

Positioning Guide for Aiding Suspected NAI Skeletal Survey Imaging

Children should be completely undressed at the beginning of the examination. Trunk images should be done first. Distressed children can then be cuddled for comfort during extremities. Upper extremities can be carried out having child sat on a holder's knee next to the table or with holder and baby sat on the table using a big foam pad. Care should be taken to keep the holders fingers out of the light beam.

Chest X-ray - The child should be lying on their back on the table with a 15 degree foam pad under chest. One person should hold arms out to the side and slightly raised, held at the elbow whilst keeping head still. Second person holds lower half still. Large sand bags may be used to immobilise legs (sand displaced).



Oblique Chest X-ray - The child should be lying on their back on the table. A foam pad will be used to support the child's body in an oblique position. One person should hold arms above the elbow out to the side. Lower half held by wrapping legs in a towel and using lead.



Abdomen/pelvis X-ray - Nappy must be removed. The baby should be lying flat on their back on the table with one person holding upper body. Second person should hold the baby's legs, above the knee keeping the baby still and straight.



Lateral Spine X-ray – Nappy must be removed. Foam pads will be used to support the child lying on their side. One person should hold pads securely. Second person should hold arms at the elbow, extending them out and away from the body whilst using one hand to hold babies head. The holder can also squat down to look at the child's face to offer comfort and distraction.



Upper arm X-ray – The child should be lying on their back on the table. One person holds arm out stretched with palm facing up with one hand on upper chest or chin and other hand above the wrist. Second person holds lower half, keeping baby straight and still.



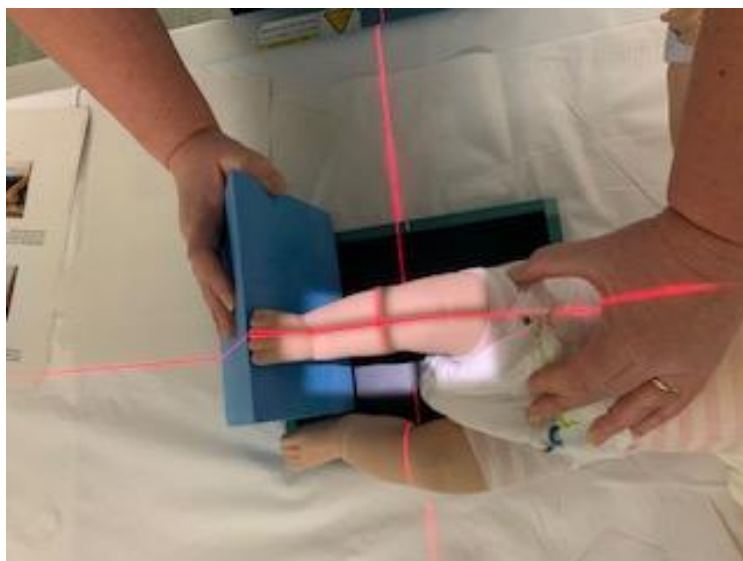
Forearm X-ray – The child should be lying on their back on the table. One holder holds arm out stretched with palm facing up. One hand above the elbow and the other holding babies hand. Second person holds lower half, keeping baby straight and still.



Femur X-ray- Nappy must be removed. Child should be lying on their back on the table. One person should hold the upper body, keeping baby straight and still. Second person should hold the leg below the knee with the other hand above the hip.



Lower leg X-ray- Child should be lying on their back on the table. One holder should hold the top half keeping baby straight and still. Second person should hold above the knee and use a foam pad to hold foot in the vertical position. This allows the ankle to be demonstrated without the holder's fingers.



Lateral knee X-ray – Foam pads will be used to support baby on their side. One person should support the upper body and hold above the knee. The second person should keep the baby still and hold below the knee. It may be necessary to hold the other leg out of the way.



Lateral Ankle X-ray- Foam pads will be used to support baby on their side. One person sits with their head level with child and rotates child towards them giving cuddles and eye contact. Second person holds knee parallel to cassette and places foam pad at foot to achieve desired ankle position. It may be necessary to hold the other leg out of the way.



Feet X-rays – The child should be sitting upright on the large pad. Holder sits behind child to give support/cuddle holding leg at the knee. The second person should be there to support as necessary. The foot should be placed flat on the cassette.



Lateral Elbow X-ray – The child should be sat on holder's knee next to the table or the holder may sit on the table with child leaning against them. Holding the wrist in a lateral position and holding above the elbow



Lateral wrist X-rays - The child should be sitting on the holder's knee or the holder may sit on the table with child leaning against them. Can also be done with the child lying on their back on the table. They should hold below the elbow using 2 foam pads either side of the wrist to achieve a lateral position.



Hand X-rays – The child should be sitting on the holder's knee or the holder may sit on the table with child leaning against them. Arm should be immobilised holding at the elbow and the paddle or a foam pad can be used to keep the hand flat and still on the cassette.

