



## **MRE**

Magnetic Resonance Imaging (MRI) produces images of the body's internal structures by passing radio waves through a powerful magnetic field. Differing frequencies of radio waves are produced by the different body structures, in return, these are mapped and converted into digital images by a computer. MRI is especially good for imaging soft tissues in the body, including the brain, nerves, muscles and organs.

Magnetic resonance (MR) enterography is an imaging test which produces detailed pictures of your small intestine. It may help your doctor diagnose inflammation, bleeding, obstructions and other problems. It is noninvasive and does not use ionizing radiation.

### **What to Expect**

The study requires drinking 1350 ml of Volumen (CT contrast) over a one hour period. You will be lying on your back on a movable table that slides into the center of the MRI machine. The technologist may use straps or bolsters to help you stay still and maintain proper positioning during the examination. He or she may place a device called a coil around the part of the body being studied. This device sends and receives the radio waves which are used to generate the image.

MRI equipment is placed over the abdomen and pelvis. The technologist will give the patient instructions of when to hold their breath and after several sets of images are taken, the tech will bring the patient out and start an IV. Glucagen is administered through an IV to decrease bowel motion. The last images will be taken following the IV introduction of Gadolinium, an MRI contrast different than the contrast for CT scans. Expect to be in MRI for at least 2 hours.

The MRI scanner is noisy. You will be given a set of earplugs or headphones to wear during the examination to reduce the noise. It is important that you follow the technologist's instructions. You will be asked to remain still multiple times throughout the examination while each sequence is being performed. Each sequence lasts between 2-10 minutes. If you are claustrophobic (have a fear of being closed-in), you may want to discuss the option of receiving sedation for the study with your physician prior to your appointment.

You may receive additional specific instructions when you schedule your appointment depending upon the type of procedure that will be performed.

Hoag offers this imaging at the following locations:

Hoag Hospital Newport Beach

Hoag Health Center - Newport Beach

Hoag Hospital Irvine

Marilyn Herbert Hausman Advanced  
Technology Pavilion

Hoag Health Center - Huntington Beach

Hoag Health Center Irvine – Sand Canyon