Radiography Protocols

Upper Limb

Second through Fifth Digits (Standard 3 views)
First Digit (Thumb) (Standard 3 views)
Hand (Standard 3 views)
Wrist (Standard 4 views)
Forearm (Standard 2 views)
Elbow (Standard 4 views)
Humerus (Standard 2 views)
Shoulder (Standard 3 views)
Acromioclavicular Articulation (Standard 2 views)
Clavicle (Standard 2 views)
Scapula (Standard 2 views)

Lower Limb

Toes (Standard 3 views)
Foot (Standard 3 views)
Calcaneus (Standard 2 views)
Ankle (Standard 4 views)
Tib/Fib (Standard 2 projections)
Knee (Standard 4 views)
Femur (Standard 2 projections)
Hip (Standard 2 Projections)
Pelvis (Standard 1 projection)

Vertebral Column

Cervical Spine (Standard 3 views)
Thoracic Spine (Standard 2 projections)
Lumbar Spine (Standard 2 views)
Sacroiliac Joints (Standard 2 projections)
Sacrum (Standard 2 views)
Coccyx (Standard 2 views)
Scoliosis (Standard 1 projection)

Thorax

Routine Chest (Standard 2 projections)
Portable Chest (Standard 1 projection)
Nonroutine Chest Views
Ribs (Standard 2 projections)
Sternum (Standard 2 views)

Sternoclavicular Articulations (Standard 2 projections)

Cranium

Facial Bones (Standard 3 views)

Mandible (Standard 2 projections)

Nasal Bones (Standard 2 projections)

Abdomen

Abdomen (Standard 2 projection)
Upper Limb

Second through Fifth Digits (Standard 3 views)
Views
1. PA
2. Lateral
3. Oblique
Notes: Please separate the finger of interest from other fingers on all views.

First Digit (Thumb) (Standard 3 views)
Views
1. AP
2. Lateral
3. Oblique

Hand (Standard 3 views)
Views
1. PA
2. PA oblique
3. Lateral

Wrist (Standard 4 views)
Views
1. PA
2. Lateral
3. PA external oblique
4. Pisiform oblique

Optional
5. PA ulnar deviation (optional to evaluate for scaphoid fracture)
6. PA axial STRECHER METHOD (optional for carpal bone evaluation)
7. Tangential GAYNOR-HART METHOD (optional for carpal bone evaluation)

Forearm (Standard 2 views)
Views
1. AP
2. Lateral

Elbow (Standard 4 views)
Views
1. AP
2. Lateral
3. AP oblique- medial rotation
4. AP oblique- lateral rotation  
   **Optional**
5. AP partial flexion (optional)

**Humerus (Standard 2 views)**

Views
1. AP
2. Lateral

**Shoulder (Standard 3 views)**

Views
1. AP internal rotation
2. AP external rotation
3. Scapular Y

   **Optional**
4. AP oblique GRASHEY METHOD
5. Inferosuperior axial LAWRENCE METHOD (optional to look for dislocation)
6. Transthoracic lateral LAWRENCE METHOD (optional)

**Acromioclavicular Articulation (Standard 2 views)**

Views
1. AP PEARSON METHOD (with weights)
2. AP PEARSON METHOD (without weights)

Notes: Get both AC joints in field of view.

**Clavicle (Standard 2 views)**

Views
1. AP
2. AP axial

**Scapula (Standard 2 views)**

Views
1. AP
2. Lateral
Lower Limb

Toes (Standard 3 views)
Views
1. AP
2. AP oblique
3. Lateral
Notes: Separate the toe of interest from the other toes

Foot (Standard 3 views)
Views
1. AP or AP axial
2. AP oblique- medial rotation
3. Lateral- mediolateral

Calcaneus (Standard 2 views)
Views
1. Axial- plantar dorsal
2. Lateral

Ankle (Standard 4 views)
Views
1. AP
2. Lateral- mediolateral
3. AP oblique- medial rotation ankle mortise
4. AP oblique- lateral rotation

Optional
5. AP stress studies (optional)

Tib/Fib (Standard 2 projections)
Views
1. AP
2. Lateral

Knee (Standard 4 views)
Views
1. AP
2. Lateral
3. AP oblique
4. Patella sunrise view

Optional
5. Patella: Tangential SETTEGAST METHOD
6. Intercondylar fossa: PA axial HOLMBLAD MEHTOD (optional)
7. Intercondylar fossa: PA axial CAMP-COVENTRY METHOD (optional)
8. Patella: PA (optional)
9. Patella: Lateral- mediolateral (optional)

Femur (Standard 2 projections)
Views
1. AP
2. Lateral

Optional
3. Femoral Neck: AP oblique MODIFIED CLEAVES METHOD (optional)

Hip (Standard 2 Projections)
Views
1. AP
2. Frog Lateral LAUENSTEIN and HICKEY METHODS
   or
3. Axiolateral DANELIUS-MILLER METHOD

Pelvis (Standard 1 projection)
Views
1. AP

Optional
2. Inlet (optional)
3. Outlet (optional)
4. Judet Obliques
Vertebral Column

Cervical Spine (Standard 3 views)
Views
1. Atlas and axis: AP- open mouth
2. AP axial
3. Lateral GRANDY METHOD

Optional
4. Dens: AP FUCHS METHOD (optional)
5. Lateral- SWIMMER'S TECHNIQUE (if needed)
6. Hyperflexion and hyperextension lateral (optional)
7. AP axial oblique- RPO and LPO (optional- of little clinical value)
8. PA axial oblique- RAO and LAO (optional- of little clinical value)
9. Trauma lateral- dorsal decubitus (if trauma)
10. Trauma AP axial oblique (optional)

Thoracic Spine (Standard 2 projections)
Views
1. AP
2. Lateral

Optional
3. Lateral- SWIMMER'S TECHNIQUE (if needed)

Lumbar Spine (Standard 2 views)
Views
1. AP
2. Lateral

Optional
3. L5-S1 Junction: Lateral
4. Hyperflexion and hyperextension lateral (optional)
5. Zygapophyseal Joints: AP oblique- RPO and LPO (optional- of little clinical value)

Sacroiliac Joints (Standard 2 projections)
Views
1. AP axial FERGUSON METHOD
2. AP oblique- RPO AND LPO

Sacrum (Standard 2 views)
Views
1. AP angled
2. Lateral
**Coccyx (Standard 2 views)**
Views
1. AP angled
2. Lateral

**Scoliosis (Standard 1 projection)**
Pasting
AP, PA or lateral FERGUSON METHOD
Thorax

**Routine Chest (Standard 2 projections)**
Views
1. PA
2. Lateral

**Portable Chest (Standard 1 projection)**
View: AP
Note: A PA view should be taken whenever possible as an AP view has significantly less clinical value.

**Nonroutine Chest Views**
Views
1. AP lordotic LINDBLOM METHOD (optional)
2. AP or PA lateral decubitus (optional)
3. Lateral dorsal or ventral decubitus (optional)

**Ribs (Standard 2 projections)**
Views
1. PA or AP upper and lower
2. PA or AP oblique upper and lower

Notes: It is helpful if a BB is placed at the site of pain.

**Sternum (Standard 2 views)**
Views
1. PA oblique- RAO
2. Lateral

**Sternoclavicular Articulations (Standard 2 projections)**
Views
1. PA
2. PA oblique- RAO or LAO BODY ROTATION METHOD
Cranium

Facial Bones (Standard 3 views)
Views
1. Lateral
2. Parietocanthial (WATERS)
3. Acanthoparietal (Reverse WATERS)

Notes: These views have little clinical value.

Mandible (Standard 2 projections)
Views
1. AP Towne
2. Mandible – axiolateral obliques

Nasal Bones (Standard 2 projections)
Views
1. Parietocanthial (WATERS)
2. Lateral (both)
Abdomen

Abdomen (Standard 2 projection)

Views
1. AP- supine (get enough views to get entire abd-pelvis in field of view)
2. AP-Upright (visualized hemidiaphragms; this view is optional if the clinical indication is to evaluate for renal stones)

Optional
3. AP- upright
4. AP- lateral decubitus (optional)
5. Lateral (optional)
6. Lateral- dorsal decubitus (optional)