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MRI (Magnetic Resonance Imaging) - Hip Protocol

Name	Today's Date
Diagnosis	ICD-9 719.85 Hip R / L
Imaging stuc	dies ordered: Hip MRI with femoroacetabular impingement radiographic parameters
Image acquis	1.5-T minimum or 3.0-T preferred magnet strength Surface phased array coil or multiple channel, cardiac coil preferred Small field of view preferable (14 to 16 cm) At least 256 to 320 x 224 to 256 matrix (512 x 512 matrix, if possible) Section thickness 3 to 4 mm Do not perform arthrogram contrast imaging or intravenous contrast imaging
•	Either T2-weighted fat-suppressed coronal or STIR (short-tau inversion recovery) coronal Either T2-weighted fat-suppressed coronal or STIR (short-tau inversion recovery) sagittal Non-fat-suppressed T1-weighted axial Radial imaging: (Please see pages E105 - E110 from attached document for further information - RadioGraphics; 2013; 33:E97-E112; May-June issue) Adds less than 7 minutes to total scanning time No post-processing is needed Axial oblique and coronal localizer images obtained first, and the plane of section is adjusted so that it goes through the edge of the acetabular rim on both localizer images. The resultant en face image, which is obtained in the plane of the acetabular opening, serves as the localizer image on which the radial sections are prescribed. 12 radial images acquired, at half-hour intervals on a clockface Direct acquisition with SPAIR (spectral presaturation attenuated inversion recovery) sequence with proton-density weighting and the following imaging parameters: Matrix, 448×448 In-plane spatial resolution, 3.5 x 3.5 mm² Section thickness, 4 mm Repetition time, 3110 msec Flip angle, 150° Technologist sends the en face image and the radial sections
Position: Sup	pine; Please keep feet and toes turned inward toward each other and taped together, so toes pointing straight up.
Comments: I	Please no intra-articular contrast (arthrogram). Please call Dr Joshua Harris at 713-441-8393 with questions.