

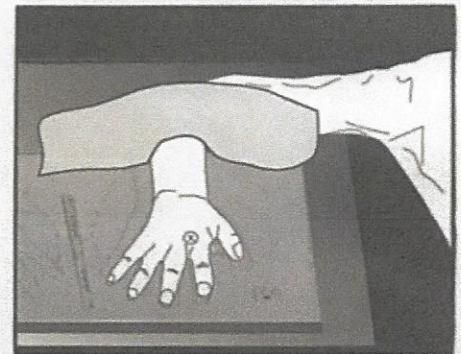


GSK Protocols 201790, 201791, and 209564
Quick Reference Guide for XR Image Acquisition and Data Handling

Hand Radiographs

Positioning and Acquisition

- Place the subject comfortably in a chair next to the table. The surface of the table should be approximately the level of the axilla. Remove all rings and jewelry from hand and wrist.
- Elbow should be flexed approximately 90° with entire forearm flat against x-ray table.
- Center the Syn-X-RA™ on 10"x12" (24x30 cm) cassette and rest one hand on it (right and left hands must be imaged on different films).
- Center hand on the film with the forearm parallel to the long axis of the cassette – make sure the entire wrist is included.
- Position the hand in slight ulnar deviation so that the index finger falls along a straight line through the radius.
- Spread the fingers slightly apart, as shown on the Syn-X-RA™.
- The palm and wrist should be kept firmly in contact with film.
- Position the x-ray tube so that the beam is centered between the 2nd and 3rd MCP's. The central ray should be at 90 degrees to the plane of the film.
- Collimate to the size of the film. SYN-X-RATM ruler should be included in the image-do not collimate it off
- Shield gonads.



Foot Radiographs

Positioning and Acquisition

- The subject must remove socks or nylons.
- Place the subject in the supine position.
- Flex the knee enough to have the plantar surface of the foot flat on the table.
- Position the foot on the Syn-X-RA™ and center the foot on the 10"x12" (24x30 cm) cassette. The long axis of the foot should be parallel to the long axis of the film (right and left feet must be imaged on separate films)
- Tell the subject not to let the knee fall to the side, as this will elevate the medial side of the foot off the film.
- Center the x-ray beam vertically between the 2nd and 3rd MTP joints. The central ray should be angled 5° cephalad.
- Collimate to the size of the film. SYN-X-RATM ruler should be included in the image-do not collimate it off
- Shield gonads.

