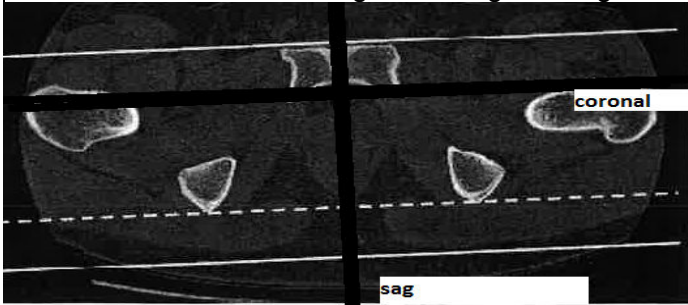


# Bone hip GO UP

|                              |  |                    |           |             |             |             |
|------------------------------|--|--------------------|-----------|-------------|-------------|-------------|
| Indications                  | Pain, swelling, trauma   |                    |           |             |             |             |
| Diagnostic Task              | Detects fractures, hematomas, arthritis, bone cyst                         |                    |           |             |             |             |
| Scan mode                    | Helical  |                    |           |             |             |             |
| Position/Landmark            | Head or feet first-supine-iliac crest                                      |                    |           |             |             |             |
| Topogram                     | AP 110kv 15mA  |                    |           |             |             |             |
| kVp/Reference mass           | 110kv 273mas   |                    |           |             |             |             |
| Rotation time/pitch          | 1.0/0.8  |                    |           |             |             |             |
| Detector Configuration       | 32x0.7   |                    |           |             |             |             |
| Table Speed/Increment        | 17.92  |                    |           |             |             |             |
| Dose reduction               | Care Dose on   |                    |           |             |             |             |
| Allowed CTDI ranges*         | 7mGy-50mGy   |                    |           |             |             |             |
| XR29 Dose Notification value | 50mGy  |                    |           |             |             |             |
| Helical Set                  |  | body               | thickness |             |             | recon       |
|                              | recon  | part               | spacing   | kernel      | window      | destination |
|                              | 1  | thin pelvis        | .8mmx.8mm | Br60        | bone        | pac         |
|                              | 2  | pelvis soft tissue | 2mmx 2mm  | Br40        | soft tissue | pac         |
|                              | 3  | Cor bone           | 2mmx2mm   | Br60        | bone        | pac         |
|                              | 4  | sag bone           | 2mmx2mm   | Br60        | bone        | pac         |
|                              | 5  | Cor ST             | 2mmx2mm   | Br40        | soft tissue | pac         |
| 6                            | Sag ST   | 2mmx2mm            | Br40      | soft tissue | pac         |             |
| Scan Start/end location      | 1cm superior to iliac crest  |                    |           |             |             |             |
|                              | 1cm inferior to lesser trochanters   |                    |           |             |             |             |
|                              | include all of fx and hardware   |                    |           |             |             |             |
| DFOV                         | 25 cm  |                    |           |             |             |             |
|                              | decrease appropriately   |                    |           |             |             |             |
| IV contrast volume/type      | 100ml -isovue 370- if needed for soft tissue infection or mass             |                    |           |             |             |             |
| Scan delay                   | 90seconds-Performed as directed by a the supervising radiologist           |                    |           |             |             |             |
| 3D Technique Used            | do 3d spin with recon 3-if fracture seen                                   |                    |           |             |             |             |
|                              | using axial image for sag and coronal reformats- do sag of hip of interest |                    |           |             |             |             |



### Approximate Values for CTDIvol

| Patient size | weight(kg) | weight(lbs) | CTDIvol(mGy) |
|--------------|------------|-------------|--------------|
| SMALL        | 50-70      | 110-155     | 10-17        |
| AVERAGE      | 70-90      | 155-200     | 15-25        |
| LARGE        | 90-120     | 200-265     | 22-35        |

NOTE\*

\*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.

