

Digital X-ray

Digital X-ray Exams at Premier Imaging

Diagnostic x-rays are useful in detecting abnormalities within the body. They are a painless, non-invasive way to help diagnose problems such as broken bones, tumors, dental decay, and the presence of foreign bodies.

The digital x-ray technology used by Premier Imaging allows for more accuracy in viewing than the plain film x-rays of the past. These high-resolution x-ray images are formatted digitally into Premier Imaging's network computer system, allowing for expedient review and convenient retrieval by Premier Imaging radiologists and approved health care providers. Premier Imaging cooperates within a computer network system called EMR (Electronic Medical Records) providing patients with high quality, expedient and coordinated care among the approved health care professionals.

What to Expect During Your X-ray Exam

A registered, trained x-ray technologist performs the x-ray exam. The individual is first asked to remove clothing and jewelry and, in some cases, to wear a hospital gown. The x-ray technologist positions the patient appropriately, so that the part of the body to be x-rayed will be between the x-ray beam and the film plate. Usually the individual either lies on an adjustable table or stands. Parts of the body might be shielded with a lead apron. Lead protects the body by stopping x-rays.

It is important to remain motionless during the x-ray, since movement causes the resulting picture to be blurry. Sometimes patients are asked to hold their breath during the procedure. Children who are not old enough to follow directions or who cannot stay still may need to be assisted in some way in order to keep them still enough to obtain useful results. If a contrast material is to be used, the individual will be given special instructions to prepare for the procedure and may be asked to remain afterwards until recovery is complete.