

## MRI BRAIN WITHOUT & WITH CONTRAST - Seizure

|                    |  |
|--------------------|--|
| <b>Indications</b> | <b>Epilepsy, seizure, contrast especially indicated with new onset, difficult to control, change in pattern, or per physician request.</b> |
| <b>Localizer</b>   | 3 plane scout  |

| <b>PLANE</b> | <b>SEQUENCE</b> | <b>FAT SAT</b> | <b>MODE</b> | <b>SLT/SP</b> | <b>FOV</b> | <b>NOTES</b>                               |
|--------------|-----------------|----------------|-------------|---------------|------------|--|
| Axial        | DWI             |                | ADC MAP     | 5 / 1.5       | 24 cm      | B0 and B1000                               |
| Sagittal     | T1              |                |             | 5 / 1.5       | 24 cm      |  |
| Axial        | T1              |                |             | 5 / 1.5       | 24 cm      |  |
| Axial        | T2              |                |             | 5 / 1.5       | 24 cm      |  |
| Axial        | FLAIR           | Y              |             | 5 / 1.5       | 24 cm      |  |
| Axial        | GRE             |                |             | 5 / 1.5       | 24 cm      | perform your scanner equivalent            |
| Coronal      | T2              |                |             | 3 / 1         | 18 cm      | thins through hippocampus / temporal bones |
| Coronal      | T2 FLAIR        | Y              |             | 3 / 1         | 18 cm      | thins through hippocampus / temporal bones |
| Coronal      | 3D T1           |                |             | 2             | 24 cm      |  |
| Axial + C    | T1              | Y              |             | 5 / 1.5       | 24 cm      |  |
| Coronal + C  | T1              | Y              |             | 5 / 1.5       | 24 cm      |  |



Coronals through hippocampus/  
temporal bones

Coronals angled perpendicular to hippocampus

