

# CT Elbow

Application Examples: Fracture	
Scan Protocol (See for Technical Factors)	<b>Upper Extremity</b>

**Patient Position:** Place patient in a lateral decubitus position, with affected arm extended above head and hand supinated.

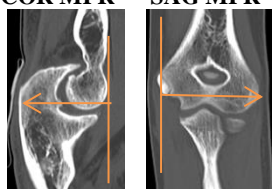
**Scan Instructions:** Select patient position supine feet first.

**Scan Range:** Distal humerus through proximal radius and ulna to include entire fracture.



**2D Reformations:** Align all viewport lines to be orthogonal to elbow and make coronal and sagittal 2x2 MPRs. If patient is unable to place elbow in ideal position, create axial MPR, 2x2mm.

**COR MPR**    **SAG MPR**



**3D:** Upon request.

## Alternative Elbow Position #1 due to limited mobility.

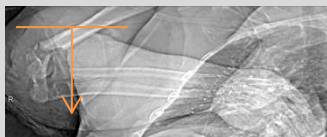
**Patient Position:** Place patient in supine head first position with arm above head.



**Scan Instructions:** Select patient position supine feet first.

## Alternative Elbow Position #2 due to limited mobility.

**Patient Position:** Place patient supine with arm preferably at side (not on abdomen) or on body if patient unable to place by side. Secure with straps and sponges as necessary. Instruct patient there will be a breath hold.



**Scan Instructions:** Select patient position according to patient's actual position—feet first supine. Turn breath hold on. Increase kV to 140.

**2D Reformations:** Align all viewport lines orthogonal to humeral condyles and make coronal sagittal and axial MPR image sets to humerus. Then align all viewport lines orthogonal to radius and ulna. Make coronal, sagittal and axial MPR image sets to radius and ulna.