

HIP – PROSTHESIS: METAL ARTIFACT SUPPRESSION 1.5T

Body array and loop coil

Revised 10/15

1. SCOUT

Large FOV including entire pelvis from L4

2. COR SE T1

3. COR STIR

Small FOV covering hip

-To decrease metal artifact – Increase bandwidth and matrix as much as possible. Decrease slice thickness

4. Ax T1 SE

5. Ax T2 NO fs thin 3mm skip 0.5 only thru femoral head to femoral neck

6. SAG T2 3 mm skip 0.5 NO fs Ischial tuberosity to pubic symphysis (cover entire femoral stem)

7. Cor T2 3 mm skip 0.5 NO fs Ischial tuberosity to pubic symphysis (cover entire femoral stem)

T1 bandwidth: 31.5

T2 bandwidth: 62

Matrix: 320x320. If not enough signal 288 x 288