Methionine-PET
Clinical summary

• 48 year old female
• Affected by a temporo-insular glioma, previously treated surgically
• The patients presents persisting signal alterations at the MRI, thus is referred for restaging PET
MRI findings

T1 weighted images: periferal contrast enhancement of the temporo-insular lesion
PET findings

No pathologic uptake of 11C-Methionine in the right temporo-insular region
Clinical summary

• 40 year old female
• Affected by left parietal astrocytoma surgically removed
• The patient is referred for a PET scan after documented relapse in the parieto-occipital region
• Subsequently the patient undergoes chemotherapy and post-treatment PET with 11C-Methionine
PET findings

Evidence of pathologic uptake of 11C-Methionine in the posterior portion of the parietal lobe and parieto-occipital region

http://humanhealth.iaea.org
PET findings

Partial response to treatment assessed by 11C-Methionine PET
Literature

- Methionine-PET is sensitive and accurate diagnostic modality for the assessment of treatment response in brain tumour.
- Its added value consists in the capability to differentiate recurrent glioma from post-treatment brain alterations, usually reported as equivocal in CIM.