

Quantum Imaging and Therapeutic Associates

Brain (Seizure/Epilepsy) – 1.5 Tesla

| | |
|--------------------|--------------------------------------|
| Indications | Known or suspected seizure activity. |
| Coil | Head |
| Position | Supine |
| FOV | 22 cm |
| Comments / Special | |

| <u>Sequence</u> | <u>TR</u> | <u>TE</u> | <u>TI</u> | <u>Flip</u> | <u>ST/sp</u> | <u>Matrix</u> |
|---------------------------|-----------|-----------|-----------|-------------|--------------|---------------|
| Sag T1 | 600-700 | 10-15 | | | 5/2 | 256 x 192 |
| Cor T1 3D SPGR | 12 | 5 | 400 | 25 | 2/0 | 224 x 224 |
| Cor FLAIR (temp lobes) | >8000 | 120-140 | 2200 | | 3/0.6 | 320 x 320 |
| Cor T2 (temp lobes) | >3000 | 80-100 | | | 3/0.6 | 320 x 320 |
| Ax T1 | 600-700 | 10-15 | | | 5/2 | 256 x 256 |
| Ax T2 FS | >3000 | 80-100 | | | 5/2 | 320 x 256 |
| Ax FLAIR | >8000 | 120-140 | 2200 | | 5/1 | 256 x 256 |
| Ax T2* GRE | 700-800 | 20 | | 15 | 5/1 | 192 x 192 |
| Ax DWI | 10000 | Min. | | | 5/1 | 256 x 256 |
| Ax T1 gad | 600-700 | 10-15 | | | 5/2 | 256 x 256 |
| Cor T1 3D SPGR gad | 13.5 | 5.5 | | 15 | 2/0 | 224 x 224 |