NM 600 Series
Nuclear Medicine has never looked so human.
We're making nuclear medicine more personal.

Our investments in nuclear medicine and our commitment to innovation are yielding remarkable advancements with SPECT and hybrid SPECT/CT imaging. Every step forward is engineered to bring more accuracy, more consistency, more personalization and more value to the power of nuclear medicine.
Harnessing the power of nuclear medicine

At GE Healthcare, we believe in a diagnostic tool that’s efficient, precise, sophisticated — and with a future full of potential. It’s nuclear medicine, and we’re dedicated to harnessing its power.

To us, that means investing in nuclear medicine and championing its use around the world. We’re helping organizations harness the power of nuclear medicine for high image quality, low injected dose and reduced exam and reconstruction times. We’re pioneering the use of quantitation techniques to support physicians with diagnostic and treatment insights.

Nuclear Medicine 600 Series

With each product in our 600 series, we’ve created a powerful diagnostic tool that was designed with patients, clinicians and administrators in mind. For patients, an exam that delivers helpful results. For clinicians, the image clarity to diagnose and treat with confidence. And for administrators, custom configurations that can be enhanced and scaled to protect investments in nuclear medicine.

Your needs, your outcomes

- High image quality, to support confident diagnoses
- Reduced exam and reconstruction times, yielding greater efficiency
- Low injected dose
- Quantitative techniques, helping physicians support diagnostic and treatment insights
Know more, do more.

The power of SPECT to reveal physiologic and metabolic change gives physicians a unique tool for diagnosing and treating patients. The typical availability of radioisotopes, their longer half-lives and the flexibility to explore multiple pathways in a single session continue to make SPECT an excellent choice for physicians at the forefront of medicine.

Brivo NM615
Where your nuclear medicine future begins
Whether you're looking for your first nuclear medicine camera or one to handle overflow from your rising patient volume, this reliable, single-head system has been designed to grow with your clinic. With the Brivo* NM615, it's easy to bring the benefits of GE's proven nuclear medicine technology to your patients.
At its core, the Brivo NM615 is an affordable nuclear medicine solution that delivers the flexibility to perform the most common nuclear medicine procedures and the option to expand your capabilities through simple software enhancements or upgrades. It’s an investment that is innovative now and ready for the future.

- Big technology at a small price
- Designed for high productivity
- Support and reliability when you need it most

Discovery NM630
Focus on what matters most
The Discovery* NM630 brings you the diagnostic power of a dual-head SPECT system and an extra focus on the personal comfort of your patients.
Faster scans¹ and automated transitions streamline workflow as they help shorten table time.
Using Evolution*, doses as low as half² those of standard nuclear medicine scanning protocols are possible without compromising on image quality. The Discovery NM630 is designed to maximize your scannable population with its large bore and table capable of handling patients up to 500 pounds.

- Exceptional image quality and precise event detection
- Easy to use applications for cardiology, neurology, oncology and bone studies
- Dose and time balancing for more personalized testing
- CT upgradeable for hybrid imaging
Acquire a more personal understanding of your patients.

Innovative hybrid technology seamlessly integrates the functional images of advanced SPECT with the precise anatomical detail of multi-slice high-resolution CT.

This coupling of technologies delivers excellent image quality, application possibilities and versatility — so you can discover more about each patient.

**Discovery NM/CT 670 Pro**

**Discover what lies beyond the horizon**

With our latest CT technology, the Discovery NM/CT 670 Pro helps you obtain excellent image quality, to explore the deepest regions where disease arises and see beyond what once was thought possible.

- Single breath-hold scans, 0.5 second rotation with high image quality
- 70 cm chest abdomen pelvis in 10 seconds — IQE pitch booster covers more anatomy at the same image quality
- Absolute quantitation of tracer uptake with Q.Metrix

**Optima NM/CT 640**

**A powerful combination of precision and performance**

The ability to capture clear SPECT/CT images has never been more important. Radiologists and referring physicians demand it. Diagnostic certainty requires it. And the Optima* NM/CT 640 delivers it.

With the Optima NM/CT 640, you get the precision and image quality you need to make critical treatment decisions with confidence. And advances in acquisition speed and CT technology make it a sound investment to help increase performance.

- Exceptional, precise images at low dose
- Dramatic reductions in hybrid scan times
- Absolute quantitation of tracer uptake with Q.Metrix
- A less taxing patient experience

**Discovery NM/CT 670**

**Coverage, confidence and productivity with extended CT capability**

Built on GE’s pioneering legacy in molecular imaging, the Discovery NM/CT 670 leverages our decades of imaging excellence and advanced SPECT and CT technologies. The automated fusion of SPECT and CT images from the Discovery NM/CT 670 gives you the clarity to make a diagnosis that you can rely on.

- IQE enables faster anatomical coverage using faster pitch helical scanning at similar artifact index level
- Absolute quantitation of tracer uptake with Q.Metrix
- A CT ready for stand-alone use when routine workflow turns into overflow
- Special features to improve a patient’s ease and comfort
Balance dose and time for singular results.

Enhance your practice, clinic or hospital with the Nuclear Medicine 600 Series. Advanced Elite NXT detector technology, including ultra-short PMTs and miniaturized electronics, yields superb energy resolution, outstanding SPECT resolution and very high count rate for image clarity you can see. An Ultra-Thin Pressure Sensitive Device and automated body contouring help leverage this high resolution by imaging as close to the patient as possible. Powerful SPECT algorithms allow you to cut dose¹ or acquisition time in half without sacrificing image quality. With the high image quality, quantitation and lower injected dose capabilities of GE's NM 600 Series, you can inspire confidence in patients and referring physicians with information that is clear and quantified.

See each patient in a new light.

Combine the functional and the anatomical with multi-slice SPECT/CT technology, and gain a closer look at your patients. Innovative hybrid technology seamlessly integrates the functional images of advanced SPECT with the precise anatomical detail of multi-slice high-resolution CT. This coupling of technologies delivers a new dimension of image quality, application possibilities and versatility — so you can explore more than you ever thought possible. With Volumetrix¹ MI's powerful multi-modality Quality Assurance tools, you can ensure scans are properly aligned to enable high diagnostic confidence with fewer rescans, and with Volumetrix 3D you have an easier way to review hybrid data sets with intuitive tools for volume rendering, segmentation and fusion of SPECT studies with MR or CT scans.

Personalized care by the numbers.

Our Q.Suite technology for SPECT/CT may help clinicians gauge a patient's progress more accurately than ever before, and optimize treatment, based on the patient's unique response over time. The advanced tools in Q.Suite help ensure the accuracy of the images, consistent performance from the SPECT and CT equipment, and the integrity of the data generated. All the relevant information comes together for analysis and is delivered in a way that is meaningful and useful for clinicians involved in the patient's care. Together with our customers, we are focused on improving quality, access and affordability in SPECT/CT imaging to bring more personalized care to the community of patients you serve.
The Discovery NM/CT 670 Pro—a CT scan for everyday use.

It's time for high speed acquisition with stellar image quality, balanced with a one-touch dose-management solution.

IQE
Cover more anatomy in less time, at the same image quality with IQE (image quality enhance).2

ASiR*
The Discovery NM/CT 670 Pro is designed for low dose with ASiR (adaptive statistical iterative reconstruction) inside.3

OptiDose
The Discovery NM/CT 670 Pro combines ASiR with our proven OptiDose* technologies to deliver dose reduction at the source.

VISR
The 3D filters in VISR (volumetric image space reconstruction) reduce image noise without compromising spatial resolution for clear visualization in neurological and cardiac imaging.4

Dose Check
Before the scan starts, Dose Check tools notify and alert the operator whether the estimated dose index is above user-defined notification values.

CT angiography
Speed and consistent quality—with consistent 0.625 mm data acquisition, there is no trade-off between speed and high resolution. The Discovery NM/CT 670 Pro’s speed and coverage is able to capture the arterial phase for assessment of most vascular segments. The Xtream Injector allows you to synchronize injection and acquisition parameters. With Autolaunch and Preprocessing, the system automatically prepares up to eight cases for reading—saving substantial time. In addition, zero-click bone removal automatically subtracts bones in angiography studies featuring automatic vessel tracking and thrombus segmentation.

CT oncology
The Discovery NM/CT 670 Pro enables you to see anatomy and lesions clearly and more thoroughly in order to understand the diagnostic landscape. High-quality images, streamlined workflow, fast acquisition speed and dose optimization all help you detect and evaluate small lesions, follow them over time and provide a detailed evaluation of tumor extension.
We take your commitment personally.

You’ve made it your purpose to improve the health of countless patients. This is why GE Healthcare strives to make our advanced imaging technology more accessible to hospitals, clinics, physicians and patients. It is why our products are designed to help you deliver not only an accurate diagnosis, but do it with comfort and peace-of-mind for your patients.

Count on the GE Continuum as your goals evolve
Because GE developed the NM 600 Series with upgradability in mind, it’s the perfect balance of precision and performance to take SPECT/CT into the future. The modular design means you can expand the system as your needs and capabilities grow.

**BRIVO NM615**
Perform today, grow tomorrow with the entry-point to the NM 600 Series.

**DISCOVERY NM630**
The dual-head NM 600 Series gantry designed for general purpose nuclear imaging and with a platform for growth.

**OPTIMA NM/CT 640**
Ready to step up to SPECT/CT in your practice? Upgrade your Discovery NM630 to a hybrid SPECT/CT camera, adding attenuation correction and exceptional anatomical localization images at low dose.

**DISCOVERY NM/CT 670 Pro and NM/CT 670**
Need a competitive edge in your practice? Secure the benefits of hybrid SPECT/CT by upgrading your Discovery NM630 with stand-alone CT capability and advanced SPECT/CT imaging.
With the power of Xeleris, anything is possible.

Xeleris is a high performance processing and review station that delivers innovative productivity tools, built-in connectivity, exceptional processing speed and outstanding versatility. By giving you access to information where and when you need it, Xeleris helps you and your nuclear medicine department do more for your patients.