

# Brain MRI--Epilepsy

- Sagittal T1
- Axial T1 MPRAGE (reconstruct coronal and sagittal)
  - All epilepsy studies must have a 3D T1. If on 3T, can obtain sagittal T1 MPRAGE and reformat with thin axials. On 1.5T, obtain the standard sagittal T1 TSE and an axial MPRAGE.
- Axial DWI/ADC
- Axial FLAIR
- Axial SWI or GRE
- Temporal lobe cuts (3 mm):
  - Coronal T2
  - Coronal FLAIR
  - Coronal inversion recovery
- If non-contrast only, please include axial T2
- Post-contrast
  - Axial T2
  - 3D T1 MPRAGE (reconstruct coronal and axial)
  - Axial T1
- For epilepsy surgery patients:
  - Coronal temporal lobe slices should be 1-2 mm, NO GAP (replace the coronal lobe sequences above)
  - Replace diffusion/RESOLVE with DTI