

# Brain MRI Protocol

## Typical Scan Protocol

The protocol below represents a full brain exam. There is variation depending on the clinical question and clinician preference. Note that some sequences such as the DWI have specific use cases and should be considered required if their indication is present, ie if an ischemic stroke is the clinical question, don't skip the DWI! It is highly suggested to acquire at least one post contrast series with fat saturation.

**Disclaimer:** Please keep in mind any parameters, positioning, or coil selections listed are meant to serve as a guideline, your particular scanner specifications and coil set may vary, necessitating different parameters than those listed.

Position: Supine or Prone

Coil: Flex coil, Quad Knee, Spine Coil, or Knee Coil

Parameters:

- FOV: Sm (12cm) Med(15cm) Lg (18cm)
- Resolution: 0.6mm x 0.8mm
- Slice Thickness: 2.5-3.5mm
- Averages/NEX: 4

Sagittal T2

Axial T2

Axial T2 FLAIR

Axial T2\* GRE

Axial DWI

Axial T1

Contrast

Sagittal T1

Axial T1

Dorsal T1

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