

Scheduling Nuclear Medicine Studies

CARDIAC SPECT STRESS OR CARDIOLITE CPT: 78452

Typically Ordered For:

- Myocardial Infarction
- Coronary Artery Disease
- Chest Pain
- Shortness of Breath
- Abnormal EKG
- Pharmacologic Stress Available
- Post-Infarct Evaluation

Patient Preparation:

- Wear comfortable shoes.
- Stop taking blood pressure medications 48 hours in advance (under the advice of a physician only).
- Do not eat or drink 3 hours prior to the scan.
- For Diabetic patients, please consult physician re: insulin medication; it is permissible to eat a small meal.

THYROID / UPTAKE SCAN CPT: 78014

Typically Ordered For:

- Hypo/Hyperthyroidism
- Grave's Disease
- Abnormal T3-T4, TSH
- Enlarged Thyroid Gland
- Undiagnosed Mass in Neck

Patient Preparation:

- Patient should not have an x-ray study with dye (I.V.P., CT scan, or Arteriogram) for 2 weeks prior to scan.
- Patient should be off of Thyroid medication for at least 2-4 weeks prior to scan. Please confirm with referring physician.
- Patients should arrive for his/her pill and return 6 hours later for Scanning; return 24 hours later for an Uptake.

MUGA SCAN GATED CARDIAC CPT: 78472

Typically Ordered For:

- Cardiac Function (Ejection Fraction)
- Prior to Cancer Treatment
- Post Cancer Treatment

Patient Preparation:

- No Prep.
- Patient will be monitored by a 3-lead EKG.
- Patient receives 2 injections, 20 minutes apart.
- Scan time is 45 minutes.

BONE SCAN

**WHOLE BODY CPT: 78306
3 PHASE CPT: 78315
SPECT CPT: 78320**

Typically Ordered For:

- Cancer (Primary or Metastatic)
- Back Pain
- Fracture
- Osteomyelitis

Patient Preparation:

- Patient receives an injection. The patient must return 2 to 3 hours later for a scan. A follow-up scan with tagged white cells may be suggested.
- Type of scan ordered depends on the area of interest.
- 3 Phase scan 1, Extremity, 2, SPECT (Spine), 3, Whole Body.
- Scan time is 1 hour.
- If SPECT (ordered for spine) add 30 minutes.

GALLBLADDER / HEPATOBILIARY SCAN CPT: 78227

Typically Ordered For:

- Acute or Chronic Cholecystitis
- Pain in the Upper Right Quadrant
- GB Ejection Fraction with CCK

Patient Preparation:

- Discontinue sedatives and/or pain medication 24 hours prior to the study.
- Do not eat or drink 4 hours prior to the scan.
- Patient is injected.
- Scan time is 2-4 hours.

THYROID TECHNETIUM SCAN CPT: 78014

Patient Preparation:

- Patient receives an injection and is imaged after a 20 minute wait.
- Scan time is 30 minutes.

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RENAL SCAN

CPT: 78707

Typically Ordered For:

- Renal Perfusion
- Renal Lasix (1 hour)
- Renal Imaging
- Hypertension — Captopril (2 hours)
- Anatomic Information when there is allergy to contrast

Patient Preparation:

- No Prep.
- Patient is injected with radiotracer.
- Scan time is 45 minutes.

LIVER SPLEEN SCAN

CPT: 78215

Typically Ordered For:

- Cancer (Primary or Metastatic)
- Abnormal Liver Enzymes
- Pain in Right Upper Quadrant
- Enlarged Liver
- Enlarged Spleen

Patient Preparation:

- No Prep.
- Patient is injected and waits 20 minutes.
- Scan time is approx 30 minutes.
- If SPECT is ordered, add 45 minutes.

WHITE BLOOD CELL (WBC) CPT: 78607

Typically Ordered For:

- Detection and localization of acute and chronic osteomyelitis, infection, or acute abscesses.
- Evaluation for prosthesis rejection

Patient Preparation:

- Stay well hydrated.
- If possible, stop all antibiotic medication 1 week prior to the study. Antibiotics decrease chemotaxis and have a negative effect on leukocytes.
- 3 different appointments: 1) Draw blood in am, 2) Reinjection of isotope around noon, 3) Scan time 2-3 hour post reinjection.

GASTRIC EMPTYING (SOLID AND LIQUID)

CPT: 78264

Typically Ordered For:

- Determination of delayed gastric emptying
- Evaluation of mechanical obstruction, altered function (e.g. gastroparesis), nausea, vomiting, abdominal pain, or weight loss.
- Evaluation of gastric therapy (e.g. Reglan)

Patient Preparation:

- Do not eat or drink 4 hours prior to the study.
- **Solid Gastric Emptying:** Two eggs scrambled with radiotracer. 8oz of water is also given. The scan will take 3-4 hours. Note: If you have an egg allergy, oatmeal can be substituted.

Liquid Gastric Emptying: No solid meal before study. An 8oz glass of water tagged with a radiotracer will be given. The scan will take 1 hour.

PARATHYROID SCAN WITH SPECT SCAN

CPT: 78070

CPT: 78803

Typically Ordered For:

- Elevated Serum Calcium
- Parathyroid Adenoma
- Parathyroid Hyperplasia
- Elevated Parathyroid Hormone

Patient Preparation:

- Patient must be off thyroid medication or iodine containing drugs. 2-4 weeks
- Patient scanned for 30 minutes after injection, and again at 3 hours post injection.

OTHER STUDIES

To be scheduled with a technologist.

- Liver Hemangioma **CPT: 78205**
- Meckel's Scan **CPT: 78290**
- Brain Scan **CPT: 78607**