

Solutions

2.1

- Coronal (front/back division).

2.2

- Distal to the hip, proximal to the ankle ✓.

2.3

- Right of image (patient's left displayed on image right; the convention mirrors patient right to image left).

3.1

- The coronal plane separates anterior from posterior.
- Axial images display as viewed from the feet: patient right = image left, applied consistently.
- Side first because it is the single highest-stakes ambiguity; grammar is the safety system (fictional drain-site vignette).

3.2

- Midline sagittal cuts the body into equal right and left halves; midline structures (cord, sternum, aorta) visible in both.
- The canal runs superior-inferior in the sagittal plane's long axis; coronal and transverse cut across it.
- Examples: sagittal = spinal canal; coronal = lungs/kidneys paired; transverse = a cross-section level e.g. C7/T1 disc.