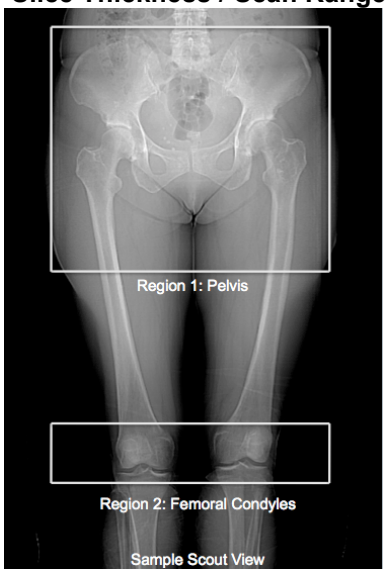
HIPXPERT

CT PROTOCOL

Patient orientation	• Supine, Feet first, Legs parallel in neutral rotation if possible
Slice Thickness / Scan Range  **x, y remain constant**	• There are two scan regions: • Exclude surrounding soft tissues if possible in larger patients. • The width and height (x,y) of both FOVs must be equal, so that the center points have the same x, y coordinates. • **<u>Region 1:</u> The Pelvis:** • Include the whole pelvis and the upper part of the femurs (approximately 20cm below the tip of the greater trochanters). The slice thickness should be 2 to 2.5mm and the interslice distance should also be 2 to 2.5mm • **<u>Region 2:</u> Femoral Condyles:** Please scan 50mm of the **left** and **right** distal femurs *Slice Thickness*: **maximum 5mm**
Image / Pixel Size	• Pixel size **must be the same** for both regions!
Scan Properties	• The primary purpose of the scan is for bone detail. Please note that if the patient has an existing implant, it is imperative that the scanned be performed with sufficient power to allow visualization of the ischium behind the posterior/inferior acetabulum.
Scan Technique	• **Sequential scans:** continuous or overlapping slices with no gaps. • **Helical Scans**: pitch (table:scan ratio) =1:1 recommended. • Slice thickness can be changed during the scan.
Gantry tilt	• No gantry tilt.
Table height	• Must remain the **same** during the scan.
Matrix Size	• Any, recommended squared: **512x512**
Scan direction	• cranial to caudal • caudal to cranial
Storing	• Store **both** scanning sets as **one patient file**.
Uploading Data	• Transfer data to a computer with internet access. This can be done by direct push (dicom to pc applet), by usb drive, or by CD. Highlight dicom images and create a single zip archive that includes all images. Log onto HipXpert.com to securely upload the zip archive. Send email to info@hipxpert.com if you do not already have a username and password for the HipXpert site. See also document at hipsetant.com entitled, “Upload CT’s from a CD..” in FAQ/Download documents section for additional questions.