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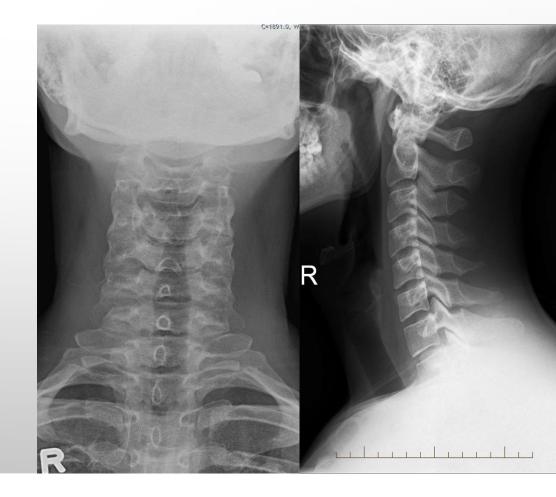
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C SPINE VIEWS

- 1. C SPINE AP
- 2. C SPINE LATERAL
- 3. C SPINE LATERAL FLEXION
- 4. C SPINE LATERAL EXTENSION



C SPINE X RAY INDICATIONS

- NECK, SHOULDER, ARM AND HAND PAIN.(RADIATING PAIN OF UPPER LIMBS) . CERVICAL SPONDYLOSIS.
- TINGLING , NUMBNESS AND WEAKNESS OF UPPER LIMBS.
- FRACTURES OF C SPINE. FALLING FROM HEIGHTS LIKE TREES AND BUILDING.
- **DISLOCATION OF VERTEBRAL JOINTS.**
- TRAUMA CASES: INJURIES TO HEAD AND NECK. IF PATIENT IS UNCONSCIOUS.
- PRE AND POST OP CASES.
- INFECTION.
- BONY ABNORAMLITIES LIKE OSTEOPOROSIS AND DEGENERATIVE CHANGES.

• C SPINE AP VIEW : TO DEMONSTRATATING THE VERTEBRAL BODIES AND INTERVERTEBRAL SPACES.

• LATERAL VIEW : 1.TO SEE SPINOUS PROCESS

2. TO SEE SOFT TISSUES AROUND THE C SPINE. 3. TO SEE ANTERIOR AND POSTERIOR RELATIONSHIPS OF VERTEBRAL BODIES.

• ODONTOID VIEW: ALSO KNOWN AS PEG'S PROJECTION. IT DEMONSTRATES ATLAS AND AXIS.



CONTRAINDICATIONS



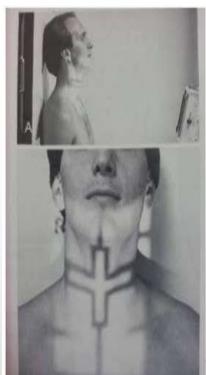


PREPARATION

- COLLECT HISTORY FROM PATIENT.
- PATIENT IS ASKED TO REMOVE ALL RADIOPAQUE MATERIALS.
- WEAR HOSPITAL GOWN.
- IF FEMALE PATIENT COME TO X RAY , CHAPERONE IS NECESSARY.
- SHIELDING IS PROVIDED TO PATIENT.

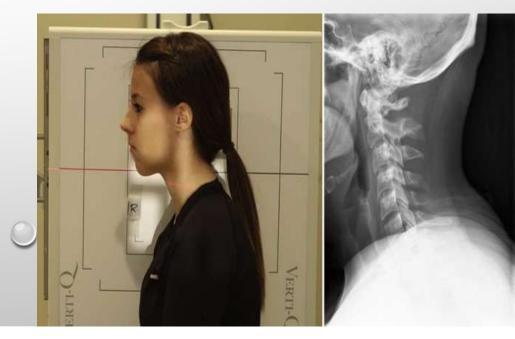
C SPINE AP POSITIONING

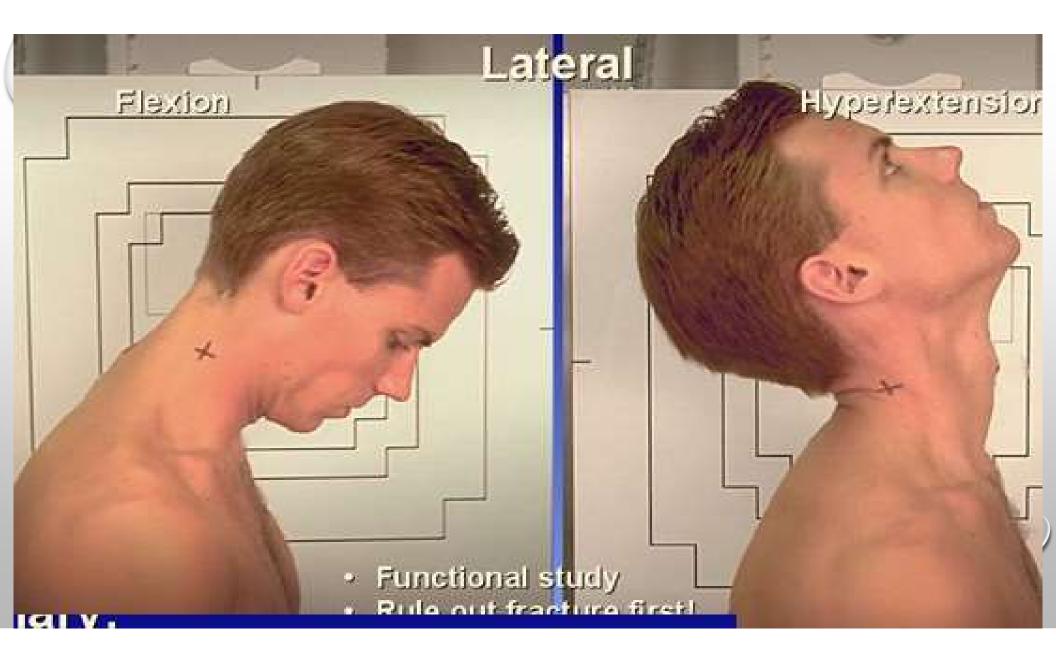
- PATIENT IS STANDING IN FRONT OF CHEST STAND .
- MID SAGGITAL PLANE OF THE PATIENT AT CENTRE OF THE CASSETTE.
- HIS CHIN RAISED UNTIL THE LOWER BORDER OF THE CASSETTE IS 90 DEGREES TO TOP OF THE CASEETTE.
- HEAD IS IMMOBILISED.SIDE IS MARKED . BEAM IS COLLIMATED.



C SPINE LATERAL POSITION.

- PATIENT IS STANDING IN FRONT OF CHEST STAND IN TRUE LATRAL POSITION.
- HIS CHIN IS RAISED UNTIL ANGLE OF MANDIBLE CLEARS OFF CERVICAL VERTEBRAE.
- HOLD SANDBAGS BY HANDS TO AVOIDE SHOULDER SHADOW.
- HEAD IS IMMOBILISED
- .SIDE IS MARKED. BEAM IS COLLIMATED.
- FLEXION :
- **EXTENSION:**







- C SPINE AP : CENTRAL RAY PASSED THROUGH 5 CMS ABOVE THE SUPRASTERNAL NOTCH.
- C SPINE LATERAL : CENTRAL RAY PASSED THROUGH 2.5 CMS POSTERIOR TO ANGLE OF MANDIBLE.

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TECHNIQUE

- 2. MAS : 20
- 3. CASEETTE SIZE : 12" * 10"
- 4. WITH OR WITHOUT GRID
- 5. FSS : LARGE (FOCAL SPOT SIZE)
- 6. FFD: 150 CMS. (FILM FOCAL DISTANCE)
- **7. TUBE ANGLE : 90 DEGREES HORIZONTAL BEAM.**

