

## CT PEDIATRIC IAC TEMPORAL BONES

### PEDIATRIC IAC/TEMPORAL BONES CT

Indication: Cholesteatoma, Hearing loss, Fracture

#### Position/Landmark

Supine, Head first/ OM

#### Scout direction

Craniocaudal

#### Respiration

None

#### Scan Type

Helical / Full

#### Statistics

**KV/ mA/ Rotation time (sec):** 0-3 YRS .....80kv / Smart mA (10-300) / 0.8 sec

**Pitch/ Speed(mm/rotation):** 3-6 YRS... ..... 100KV / Smart mA (10-300) / 0.8 sec

**Noise Index:** 6-16 YRS..... 120kv / Smart mA (10-440) / 0.8sec

**Detector width x rows = Beam Collimation**

0.625mm X 32 = 20mm

#### Slice Thickness/Spacing Algorithm/Recon

<u>Recon</u>	<u>Thickness/spacing</u>	<u>Algorithm</u>
1. BILAT IAC	0.625mm X 0.625mm	Bone Plus
2. RT IAC	0.625mm X 0.312mm	Bone Plus
3. LT IAC	0.625mm X 0.312mm	Bone Plus

#### Angle

None

Access our **Modality Protocols** site for all current protocols at:

[www.MIARAD.com](http://www.MIARAD.com)

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**Location/FOV**

**Start/End Location:** Below the tip of the mastoid / to above the Temporal Bone

**SFOV:** 0-6yr...PED Head

**DFOV:** 6-16yr...Head

Adjust DFOV to Pt size      Recon 1: BILAT IAC 16cm

Recon 2: RT IAC 10cm

Recon 3: LT IAC 10cm

**IV Contrast Volume/Type/Rate**

75ml/ Isovue 370 / 2.5ml per sec

\* Contrast only at Physician/Radiologist request.

Inquire with Radiologist prior to study

**Scan Delay**

40 sec

**2D/3D**

Coronal Reformations of both the RT & LT IAC using the Recon. 2 for the RT and 3 for the LT

**Exam is to include all of the Petrous bone.**

**Images Required in PACS**

Scouts, Bilat IAC images, RT & LT IAC images, Coronal RT & LT IAC images and the Dose Report.