

General Anatomy, Terminology and Positioning Scenarios

1. A pediatric patient was involved in a motor vehicle accident (MVA). They are lying on their stomach, on a cart, with their right side against the upright wall bucky. The CR is entering the left side of the body. Name this position?

Right Ventral Decub

2. A patient is standing with their back against the upright wall bucky, the CR is entering at the level of the 7th thoracic vertebra. Name this projection?

AP (Upright)

3. A patient is lying supine on the xray table and then rotates towards their left side 45°. Their arms are extended above their head, and they are holding their breath. Name this position?

Recumbent LPO

4. A patient begins by lying prone, then rotates their left side away from the table 45° and closes their eyes. Name this position?

Recumbent RAO

5. A patient is lying on their left side, on a cart, with their back against the upright wall bucky. The central ray is entering at approximately the level of the belly button. Name the position and the projection?

Position: Left lateral decub

Projection: AP

6. A patient is standing erect with their chest facing the upright wall bucky. The patient then rotates the right side of the body away from the cassette holder 30°. Name this position?

Erect LAO

7. A patient is lying on their right side, on a cart, with their chest against the upright wall bucky. The central ray is entering at approximately the level of T7. Name the position and the projection?

Position: Right Lateral Decub

Projection: PA

8. A patient is standing with their left side against the upright wall bucky, with their arms raised. The central ray is entering at the level of T7 and Mid Coronal Plane. Name this position?

Upright Left Lateral

9. A patient is lying supine, with the table tilted 20° up at the foot end. What is the name of this position?

Trendelenberg

10. A patient is lying supine, on a cart, with a fractured tibia. Their left side is against the upright wall bucky. The technologists then roll the patient towards the upright wall bucky, so their abdomen is touching the board. The central ray is entering at the level of the iliac crest (in the pelvis). Name the position and projection?

Position: Left Lateral Decub

Projection: PA

11. A patient is lying prone, with the table tilted 20° down at the foot end. They have a catheter and are having trouble breathing. What is the name of this position?

Fowler's

12. A young mother slammed her left hand in a car door while grocery shopping with her children. The physician working in Urgent Care ordered an xray to look for any boney abnormalities. The xray technologist instructs the patient to place the palmar aspect of their hand on an image receptor. The central ray is entering at approximately the level of the third metacarpal. Name this projection? PA

13. An 18 month old baby is suspected of having swallowed a penny. The parents are concerned the coin may be stuck in the child's throat. The physician on duty orders a radiograph of the neck and chest to look for any foreign body. The technologist lays the child on their back on an image receptor and the central ray enters the level of the jugular notch. Name this projection? AP

14. The ED physician orders an xray of a foot. The technologist asks the patient to place the dorsum side of their foot on an image receptor and then rotate their foot 30° medially. The central ray enters the level of the third metatarsal. Name this position and projection.

Position: Medial oblique

Projection: AP

15. A patient is lying supine on a cart, with their left side against the upright wall bucky. The central ray is entering the right side of the body at approximately T7 and Mid Coronal Plane. Name this position and projection?

Position: Dorsal Decub

Projection: Left Lateral