

BY

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## **D SPINE X RAY VIEWS.**

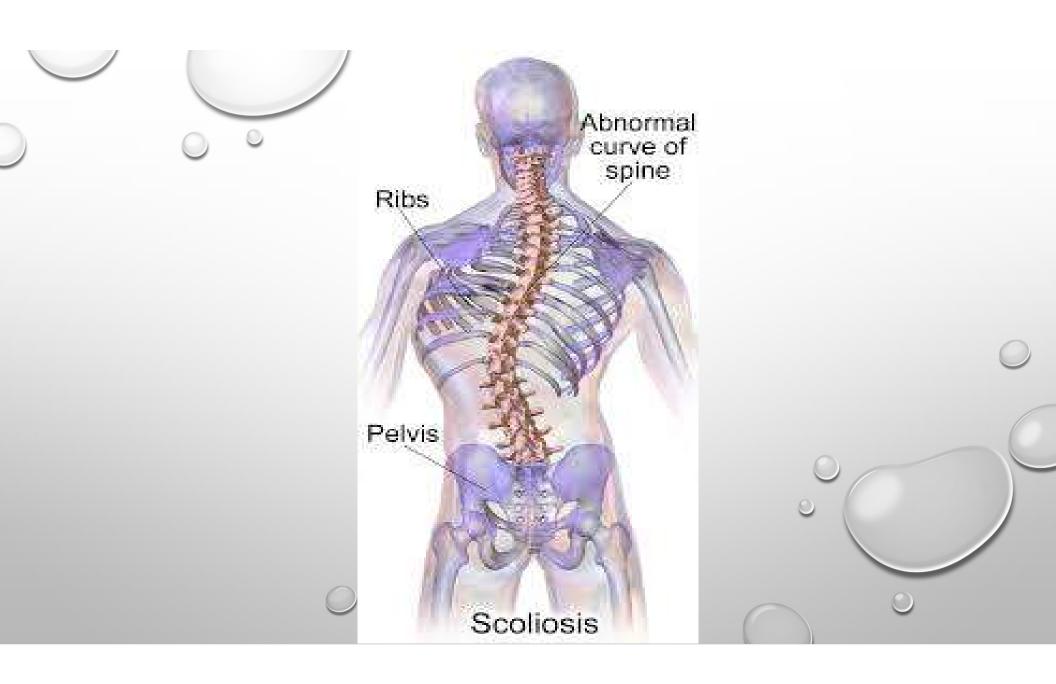
- 1. D SPINE AP VIEW.
  - 2. D SPINE LATERAL VIEW.





#### **INDICATIONS**

- DORSAL REGION PAIN.
- INJURIES AND FRACTURES OF D SPINE.
- TRAUMA CASES- FALL FROM HEIGHTS LIKE TREES, BUILDINGS .
- CONGENTIAL ABNORAMLITIES. LIKE SCOLIOSIS
- OSTEOARTHRITIS.
- DISLOCATION OF BONES.
- PRE AND POST OP CASES.
- TUMOURS OF D SPINE.





### **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 NECESSARAY.
- SHIELDING IS PROVIDED TO PATIENT.



### **CONTRAINDICATIONS**

• PREGNANCY

# **D SPINE AP POSITIONING**

- PATIENT LYING IN SUPINE POSITION ON MIDLINE OF X RAY TABLE WITH ARMS AND HANDS ARE BY SIDE OF THE BODY.
- THE HEAD IS RESTED ON A PILLOW.
- UPPER BORDER OF CASEETTE IS PLACED JUST ABOVE THE SHOULDER.
- PATIENT IS IMMOBILISED.
- SIDE IS MARKED.
- BEAM IS COLLIMATED.







Fig. 6.18b Patient positioning.

- PATIENT LIES IN TRUE LATERAL POSITION ON MID LINE OF X RAY TABLE WITH ARMS RAISED ABOVE THE HEAD.
- IT IS ENSURED THAT THORACIC SPINE IS PARALLEL TO TABLE TOP.
- PATIENT IS IMMOBILISED.
- BEAM IS COLLIMATED.



## **CENTERING**

- D SPINE AP: CENTRAL RAY PASSED THROUGH MIDLINE MIDWAY BETWEEN STERNAL ANGLE AND XIPHOID PROCESS.
- D SPINE LATERAL: CENTRAL RAY PASSED
  THROUGH 2 INCHES ANTERIOR TO SPINOUS
  PROCESS OF 6 TH DOES VERTEBRA.



# **TECHNIQUE**

#### **D SPINE AP**

• KVP: 75

• MAS: 40

• FSS : LARGE

• FFD: 100 CMS

• WITH GRID.

#### **D SPINE LATERAL**

• KVP: 75

• MAS: 40

• FSS: LARGE

• FFD: 100 CMS

• WITH GRID.

• CASEETTE SIZE: 17" X 14" • CASEETTE SIZE: 17" X 14"

