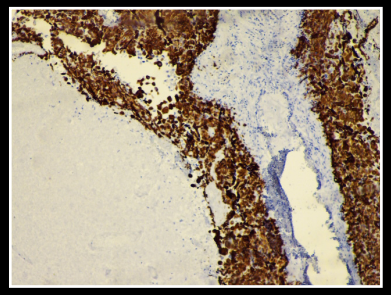
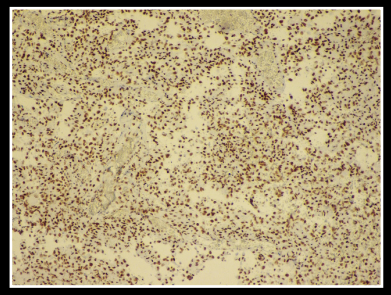
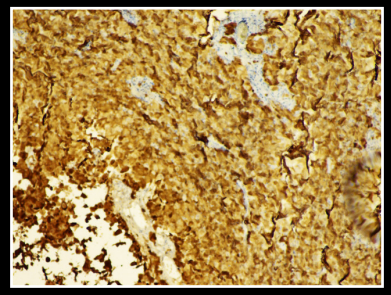
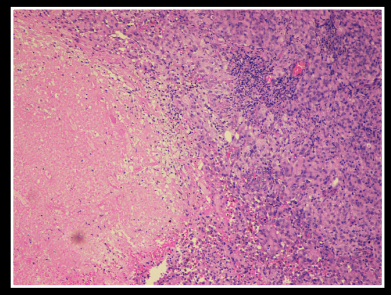
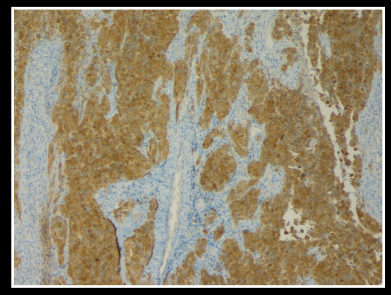

GFAP


INI1


S100


H&E


BRAF VE1

HISTOMORPHOLOGY

Section studied showed a tumor composed of sheets of monomorphic epithelioid to rhabdoid cells showing focal discohesion. Individual cells had moderate eosinophilic cytoplasm and eccentric, pleomorphic nuclei. Extensive areas of necrosis, atypical mitosis and microvascular proliferation were noted.

IMMUNOHISTOCHEMISTRY

The neoplastic cells expressed S100, GFAP and BRAF VE1. INI1 was retained and staining for IDH1 was negative. Ki-67 proliferative index was upto 40%.

DIAGNOSIS

In view of the epithelioid to rhabdoid morphology with necrosis and microvascular proliferation, and positivity for S100, GFAP and BRAF VE1 with retained INI1, diagnosis of an Epithelioid Glioblastoma was rendered. The case was recommended for BRAF V600E mutation analysis.