

Microscopic

Sections demonstrate a mildly to markedly hypercellular glial neoplasm that diffusely infiltrates both gray and white matter. The neoplastic cells range from microgemistocytis to ordinary gemistocytes and many have round nuclei with prominent perinuclear halos. Atypia is moderate. Neither microvascular proliferation nor necrosis is seen. However, up to nine mitoses are seen in 10 high power fields.

Diagnosis

Anaplastic oligoastrocytoma, oligodendroglioma predominant grade III