ABSTRACT

Background

Introduction
Cerebellar glioblastoma multiforme (GBM) is a very uncommon adult lesion. We present a case of cerebellar GBM and review their clinical, imaging and pathological features.

Case presentation
We report the case of a 30 year-old Kenyan female with progressive headache and coordination deficits. A neurologic examination revealed the presence of cerebellar signs. Computed tomography (CT) demonstrated a well circumscribed, hemorrhagic lesion in the posterior fossa with minimal perilesional edema and mild enhancement with contrast. On magnetic resonance imaging (MRI) the mass was hyperintense on T1-weighted, hypointense on T2-weighted with minimal adjacent edema, showed blooming on gradient sequence and no restriction with diffusion. The mass had mild enhancement with gadolinium contrast. Suboccipital craniotomy was carried with pathologic examination revealing a highly cellular tumor with marked nuclear atypia, numerous mitoses and areas of necrosis.

Conclusions
We report an unusual case of cerebellar glioblastoma with atypical imaging findings. Cerebellar glioblastoma multiforme should be considered in the differential diagnosis of a cerebellar mass lesion.

Keywords: Cerebellum, Glioblastoma, Posterior fossa