Images to obtain during MSK arthrograms

- **Shoulder**
  - Pre-injection spot
    - AP of the shoulder in external rotation right before injection
  - Post-injection
    - Internal rotation
    - External rotation
    - Y-view

- **Elbow**
  - Pre-injection (full exposure – not spot)
    - AP fully extended
  - Post-injection
    - AP fully extended
    - Lateral with elbow bent 90 degrees

- **Wrist**
  - Pre-injection (full exposure – not spot)
    - AP wrist with hand flat and fingers extended (full exposure, not spot)
  - During injection, obtain images immediately before injection and then 4x per second during the injection. This is the most technically demanding arthrogram and the arthrogram when the Fluoro images are most likely to contribute to the diagnosis. If the Fluoro machine doesn’t have 4x per second then manual rapid fire during the injection.
  - Post-injection
    - AP wrist with hand flat and fingers extended
    - AP wrist clenched fist view
    - AP wrist with radial deviation
    - AP wrist with ulnar deviation
    - Lateral

- **Hip**
  - Pre-injection spot
    - AP with the foot internally rotated
  - Post injection
    - AP with foot internally rotated
    - Frog leg lateral
• Knee
  o Pre-injection spot
    ▪ AP with leg extended
  o Post-injection
    ▪ AP with leg extended
    ▪ Lateral with leg extended

• Ankle
  o Pre-injection spots
    ▪ AP with foot in neutral position (not flexed or extended)
    ▪ Lateral in neutral position
  o Post-injection
    ▪ AP in neutral position
    ▪ Lateral in neutral position
    ▪ Oblique in neutral position

Reviewed March 1, 2018