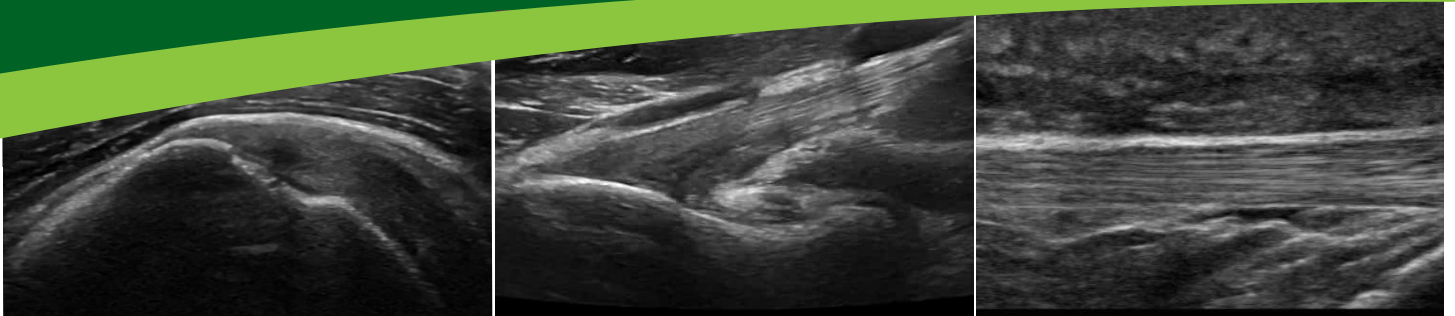


Musculoskeletal Ultrasound Exams Reference Guide



Introduction

This reference guide includes standard musculoskeletal ultrasound exams performed in ultrasound.

If the exam is ordered for a mass and the concern is for a lipoma, cyst, superficial mass or abscess, request a soft tissue ultrasound.

The information provided in this guide is not intended to be all inclusive.

Clinical judgment in an individual case may influence the choice of imaging modality.

If you have any questions about musculoskeletal ultrasound exams,
call Bronson Imaging at **(269) 341-8380**.

For ordering and scheduling musculoskeletal ultrasound exams, see page 4.

Ultrasound (US) of the Shoulder

- Evaluate for injury/tendinopathy of the rotator cuff tendons
- Evaluate for partial or complete tear of the proximal biceps tendon
- Evaluate for calcium deposition within the rotator cuff tendons
- Evaluate for a joint effusion of the AC joint and/or glenohumeral joint
- Evaluate for muscle atrophy (diagnostic results can be limited)
- Evaluate for subacromial impingement
- Evaluate the rotator cuff in a post-operative patient
- Evaluate the labrum and cartilage (limited views will be able to be obtained)

Ultrasound (US) of the Elbow

Joint

- Evaluate for a joint effusion

Anterior

- Evaluate the distal biceps tendon for partial or complete tear
- Evaluate for compression of the median nerve around the elbow

Medial

- Evaluate for injury/tendinopathy of the common flexor tendon
- Evaluate the integrity of the medial collateral ligament

Lateral

- Evaluate for injury/tendinopathy of the common extensor tendon
- Evaluate the integrity of the lateral collateral ligamentous complex
- Evaluate for compression of the radial nerve

Posterior

- Evaluate for injury/tendinopathy of the triceps tendon
- Evaluate the ulnar nerve for compression and/or subluxation

Ultrasound (US) of the Hand & Wrist

RA Exam

- Evaluate for subtle signs of inflammatory arthritis
-

Volar

- Assess the wrist joints for effusions, synovitis, bony erosions, and/or cortical irregularity
 - Evaluate the carpal tunnel for compression of the median nerve
 - Evaluate the integrity of the flexor tendons (specify which digit is of concern)
 - Evaluate the integrity of the pulleys (specify which digit is of concern)
 - Evaluate the volar plate for integrity, tears, and/or degeneration (specify which digit is of concern)
 - Evaluate Guyon's canal for compression of the ulnar nerve
-

Dorsal

- Assess the wrist joints for effusions, synovitis, bony erosions, and/or cortical irregularity
 - Evaluate the compartments for synovial hypertrophy and/or tenosynovitis
 - Evaluate the integrity of the extensor tendons (specify which compartment is of concern)
-

Ultrasound (US) of the Hip & Thigh

Anterior

- Assess the joint for an anterior hip effusion or synovitis
 - Assess the adductor muscles for injury
 - Evaluate for injury/tendinopathy of the iliopsoas tendon
 - Evaluate the iliopsoas bursa for signs of bursitis
-

Lateral

- Evaluate for tendinosis of the gluteal tendons at the insertion of the greater trochanter
 - Assess for defects of the iliotibial band
-

Posterior

- Evaluate the hamstring tendons for tendinopathy and/or partial or full-thickness tear
 - Evaluate the hamstring muscles for strains
 - Evaluate for enlargement of the sciatic nerve
-

Ultrasound (US) of the Knee

Joint

- Evaluate for joint effusion, bursitis, and/or edema
-

Anterior

- Evaluate for injury/tendinopathy of the quadriceps tendon
 - Evaluate for injury/tendinopathy of the patellar tendon
-

Medial

- Evaluate the integrity of the medial collateral ligament and the pes anserine tendons
 - Evaluate the medial meniscus for a tear (limited views will be able to be obtained)
-

Lateral

- Evaluate the integrity of the lateral collateral ligament, iliotibial band, and the biceps femoris tendon
- Evaluate the lateral meniscus for a tear (limited views will be able to be obtained)

Ultrasound (US) of the Calf

- Evaluate the medial gastrocnemius muscle for partial or complete tear
- Evaluate the lateral gastrocnemius muscle for partial or complete tear
- Evaluate the soleus muscle for partial or complete tear
- Evaluate the plantaris tendon for partial or complete tear

Ultrasound (US) of the Ankle

Anterior

- Evaluate for a joint effusion and/or synovitis
- Evaluate the integrity of the anterior talofibular ligament
- Evaluate the integrity of the anterior tibiofibular ligament
- Evaluate the anterior tibialis tendon and extensor tendons for partial or complete tear

Lateral

- Evaluate for tendinopathy and partial or full-thickness tears of the peroneal tendons
- Evaluate the integrity of the calcaneofibular ligament

Medial

- Evaluate for tendinopathy and partial or full-thickness tears of the posterior tibial tendon, flexor digitorum longus tendon, and the flexor hallucis longus tendon
- Evaluate the integrity of the deltoid ligament

Posterior

- Evaluate the Achilles tendon for tendinosis and partial or full-thickness tears

Ultrasound (US) of the Foot

- Evaluate the symptomatic joint(s) for joint effusion, synovitis, ganglion cysts, or cortical irregularity
- Evaluate the plantar fascia for plantar fasciitis
- Evaluate a palpable mass for a plantar fibroma
- Evaluate the intertarsal spaces for a Morton's neuroma
- Evaluate the plantar plate for integrity, tears, and/or degeneration

Placing Musculoskeletal Ultrasound Exam Orders

To refer a patient for a musculoskeletal ultrasound and to ensure accuracy on the orders:

Bronson medical staff providers: place your orders through Epic and choose an ultrasound order that includes "US MSK" in the procedure name.

Providers who do not have access to Epic: complete the "Bronson Diagnostics and Ultrasound Outpatient Order Form" available at bronsonhealth.com/referral. Specify on the order that it is a "MSK exam".

Fax orders to: **(269) 343-4277**.

Scheduling Patient Appointments

Musculoskeletal ultrasound exams are available at Bronson imaging locations throughout Calhoun, Kalamazoo and Van Buren Counties. To schedule appointments for your patients, call: **(269) 341-8700** or **(888) 741-6415**.

If you have any questions about ordering musculoskeletal ultrasound exams, call Bronson Imaging at **(269) 341-8380**.