

MRI OF THE BRAIN WITHOUT AND WITH IV CONTRAST

history

CLINICAL INDICATION: [imported history]

Tumor Type & Mutations: [fill-in:tumor type]

Surgical History: [fill-in:last surgery date]

Radiation History: [fill-in:radiation completion date]

Relevant Medications: [fill-in:medications (avastin or steroids)]

technique

TECHNIQUE:

Pre-contrast sagittal and axial T1-w, and axial T2-FLAIR, GRE, and diffusion-w sequences of the brain with ADC maps. [Perfusion or spectroscopy if present] Post-contrast axial fat-saturated T2-w and T1-w, and sagittal volumetric T1-w images of the brain with axial and coronal reformations. Intravenous contrast material was administered for the examination.

COMPARISON: [<None.>]

FINDINGS:

TUMOR:

Location: [fill-in:location]

FLAIR

FLAIR:

[No change in extent of nonenhancing FLAIR abnormality.] [fill-in:Additional flair description] [No new sites of FLAIR abnormality.]

Enh

Enhancement:

[No change in extent of enhancing component at primary site.] [fill-in:Additional enhancement description] [No new sites of enhancement.]

Dif

Diffusion:

[No diffusion abnormality to suggest hypercellular tumor.]

Per

Perfusion (only in studies with perfusion):

[No evidence of abnormal hyperperfusion (rCBV).]

Spectroscopy (only in studies with spectroscopy):

[<Normal metabolite ratios.>]

Posttreatment changes:

[<Expected post treatment changes are noted.>]

Other

ADDITIONAL FINDINGS:

Infarction: [No acute infarction.]

Extra-axial Collection: [<No unexpected fluid collection.>]

Ventricular System: [No hydrocephalus.]

Major Intracranial Flow Voids: [<Normal.>]

Osseous Structures: [<Expected marrow signal.>]

Included Orbits: [<Normal.>]

Paranasal Sinuses: [Predominantly clear.]

Tympanomastoid Cavities: [<Normal>].

Legend

0 - New baseline, incomplete study, or otherwise unable to categorize

1a - Improvement in imaging findings suspected to reflect decreasing tumor burden and/or treatment effect

1b - Improvement in imaging findings potentially due to effect from medications such as steroids or initiating avastin

2 - No appreciable change from the prior

3a - Worsening imaging findings favored to represent treatment effects, including radiation therapy and medications

3b - Worsening imaging findings favored to represent an indeterminate mix of treatment effect and tumor worsening

3c - Worsening imaging findings favored to represent increasing burden of tumor

4 - Worsening of imaging findings highly suspicious for tumor progression

IMPRESSION:

1. [Glioblastoma/astrocytoma/oligodendroglioma] status post treatment. [No appreciable change in tumor compared to the prior study (Category: BT-2).]

2. [<Otherwise expected post-treatment findings.>]