



Imaging Services



Lakes Regional
Healthcare

An Avera Partner

Lakes Regional Healthcare Avera has invested in a wide range of sophisticated diagnostic imaging technologies to provide faster, more accurate exams for nearly any health care need.

The physicians and staff at Lakes Regional Healthcare Avera are here for you in times of emergency, but they are also here to help you maintain and improve your health and well-being.



At Lakes Regional Healthcare, an Avera Partner, the physicians and staff strive to provide a comfortable atmosphere, expert care and advanced imaging systems. The Imaging Services Department is dedicated to identifying structural and functional abnormalities throughout the body. State-of-the-art technology helps diagnose various conditions, including osteoporosis, tumors, breast cancers, infections and sports-related injuries.

Bone density scan (DEXA)

A bone density scan is a non-invasive test to detect osteoporosis. It measures the amount of bone in the major weight-bearing areas of the body, such as the lumbar spine, the hip, the forearm and/or the heel. This helps to detect the early stages of osteoporosis.

CT scan

Computer tomography is used to visualize certain regions of your body using cross-sectional images. CT scanning combines special X-ray equipment with sophisticated computers to produce multiple images or pictures of the inside of the body. CT scans of internal organs, bone, soft tissue and blood vessels provide greater clarity and reveal more details than regular X-ray exams, and are used to diagnose problems, such as cancers, infectious disease, trauma and musculoskeletal disorders.

Digital mammography

Mammography uses a low-dose X-ray to produce an image of the breast.

Mammograms, in conjunction with monthly self-breast exams and a clinical breast exam by a trained provider, are the best screening tools available today for detecting breast cancer. With digital mammography, X-rays are converted into electric signals that produce breast images to be viewed on a computer screen. Digital mammograms have been shown to reduce radiation dose and provide shorter exams with faster results.

Fluoroscopy

Fluoroscopy is a type of medical imaging that shows a continuous X-ray image on a monitor, much like an X-ray movie. It is used to diagnose or treat patients by displaying the movement of a body part or of an instrument or dye (contrast agent) through the body. Fluoroscopy is used in many types of exams, such as catheter insertion, GI tract procedures, blood flow studies and pain management procedures.

Interventional pain management

Image-guided interventional procedures help treat and manage pain. These procedures involve an injection of an anesthetic medicine and/or steroid around nerves, tendons, joints or muscles. Image-guided pain management procedures may help patients that have discomfort caused by a number of conditions or disorders, such as chronic lower back and neck pain, post-surgical pain, post-traumatic pain syndrome and muscle, joint and/or bone pain.

The procedure may help patients reduce the amount of time pain is experienced and its severity, allow for an increase in home and work activities, overcome isolation, learn new skills for coping with pain, rehabilitate and improve their quality of life.

MRI

Magnetic resonance imaging uses a powerful magnet, radio waves and a computer to produce remarkably clear pictures of your head, spine or other parts of your body. An MRI typically is used to find problems such as tumors, bleeding, infection and injury. Lakes Regional Healthcare Avera's in-house MRI has a wider opening and an ultra-short tunnel that provides more comfortable exams and allows more patients to be scanned with their head outside of the system.

3D/4D ultrasound

Ultrasound is used to capture diagnostic images of organs and structures inside the body, including the abdominal and pelvic organs, carotid arteries, veins, pregnant uterus and fetus. In conventional 2D ultrasound scanning, the image is made up of a series of thin images, also known as slices; only one slice can be seen at any one time.

With 3D ultrasound scanning, a volume of slides are taken, stored digitally and shaded to produce lifelike pictures of the fetus. 4D images are 3D images that are live, moving pictures that show the baby moving in real time inside the womb. Lake Regional Healthcare Avera routinely provides 3D/4D ultrasounds to pregnant patients with their 2D diagnostic ultrasound examination if conditions are right.

The Imaging Services Department staff at Lakes Regional Healthcare Avera is available day and night. All radiologists are board certified and all technologists have completed specialty training and are registered by the American Registration of Radiologic Technologists.

**Imaging exams can be scheduled
Monday through Friday, 8 a.m. to 4 p.m.
To schedule an exam,
please call 712-336-8658.**

Your next appointment is:

Date: _____

Time: _____



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LakesHealth.org