

3T MRI

Physician Benefits

- ⇒ Clearer images. Superb fat saturation across the entire field-of-view, allowing for a quality diagnostic scan every time, remaining unsurpassed in image clarity and detail.
- ⇒ Greater detail, with superb imaging of ligaments to assess the stability of joints and superior trabecular bone detail and cartilage imaging.
- ⇒ Even with larger field of views for abdomens and pelvis, the signal stays strong creating a more homogeneous image.
- ⇒ 3T captures smaller views (as thin as 1mm) and higher definition, thus a more definitive diagnoses on the most complex cases.
- ⇒ 3T MR arthrograms can detect smaller abnormalities of the shoulder and other joints than lower field strength MRs.
- ⇒ 3T can detect serious injuries in the joints that other MRIs may miss. 3T can even show bleeding that occurs with fractures.
- ⇒ The 3T delivers the most comprehensive applications in the industry, providing unprecedented diagnostic assessment of anatomy, morphology, physiology and function.
- ⇒ Increased resolution provides previously unseen detail for musculoskeletal imaging. Bone structure, cartilage, and tendons and ligaments can be clearly visualized and pathology more easily detected due to its increased image quality.
- ⇒ 3T MRI is one of the most sensitive method for detection of bone infections.



3T & the Spine

3T MRI can be especially decisive with the following:

Degenerative disease

- Herniated intervertebral discs
- Spinal stenosis
- Spondylosis
- Postoperative spine
- evaluations

Spinal cord disease

- Benign and malignant neoplasms (primary or metastatic)
- Multiple sclerosis
- Cord syrinx
- Transverse myelitis

Trauma

- Evaluation for ligamentous injury in spine trauma
- Evaluation for compression fractures of the spine.

Patient Benefits

- Cost for 3T is the same as any other MRI.
- No contrast is needed for most angio studies.
- Fewer retakes.
- Shorter exam times.
- Spacious opening to help reduce anxiety.
- Built-in intercom allows patients to speak with technologists at any time.

