

About Inland Imaging

Inland Imaging provides state-of-art-technology to capture diagnostic images analyzed by board-certified and trained radiologists. Our goal is to provide you, the referring physician, with critical medical imaging information to confirm a diagnosis or to rule out injury and disease on behalf of your patient.

By choosing Inland Imaging, you will have access to our team of physicians and staff for consultation and followup.

Rapid, electronic report turnaround enables you to prescribe a responsive and timely course of treatment for your patient.

We value the trust that you have placed in us and are pleased to answer any questions you have at any time.

Scheduling

509.455.4455

Locations

Inland Imaging at Sacred Heart Doctors Building

105 West 8th Avenue, Suite 100C & 125C
Spokane, WA 99202

Inland Imaging at Holy Family

5715 North Lidgerwood
Spokane, WA 99207

Inland Imaging South Center

525 South Cowley
Spokane, WA 99202

Inland Imaging Valley Center

12420 East Mission
Spokane, WA 99216

Inland Imaging Deer Park

702 South Park Avenue, Suite B
Deer Park, WA 99006



MUSCULOSKELETAL
IMAGING

*Imaging the Bones, Joints
& Muscles*

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Inland Imaging[®]

Making a difference in people's lives.

An Overview of Musculoskeletal Imaging

The likelihood of injury or pain increases with repetitive activity, athletic competition, or exercise. With an injury such as a visible dislocation or a broken bone, it's likely to be obvious that you need medical attention.

Other injuries, however, may be less clear and will require more investigation to evaluate and confirm a diagnosis. In both cases, medical imaging can be a powerful tool for your healthcare provider to determine treatment options.

The musculoskeletal system, which includes bones, joints and muscles, can be imaged with a variety of different radiological techniques. Many of the modalities provide similar information, yet for each particular patient condition there is often one imaging modality which will provide the most useful information.

This brochure deals specifically with the uses of MRI, CT, x-ray, nuclear medicine, ultrasound and arthrography in the imaging of the musculoskeletal system. Inland Imaging physicians and staff are dedicated to providing the highest quality imaging for musculoskeletal disease. Our board-certified musculoskeletal radiologists frequently consult directly with other clinical specialists to provide the most accurate diagnosis possible. They are also available to help your physician decide which modality is best for imaging your particular concern.

Magnetic Resonance Imaging (MRI)

Magnetic resonance imaging (MRI) plays an integral role in the diagnosis and treatment of musculoskeletal disorders without radiation. Even after a thorough physical examination by an expert, it is often difficult to precisely diagnose a soft tissue or joint injury. MRI accurately depicts soft tissue injuries such as muscle, ligament and meniscal tears, as well as cartilage and bone injuries. This preoperative knowledge allows physicians to formulate the best treatment plan for each patient. In many cases, MRI documents non-surgical injuries, such as rotator cuff tendonitis and bone bruises, sparing the patient surgery and ensuring they receive the appropriate treatment



faster and more cost effectively. Because MRI detects subtle bone marrow edema and architectural disturbances of the soft tissues, it is also the imaging modality of choice in the diagnosis of many other joint and bone disorders, such as bone and soft tissue tumors, infection, and avascular necrosis of bone.

Computed Tomography (CT)

Computed Tomography (CT) is also very useful in the diagnosis and followup of many musculoskeletal disorders, particularly those pertaining to bone, such as fractures that cannot be seen on x-ray, healing fractures and bone tumors. With both MRI and CT, the patient lies on a table while a scanner takes images of the affected body part. State-of-the-art multislice computed tomography (MSCT) allows reconstruction of images in multiple planes as well as 3-D imaging.



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MUSCULOSKELETAL IMAGING

X-Ray Imaging

X-ray imaging is perhaps the most familiar type of musculoskeletal imaging. Its most common use is in evaluating possible fractures but it is also used for evaluation of arthritis or bone tumors.

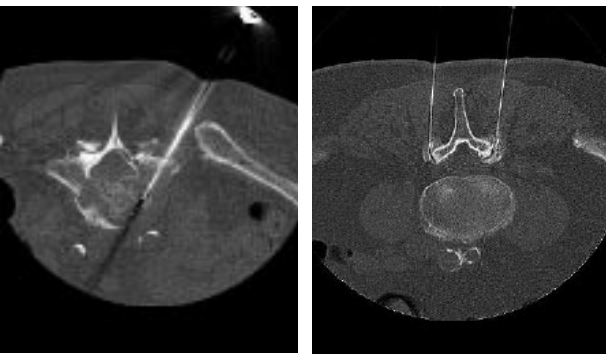
Nuclear Imaging

Nuclear imaging is often used in patients with musculoskeletal pain and non-specific x-ray images to determine whether or not a bony abnormality is the source of the patient's pain. Also, this study is used often to diagnose the spread of cancer. The patient is given an injection and then returns to the imaging center three hours later and lies on the scanner table for about 20 minutes while images of the affected area are acquired.

Ultrasound

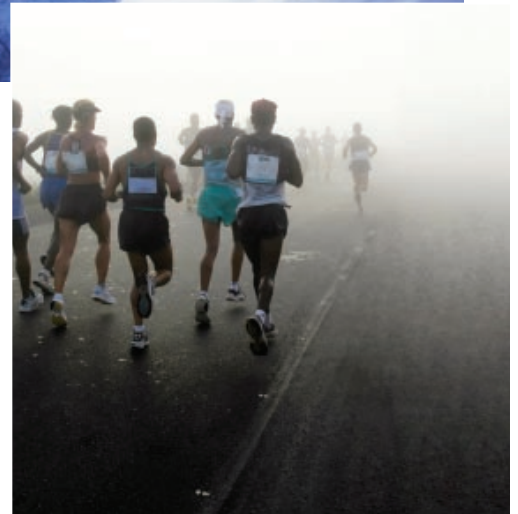
Ultrasound is useful in evaluating soft tissue abnormalities, such as masses, tendon or muscle injuries, and the hips of infants suspected of having congenital hip dysplasia. It is most commonly used in the evaluation of rotator cuff injuries. Ultrasound images are obtained using a wand which is guided across the skin surface over the affected area.

CT also provides precise guidance during percutaneous diagnostic bone biopsies, as well as therapeutic pain management injections.



Treatments

There are also a variety of needle procedures performed by radiologists to diagnose and treat musculoskeletal disorders. These include therapeutic as well as diagnostic joint aspirations and injections, bone and soft tissue biopsies, facet and epidural steroid injections and discograms.



Ask Your Doctor

Diagnostic imaging plays a very important role in providing you and your physician with the information you will need to make key decisions about your health. Inland Imaging is constantly investing in the latest musculoskeletal imaging technology to provide patients with access to the highest quality services. Several musculoskeletal imaging modalities have been discussed in this brochure. We encourage you to talk to your doctor about which modality may be best for you.