

## Standard MRI brain

1. Axial T1
2. Axial T2
3. Axial FLAIR
4. Axial DWI
5. Axial GRE
6. Axial ADC/Exponential ADC
7. Sag T2 FLAIR

Optional with contrast: axial T1 post contrast, useful for further characterization of brain lesion/mass, metastatic disease evaluation, suspected infectious or inflammatory process

Perfusion protocol- followup for a known tumor for progression of disease

Indications for MR angiogram: evaluation for aneurysm, to assess for vascular lesions, assessment of stenosis or dissection of the carotids, vertebrobasilar system, etc. Alternatively a CTA head could be used as a first line option unless contraindicated.

Indications for MR venogram: symptomatic hypercoagulable patients with concern for intracranial venous thrombus, space occupying lesion (abscess, tumor, etc.) with potential compression of venous sinuses, and atraumatic patients with cerebral hemorrhage not typically associated with arterial bleeding.