

EXAM: Dual Isotope Infection
 Imaging Department 330-596-7700
 Scheduling 330-596-7187



INDICATIONS:	If the patient has specific questions they should contact their physician. This exam can be helpful in evaluation of osteomyelitis, abscess, infection, inflammatory disease, and pulmonary infiltrates. It can also be used to assess evaluation for prosthesis rejection.
CONTRA-INDICATIONS:	A barium study cannot be done prior to this exam. If one is done, then 72 hours needs to pass before scheduling this exam. Patient who has recently (48hrs) had a technetium based nuclear scan performed. Patient should not be leukopenic. Antibiotics can reduce the leukocytes and have a negative effect on the exam. This test is not particularly effective for spinal cord infections. The table weight limit is 350-400lbs.
HOW LONG WILL IT TAKE?	Please arrive 15 minutes prior to your scheduled appointment for registration and insurance purposes. The exam will take approximately 27hrs to complete.
PREPARATION:	None
PRECAUTIONS:	If you think you may be pregnant or if you are breastfeeding, make sure the doctor is aware and risks are explained. Mothers that are breastfeeding should consider pumping enough to be used for two days.
MEDICATION ISSUES:	Antibiotics may have a negative effect on the scan.
WHAT CAN BE EXPECTED:	<p>The patient will arrive at the hospital and enter at the main entrance.</p> <ul style="list-style-type: none"> - If the patient is not pre-registered, they will need to stop in the first office on the right, just pass the waterfalls, to complete the required paperwork. The patient should have a copy of the doctor's order. - If the patient is pre-registered, they will go pass the waterfall, down the hall, pass the second tan circle on the floor, to the imaging comfort area. They will report in to register and review insurance. The patient should have a copy of the orders as a precaution. <p>The patient will be brought back to the department where the procedure will be explained, confirm the patient's identity and review their history. An IV will be started and a small amount of blood will be drawn from the IV. The blood will be sent out for tagging with Indium (radioisotope). The patient will return approximately 2 to 3 hours after the IV was started. The patient will be placed on the imaging table with Gamma Cameras placed over the area of interest. An injection of MDP (radioisotope), will be administered and several images will be taken for approximately 30 minutes. Once these images are completed, the Indium will be injected into the IV line. Patient will return 24 hours post injection of the Indium. Several images will be acquired at this time for approximately 2 hours.</p> <p>The study is completed after the images have been taken. At this time they will be allowed to leave. No precautions need to be taken other than limiting contact with children under 3yrs of age for the next 24 hours.</p> <p>NOTE. This material will be out of their systems within 24hrs. The material will not cause any side effects. The report will typically be available to the Doctor's office within 24hrs on the transcription line. A written report will be sent and usually takes 3 to 5 working days.</p>