

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered and rendered in a bold, green, sans-serif font.

D SPINE X RAY

BY

MR.S.S.SIVA SAGAR
TEACHING ASSISTANT IN
RADIOLOGY
CENTURIAN UNIVERSITY

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 .**
- **CONGENITAL 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 CASETTE IS PLACED JUST ABOVE THE SHOULDER.
- PATIENT IS IMMOBILISED.
- SIDE IS MARKED.
- BEAM IS COLLIMATED.



D SPINE LATERAL VIEW POSITIONING



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.**
- **CASEETTE SIZE : 17" X 14"**

D SPINE LATERAL

- **KVP : 75**
- **MAS : 40**
- **FSS : LARGE**
- **FFD : 100 CMS**
- **WITH GRID.**
- **CASEETTE SIZE : 17" X 14"**



A black and white portrait of Mahatma Gandhi, showing him from the chest up. He is wearing his characteristic round glasses and has a slight smile. The background is a plain, light color.

**The future depends on what
steps you take today.**

-Mahatma Gandhi