A longitudinal curriculum will provide residents a consistent improvement in learning and practicing MSKUS throughout their residency training. Residents will evaluate and treat musculoskeletal related injuries under the supervision of a sports medicine trained attending physician. Residents will be expected to review medical literature related to their patients’ musculoskeletal injuries as a part of self-directed learning. The residency program provides resources for this curriculum and additional self-directed learning. At the end of this longitudinal rotation, all residents will be able to:

- Demonstrate knowledge of the common musculoskeletal injuries and somatic dysfunction in the primary care setting.
- Initiate MSKUS treatment plans using guided injections when appropriate with the support of a senior resident or attending.
- Demonstrate a basic clinical knowledge of common musculoskeletal injuries of the shoulder, elbow, wrist/hand, hip, knee, and ankle/foot.
- Independently develop a broad differential diagnosis (based off of physical exam) for presenting symptoms of musculoskeletal injuries and somatic dysfunctions.
- Demonstrate capacity to assess and act on personal learning needs and identify areas in MSKUS exam/treatment skills that need improvement.
- Determine when diagnostic testing is appropriate as part of the musculoskeletal exam.
- Synthesize information from multiple resources to make clinical decisions.

Lecture Topics

- Ultrasound Physiology and Knobology (2 Part Series)
- Knee Ultrasound and Pathology
- Knee Injections under Ultrasound Guidance
- Shoulder Ultrasound and Pathology
- Shoulder Injections under Ultrasound Guidance
- Ultrasound for the hand, wrist, and elbow
- Ultrasound of the leg, ankle, and foot
- Ultrasound Guided Injection Protocols
- Rotator Cuff Pathology