

Bryan Radiology Associates
CT sinus W

Last update: 2021-01-03 JN

Setup:

- Tape vitamin E pill to right cheek.
- No bismuth shield.
- Supine, lateral scout from below the mandible through the frontal sinuses

Contrast:

- Inject 100 ml of 320 – 370 mg/dl non-ionic contrast (e.g. Isovue 370 or Omnipaque 350) @ 2 ml/sec with a 90 second delay
- Dose can be decreased for known low GFR.

Scan:

- Helical scan parallel to hard palate (fig 1)
- Range: from approx 1 cm inferior to hard palate to approx 1 cm superior to superior margin of frontal sinuses (fig 2)
- 15 cm DFOV is preferred

PACS Series:

- topogram
- 1 mm x 1 mm AX Bone **kernel**
- 1 mm x 1 mm AX Soft Tissue
- 1 mm x 1 mm COR Bone **kernel**
- 1 mm x 1 mm COR Soft Tissue
- 1 mm x 1 mm SAG Bone **kernel**
- 1 mm x 1 mm SAG Soft Tissue

FOV:

- AX & SAG: include tip of nose to through posterior margin of odontoid tip
- AX & COR: include lateral edges of zygomatic arches
- COR & SAG: from approx 1 cm inferior to hard palate to approx 1 cm superior to superior margin of frontal sinuses

See next page

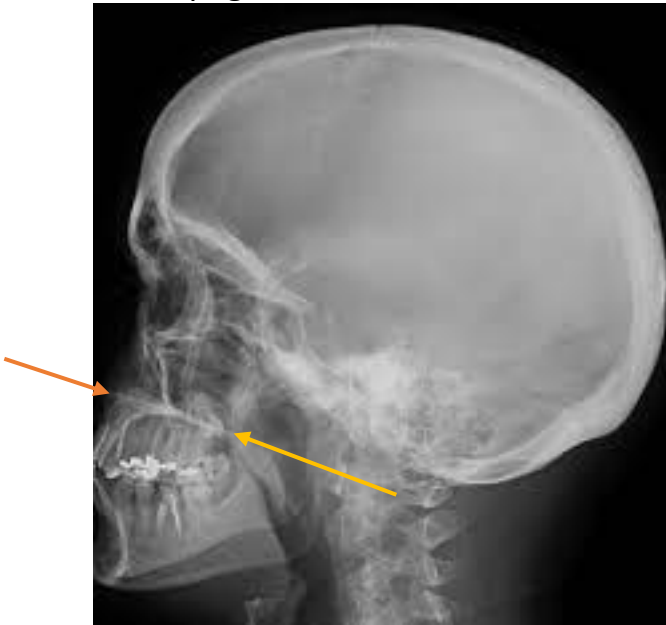


Fig 1: hard palate (arrows)

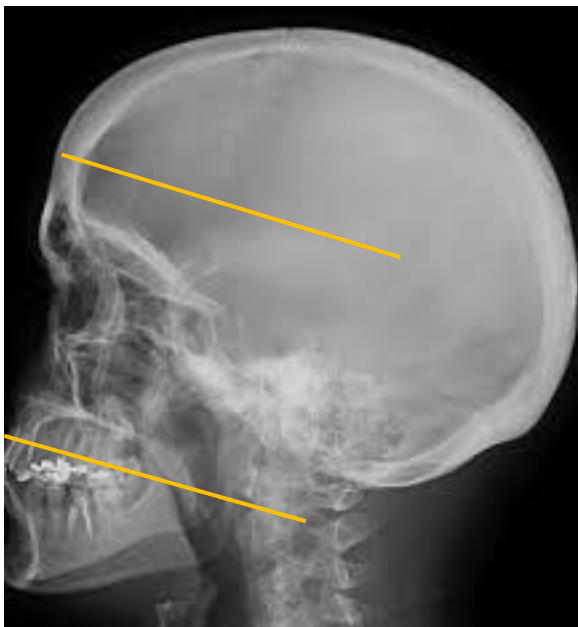


Fig 2: range

CTDI: ~ 15 mGy

Adapted from ARA

