


EXAM: NUC. MED. RENAL MAG3 W/VASOTEC Imaging Department 330-596-7700 Scheduling 330-596-7187	
INDICATIONS:	If a patient has specific questions the patient should contact their physician. This exam can be useful in evaluation of renal artery stenosis, renal hypertension, renal tubular dysfunction, and kidney transplant.
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 (48 hours) had a technetium based nuclear scan performed. The table weight limit is 400-500lbs.
HOW LONG WILL IT TAKE?	Please arrive 15 minutes prior to your scheduled appointment for registration and insurance purposes. The exam will take approximately 3-4 hours to complete.
PREPARATION:	Patient must be well hydrated prior to the exam. This means that the patient should drink plenty of water, juice and/or sports drinks. If the patient takes Lasix or another diuretic the patient <i>may</i> be asked to discontinue it for a time prior to the exam. The radiology nurse will call prior to this exam and go over a list of questions. Certain medication must be withheld to ensure elevated systolic pressure prior to the study. The doctor who ordered the medication must give consent to stop medicine.
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:	Patient medications such as calcium channel blockers, diuretics, beta blockers, and ace inhibitors should be withheld up to 48 hours. This will only be done with the consent of the ordering doctor.
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, the patient 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, the patient will go pass the waterfall, down the hall, pass the second circle on the floor, to the imaging comfort area. The patient will report in to register and review insurance. The patient should have a copy of the doctor's orders as a precaution. <p>The patient will be brought back to the department where we will confirm the patient's identity, explain the procedure, and review their history. The patient's blood pressure and heart rate will be checked by the nurse to ensure the patient's systolic pressure is above 140. If it is not, the exam cannot be done. If ok, then an IV will be started. The patient will be placed on the imaging table with a gamma camera located underneath. An injection of MAG3 (radioisotope) will be given through the IV. A series of images will be taken for about 40 minutes. At this time the patient will instructed to empty their bladder, and then a 3 minute image will be taken. The patient will then be given an injection of vasotec, then hydrated with an IV drip of saline and asked to drink fluids. The nurse will monitor the patient for 45 minutes. The patient will be placed on the imaging table with a gamma camera located underneath. An injection of MAG3 (radioisotope) will be given through the IV. A series of images will be taken for about 40 minutes. At this time the patient will instructed to empty their bladder, and then a 3 minute image will be taken. The nurse will take one last blood pressure and heart rate to ensure it is safe for patient to leave. The study is completed after the images have been taken. At this time the patient will be allowed to leave. No precautions need to be taken other than limiting contact with children less than 3 years of age for the next 24 hours.</p> <p>NOTE. This material will be out of their systems within 48 hours. The material will not cause any side effects. A written report will be sent and usually takes 1-2 working days.</p>