

Nuclear Medicine



Results
you can trust

RIS
RADIOLOGY AND IMAGING SPECIALISTS

at



Lakeland Regional Health

WHAT IS NUCLEAR MEDICINE?

While the name may sound scary, nuclear medicine is actually a very safe and relatively painless form of diagnostic testing. It is unique in that it provides doctors with information about both anatomy (such as an internal organ) and function (such as blood flow through a vein). It is ideal for identifying abnormalities very early in the progress of a disease—long before it may be revealed with other diagnostic tests.

Doctors use nuclear medicine testing to visualize blood flow and function to the heart, lungs and other organs; evaluate bones for fractures, infection and arthritis; detect cancer throughout the body; evaluate the brain for neurological disorders and brain injury; measure thyroid function; and more.

Nuclear medicine uses very small amounts of radioactive materials, also known as radiopharmaceuticals, that are swallowed or injected into your body before your test and then detected by a special camera. Software is then used to reconstruct precise pictures of the area of the body being imaged. The amount of radiation exposure is similar to that of a general x-ray.



Christian T. Schmitt, M.D.

Dr. Schmitt is one of the leading experts of nuclear medicine interpretation in the state of Florida. He is board-certified and trained at Mallinckrodt Institute of Radiology, a leading Nuclear Medicine training facility.

AVAILABLE EXAMS

Lung ventilation
and perfusion

Lymphoscintigraphy

Gallium67 whole
body scan

Indium 111 white
blood cell labeled
scans for infection

OctreoScan for
carcinoid tumors

Renal function studies
including ACE Inhibitor,
DMSA and Lasix excretion

DaT Scan for Parkinsonian
syndrome (Brain SPECT)

Multigated heart scan
(MUGA scan)

Cardiac PYP imaging for
detection of
amyloid plaque

Meckel's scan

Gastric emptying study

Gastrointestinal bleed
detection

Liver blood pool imaging
and liver/spleen
differential analysis

Hepatobiliary with
Ejection Fraction
(HIDA scan with EF)

Bone scintigraphy
including whole body,
triple phase and limited

Bone marrow scintigraphy

Thyroid function studies

Parathyroid imaging

MIBG Scintigraphy

THERAPIES (no imaging)

I131 Thyroid ablation for
hyperthyroidism

Xofigo Radium223 for
prostate cancer that has
metastasized to bone



WHAT TO EXPECT DURING YOUR TEST

Depending on the type of nuclear medicine test you are having, you will be given the radiotracer orally or intravenously. Some tests require the test to be performed immediately after the administration of the radiotracer. Others may require you to wait several days before your test.

During the test, you will lie on a bed while the camera or scanner takes a series of images. The camera may rotate around you or stay in one location while you change positions. You will need to remain still for brief periods of time. The entire process may be completed in as little as 20 minutes or as long as two hours, depending on the area(s) of the body being imaged.

After your test, the results will be interpreted by a radiologist and sent to your doctor. The small amount of radiotracer will lose its radioactivity over time and be flushed out of your body naturally.





When your healthcare depends on the latest technology and expert interpretation ***you can trust*** RIS Nuclear Medicine.

ADVANCED & COMPREHENSIVE IMAGING SERVICES

Radiology and Imaging Specialists (RIS) is a physician-owned facility and for over 45 years has provided our community with the highest quality medical imaging services. RIS has over 30 board-certified radiologists, many of whom are sub-specialized.

We offer convenient appointment times and scheduling. Call 863.688.2334 or visit us at www.ris-lrh.com to schedule an appointment or for more information.



Lakeland Regional Health

www.ris-lrh.com

863.688.2334

1305 Lakeland Hills Blvd., Lakeland, FL 33805