



CT TEMPORAL BONE with and without

GE Revolution

Approval: E. Alvarez, MD 12/2025

| | | | | | | | |
|----------------------------|---------------------|---|--------------|-----------------------|--------------------|-------------|-----------------------|
| INDICATION | | Mass | | | | | |
| POSITION / LANDMARK | | Supine / Chin | | | | | |
| START/END LOCATIONS | | Chin through mid skull. Caudal cranial | | | | | |
| CONTRAST PARAMETERS | | 50cc hand inject | | | | | |
| RESPIRATORY PHASE | | na | | | | | |
| SCAN DELAY | | na | | | | | |
| SCAN TYPE | | Helical | | | | | |
| KV | mA | Rot Time (sec) | Pitch | Speed (mm/rot) | Noise Index | ASiR | Dose Reduction |
| 120 | Smart mA 100-250 | 0.7 | 0.531 :1 | 10.62 | 6 | | |
| TECHNIQUE | | Using automated exposure control and adjustment of the mA and/or kV according to patient size, radiation dose to be kept as low as reasonably achievable to obtain optimal diagnostic quality images. | | | | | |

Scans

| Series # | Series | Body Part | DFOV | Thick/Space | Algorithm | Notes |
|----------|-------------|-----------|------|-------------|-----------|---------|
| 1 | Loc | | | | | AP/Lat |
| 2 | Source data | Mastoid | 18 | 0.625x0.625 | Bone | Without |
| 3 | Source data | Mastoid | 18 | 0.625x0.625 | STND | With |
| | | | | | | |
| | | | | | | |

Recons

| Recon source Series # | Recon | Body Part | Thick / Space | Algorithm | W/L | Notes |
|-----------------------|-------|------------|---------------|-----------|----------|----------------|
| 2 | AX | Mastoid | 0.625x0.625 | STND | 350/40 | without |
| 3 | AX | Mastoid | 0.625x0.625 | Bone | 3500/800 | with |
| 3 | AX | RT Mastoid | 0.625x0.625 | Bone | 3500/800 | 10.5 FOV, With |
| 3 | AX | LT Mastoid | 0.625x0.625 | Bone | 3500/800 | 10.5 FOV, With |

*Please note, recons are displayed as thickness X spacing



CT TEMPORAL BONE with and without

GE Revolution

Approval: E. Alvarez, MD 12/2025

| | | | | | | |
|---|-----|---------|-------------|------|----------|--------------|
| 3 | COR | Mastoid | 0.625x0.625 | Bone | 3500/800 | 18 FOV, with |
| 3 | SAG | Mastoid | 0.625x0.625 | Bone | 3500/800 | 18 FOV, with |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 2D / 3D Processing | | | | | | |
| Series required in PACS | | | | | | |
| Loc, Dose Report, Source data, ALL recons | | | | | | |

ADDITIONAL INSTRUCTIONS:

*Please note, recons are displayed as thickness X spacing