma](#) or [Medulloblastoma, SHH-activated](#) and therefore worst prognosis

typically children with a tumor with well-defined margins but mild or no enhancement: likely [Group 4 medulloblastoma](#) and therefore slightly better prognosis

adults with variably defined and variably enhancing tumors: most likely [Medulloblastoma, SHH-activated](#); hemorrhage raises the probability of group ¹⁾

Computed tomography

[Medulloblastoma Computed Tomography](#).

Magnetic resonance imaging

see [Medulloblastoma Magnetic Resonance Imaging](#).

¹⁾

Keil VC, Warmuth-Metz M, Reh C, Enkirch SJ, Reinert C, Beier D, Jones DTW, Pietsch T, Schild HH, Hattungen E, Hau P. Imaging Biomarkers for Adult Medulloblastomas: Genetic Entities May Be Identified by Their MR Imaging Radiophenotype. AJNR Am J Neuroradiol. 2017 Oct;38(10):1892-1898. doi: 10.3174/ajnr.A5313. Epub 2017 Aug 10. PMID: 28798218; PMCID: PMC7963605.

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