

GE Healthcare

# Discovery NM630

Innovation to expand your care.



Discovery NM630





## Focus on what matters most.

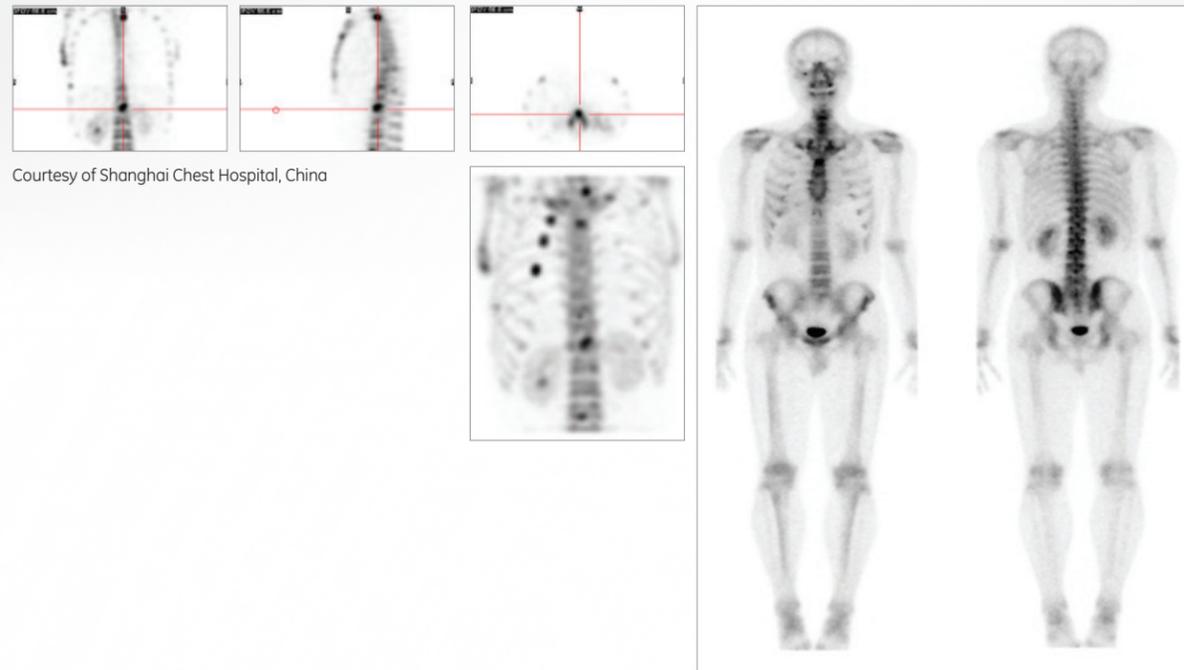
Your reason for being is the health of countless patients who come to you for care. This is why GE Healthcare strives to make our advanced imaging technology more accessible. It is why our products are designed to help you deliver not only an accurate diagnosis, but do it with comfort and peace-of-mind for your patients. It is why GE Healthcare created the Discovery\* NM630.

Combining intuitive interfaces and ease of operation with superb image quality, the Discovery NM630 gives healthcare providers the outstanding capability to deliver excellent care to their patients. With doses as low as half those of standard NM scanning protocols. With the potential for significantly less time on the table. And without compromising on image quality.

The Discovery NM630 can even be upgraded to a Discovery NM/CT 670 by adding CT capabilities for true hybrid imaging, helping to protect your investment while expanding your diagnostic horizons.



“I was looking for answers but dreading the process. I was so relieved to find it would be quick and with minimal discomfort.”



Courtesy of Shanghai Chest Hospital, China

“The greater my ability to see,  
the better my opportunities to cure.”

## Advanced technology that can help you provide excellent care.

By leveraging decades of experience in molecular imaging, the Discovery NM630 can help you provide exceptional levels of care.

**Outstanding Image Quality:** A step forward in detector design, the Elite NXT detector enables exceptional image quality. Ultra-thin design and auto-body contouring minimize the distance between the patient and the detectors for excellent resolution while SPECT-optimized collimators and the exceptionally high count rate enable extremely precise event detection.

**Dose Management:** Exclusive Evolution\* technology changes the relationship between time, dosage and image quality by allowing you to reduce time or injected patient dose up to 50% in most scanning procedures while maintaining excellent image quality.

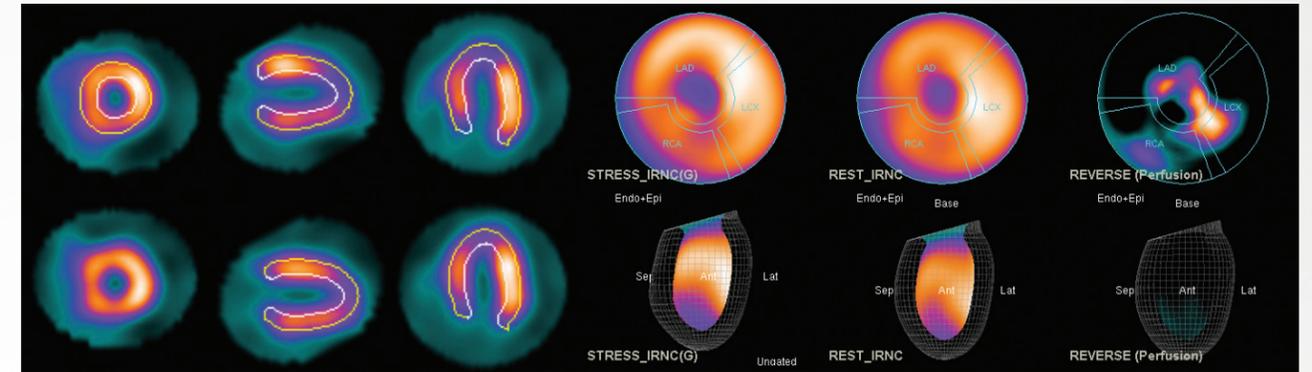
**Increased Productivity:** Half-time imaging meets fast and flexible robotic gantry motions and Ignite streamlined workflow to enable a whole-body and SPECT bone protocol in 15 minutes.

**Advanced Applications:** Advanced Xeleris\* workstation integrates new and existing nuclear medicine equipment, including legacy GE and non-GE devices. Designed to provide consistent results and enhanced workflow, Xeleris keeps you connected to your images and applications from PACS and PCs within your institution and remotely.

**Lasting Value:** You can be confident in your investment. The Discovery NM630 can be upgraded on location to a Discovery NM/CT 670 with the addition of a diagnostic CT capability that can expand your services to include hybrid imaging as your practice requires and your care mission demands.



“I’m here to support my patients.  
My scanner has to support them, too.”



## Position more patients for the best possible outcome.

Your patients come in a myriad of shapes and sizes. The Discovery NM630 is engineered to help accommodate more patients than previous generation GE nuclear medicine systems. With its large bore and table capable of handling patients up to 500 pounds (227 kilograms), the Discovery NM630 is designed to maximize your scannable population.

To optimize image clarity and sharpness, real-time, infrared-guided automatic contouring enables consistent detector positioning close to the patient throughout the scan, regardless of body type. Robust gantry design and construction further enhance image quality by enabling high positioning accuracy, resulting in precise orbits and reproducible scans.

Set-up is fast courtesy of a handheld remote control that puts commonly used settings at your disposal with the touch of a button and minimal trips away from your patient. Extremely quick, automated transitions between detector positions with simultaneous multi-axis movement make scans quick and efficient.

Whether short or tall, heavy or thin, bed-ridden or ambulatory, the Discovery NM630 is designed to provide more patients with superb quality nuclear imaging. And to do it with outstanding efficiency and speed.



“Our hospital is staffed with incredibly gifted physicians.  
I want them to have the technology that allows them  
to do the greatest good.”

## The ability to see more allows you to do more.

The more precise the information healthcare providers can get about a patient's condition, the more effectively that patient can be treated. It is for this reason the Discovery NM630 incorporates advanced Elite NXT detectors.

Elite NXT detectors are designed to offer outstanding SPECT resolution and exceptional contrast for superb image quality, all to help you diagnose disease earlier and more accurately. Image quality is enhanced with SPECT-optimized collimators and ultra-high count rate (460kCounts per second) for extremely precise lesion detection.

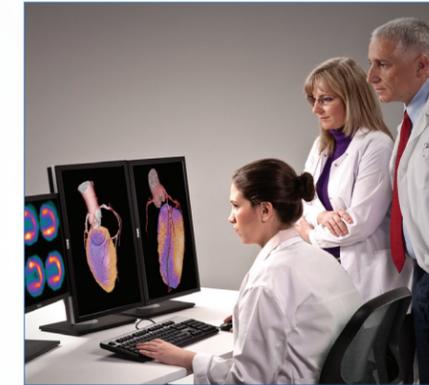
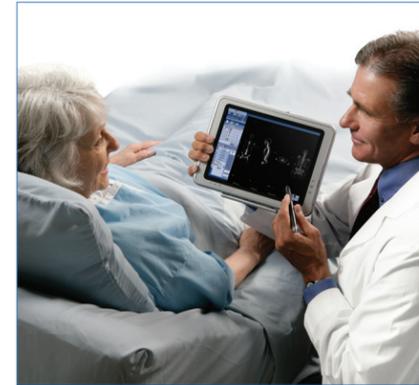
An innovative design replacing four circuit boards with a single digital acquisition board results in reduced noise and a 9.5% energy resolution for improved image contrast. Spot view resolution is improved by the ultra-thin pressure-sensitive detector covers which reduce the distance between patient and collimator to less than 4mm.

And finally, auto-body contouring minimizes the distance between patient and detector, resulting in excellent spatial resolution in both SPECT and whole-body planar imaging.

All of which can help you diagnose and treat disease effectively and more compassionately.



“When information and opinions get shared,  
it leads to better outcomes for my patients.”



## The tools to transform data into precise diagnoses.

Scans are data, and that data must be interpreted. The Xeleris workstation, when used with the Discovery NM630, provides a comprehensive data management solution for your molecular imaging needs.

Xeleris delivers innovative productivity tools, built-in connectivity, exceptional processing speed and advanced versatility. By giving you complete access to information when and where you need it through PACS as well as remote PCs, it helps you share ideas and potentially make better decisions. And that leads to better care.

Plus, the comprehensive suite of tools available with Xeleris are there for you in countless MI scenarios. Whether you work with a single scanner or integrate the data from many, tools such as Evolution which can reduce patient dose up to 50% while maintaining image quality, Volumetric MI and Aladdin's customizable programming are ready to grow with you as your needs grow. All with the potential capability to increase patient throughput significantly, which can translate into more patients per day.

In short, Xeleris ensures that you can make efficient use of the data you acquire today while providing a portal to the Molecular Imaging department of tomorrow.

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The quotations contained in this brochure are based upon statements from customers and relate to customer experiences.

## About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement, and performance solutions services helps our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access, and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at [www.gehealthcare.com](http://www.gehealthcare.com)

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