



Renal Captopril MAG3

(Tubular Secretion)
(with and without baseline)

Please contact one of the technologists if you have any questions concerning the information seen on this page.

Indications

- Evaluation of renal artery stenosis
- Evaluation of renovascular hypertension

Billing/Coding

With Baseline

Nuclear Sonics Billing #: 53

CPT Code: 78709

CPT Name: Kidney imaging morphology with vascular flow and function, multiple studies, with pharmacological intervention

Radiopharmaceutical Used:

Tc-99m mertiatide (MAG3)

HCPCS Code: A9562

NDC #: if needed, please contact NSA technologist

Billing for Rp: per study dose, up to 15 millicuries

Interventional Drug: Captopril

Captopril is provided by the clinic or hospital.

Without Baseline

Nuclear Sonics Billing #: 53

CPT Code: 78708

CPT Name: Kidney imaging morphology with vascular flow and function, single study, with pharmacological intervention

Radiopharmaceutical Used:

Tc-99m mertiatide (MAG3)

Interventional Drug: Captopril

Study Overview

Prep:

- ACE inhibitors and diuretics should be discontinued for 2 days
- Patient should be well hydrated
- Patient should be NPO for 4 hours before the exam

Exam Time:

- With baseline - 3 hours
- Without baseline - 1 hour

Overview:

- With baseline
 - Patient is injected with a small amount of radioactive material and images are taken for 45 minutes. After imaging, the patient takes an oral pill of Captopril by clinic or hospital staff and is monitored by a nurse over a one hour period. The patient is then injected with a radioactive material and images are acquired for another 45 minutes.
- Without baseline
 - Patient takes an oral pill of Captopril by clinic or hospital staff and is monitored by a nurse over a one hour period. The patient is then injected with a radioactive material and images are acquired for another 45 minutes.

Contraindications

- Pregnancy
- Breastfeeding
- Hypersensitivity to any material used
- Patient still on ACE inhibitors

Pregnancy/Breastfeeding Concerns

It is at the discretion of the ordering physician, the radiologist and the patient, whether or not a pregnant patient should have any nuclear medicine procedures performed until after the pregnancy has ended. It is the recommendation of Nuclear Sonics that patients who are breastfeeding should discontinue for 10 half-lives of the radiopharmaceutical. This is typically a Technetium product, which has a radioactive half-life of 6 hours, so the typical discontinuation should occur for 60 hours.

Disclaimer: These are the recommendations of Nuclear Sonics. At times, the ordering provider may choose a different prep, use the study for something other than what is indicated or order the study even if the study is contraindicated. The prospective Radiology Department and/or Nuclear Sonics will ascertain whether or not the ordering provider wishes to go against the recommendations.