**SHOULDER ARTHROGRAM**

1. 3 Pl loc
2. Cor T1 cl fat sat OBLIQUE
3. Sag T2 cl fat sat OBLIQUE
4. Cor T2 cl fat sat OBLIQUE
5. Ax PD cl fat sat OBLIQUE
6. Ax T1 no fat STRAIGHT
7. ABER 3 pl loc Arm over head
8. ABER Sag T1 cl fat sat

**Set up off of Coronal Loc**

- If patient is unable to raise arm, copy GRx of Ax PD fat and have patient externally rotate arm
- Axial to humerus, GRx on coronal from 3 pl loc
- Cor PD cl fat sat
- Cor T1 cl fat sat
- Sag PD cl fat sat
- Sag T1 cl fat sat
- Sag T2 cl fat sat
- Sag T1 cl fat sat
- Sag 3d SPGR IDEAL

**OBLIQUE CORONAL**

1. 3 Pl loc
2. Ax cal scan
3. Cor T1 cl fat sat 4/0.4 20 FOV
4. Cor T2 cl fat sat 4/0.4 20 FOV
5. Sag PD cl fat sat 4/0.4 18 FOV
6. OBLIQUE Ax T1 cl fat 4/0.4 18 FOV GRx on cor, parallel to fem neck
7. Ax T1 no fat sat 4/0.4 18 FOV Axial through lesser trochanter
8. Ax T2 cl fat sat 4/0.4 18 FOV Axial through lesser trochanter
9. Sag 3d SPGR IDEAL

**KNEE ARTHROGRAM**

1. 3 Pl loc
2. Ax T2 cl fat sat–4 slices above patella through tib/fib joint
3. Cor T1 cl fat sat—Popliteal Artery through patella
4. Sag PD–Include all bone through ligaments
5. Sag T2 cl fat sat
6. Sag T1 cl fat sat

**ANKLE ARTHROGRAM**

1. 3 Pl loc
2. Ax T1 cl fat sat 3/1 14 FOV
3. Cor T1 cl fat sat 3/1 14 FOV
4. Cor T2 cl fat sat 3/1 14 FOV
5. Cor T1 cl fat sat 3/1 14 FOV
6. Cor PD cl fat sat 3/1 14 FOV
7. Sag T1 no fat sat 3/0.5 9 FOV
8. Sag T2 cl fat sat 2/0.2 10 FOV
9. Sag T1 no fat sat 2/0.2 10 FOV

**WRIST ARTHROGRAM**

1. 3 Pl loc Midline
2. 3T only—Cor PD Cube Fat (60 slices) 1/0 14 FOV
3. Cor T1 cl fat sat 3/0.5 10 FOV
4. Cor T2 cl fat sat 3/0.5 10 FOV
5. Cor T1 cl fat sat 3/0.5 10 FOV
6. Cor T2 cl fat sat 3/0.5 10 FOV
7. Sag T1 no fat sat 3/0.5 10 FOV

**ELBOW ARTHROGRAM**

1. 3 Pl loc
2. Ax T1 cl fat sat
3. Ax T2 cl fat sat
4. Sag T1
5. Cor T1 cl fat sat
6. Cor PD cl fat sat
7. Cor (parallel) to distal humerus on an axial image

**SAGITTAL PLANE**

**TMJ: TEMPOROMANDIBULAR JOINTS (UH, RP @ 1SP ONLY)**

1. 3 Pl Loc
2. Ax CAL
3. Ax T1 Quick localizer

**TMJ BITES in back left cabinet next to breast biopsy supplies**

**OBLIQUE CORONAL**

1. 3 Pl loc
2. Ax cal scan
3. Cor T1 cl fat sat 4/0.4 20 FOV
4. Cor T2 cl fat sat 4/0.4 20 FOV
5. Sag PD cl fat sat 4/0.4 18 FOV
6. OBLIQUE Ax T1 cl fat 4/0.4 18 FOV GRx on cor, parallel to fem neck
7. Ax T1 no fat sat 4/0.4 18 FOV Axial through lesser trochanter
8. Ax T2 cl fat sat 4/0.4 18 FOV Axial through lesser trochanter
9. Sag 3d SPGR IDEAL

**OBLIQUE AXIAL**

1. 3 Pl loc
2. Ax T2 cl fat sat
3. Cor T1 cl fat sat
4. Sag T1 cl fat sat
5. Sag T2 cl fat sat
6. Sag T1 cl fat sat

**KNEE ARTHROGRAM**

1. 3 Pl loc
2. Ax T2 cl fat sat–4 slices above patella through tib/fib joint
3. Cor T1 cl fat sat—Popliteal Artery through patella
4. Sag PD–Include all bone through ligaments
5. Sag T2 cl fat sat
6. Sag T1 cl fat sat

**ANKLE ARTHROGRAM**

1. 3 Pl loc
2. Ax T1 cl fat sat 3/1 14 FOV
3. Sag T1 cl fat sat 3/0.5 9 FOV
4. Sag T2 cl fat sat 3/0.5 9 FOV
5. Cor T1 cl fat sat 3/0.5 9 FOV
6. Cor PD cl fat sat 3/0.5 9 FOV
7. Sag T1 no fat sat 3/0.5 9 FOV
8. Sag T2 cl fat sat 2/0.2 10 FOV
9. Sag T1 no fat sat 2/0.2 10 FOV

**WRIST ARTHROGRAM**

1. 3 Pl loc Midline
2. 3T only—Cor PD Cube Fat (60 slices) 1/0 14 FOV
3. Cor T1 cl fat sat 3/0.5 10 FOV
4. Cor T2 cl fat sat 3/0.5 10 FOV
5. Cor T1 cl fat sat 3/0.5 10 FOV
6. Cor PD cl fat sat 3/0.5 10 FOV
7. Sag T1 no fat sat 3/0.5 10 FOV
8. Sag T2 cl fat sat 2/0.2 10 FOV
9. Sag T1 no fat sat 2/0.2 10 FOV

**ELBOW ARTHROGRAM**

1. 3 Pl loc
2. Ax T1 cl fat sat
3. Ax T2 cl fat sat
4. Sag T1
5. Cor T1 cl fat sat
6. Cor PD cl fat sat
7. Cor (parallel) to distal humerus on an axial image

**SAGITTAL PLANE**

**CORONAL PLANE**

1. 3 Pl Loc
2. Ax CAL
3. Ax T1 Quick localizer

**CLOSED JAW**

- Sagittal: MEDIAL OBL 20°-30° off Sagittal plane
- Sagittal: PARALLEL to condyles

**Wrist**

- Sag PD OBL 3/0.2 9 slices

**Coil:**

- 8HRBRN
Shoulder Arthogram Set Up:

Obl Cor: perpendicular to glenohumeral joint
Obl Sag: parallel to joint

Set up Obl Ax off of "Tear Drop" on Sag series

Obl Axial Looks like this

Set up Aber View off of Coronal Loc
Perpendicular through Joint

Aber view should look like this!!
Hip Arthrogram Set up:

Cor Set up: try to keep femoral head in center of FOV. For larger patients shift lateral so wrap doesn’t go into ROI. Increase FOV if necessary.

Obl Ax set up parallel to femoral neck

Obl Ax: Image may flip due to angle

Ensure straight axials are through the lesser trochanter

Lesser Trochanter

Straight Axial

Sagittal Coverage
**TMJ Set Up:** Prior to test have patient open TMJ device to their max comfort. Have resting on patient’s chest during the exam.

**TMJ Coronal:**

**TMJ Sagittal:**

Have patient open the TMJ device. Instruct them to not move their head.
Ankle Arthrogram:

**Mortise Sagittal**

Angle parallel to the talus bone (will also end up being parallel to the calcaneus.)

Cover skin to skin

**Mortise Coronal:**

Angle Perpendicular to the talus bone (Will also end up being perpendicular to the calcaneus)

Cover entire calcaneus to metatarsals