

GE Healthcare

Where will your vision take you? Go discover.

Discovery™ NM/CT 670



You will take the first step down a new road, armed with a vision... and a new idea...

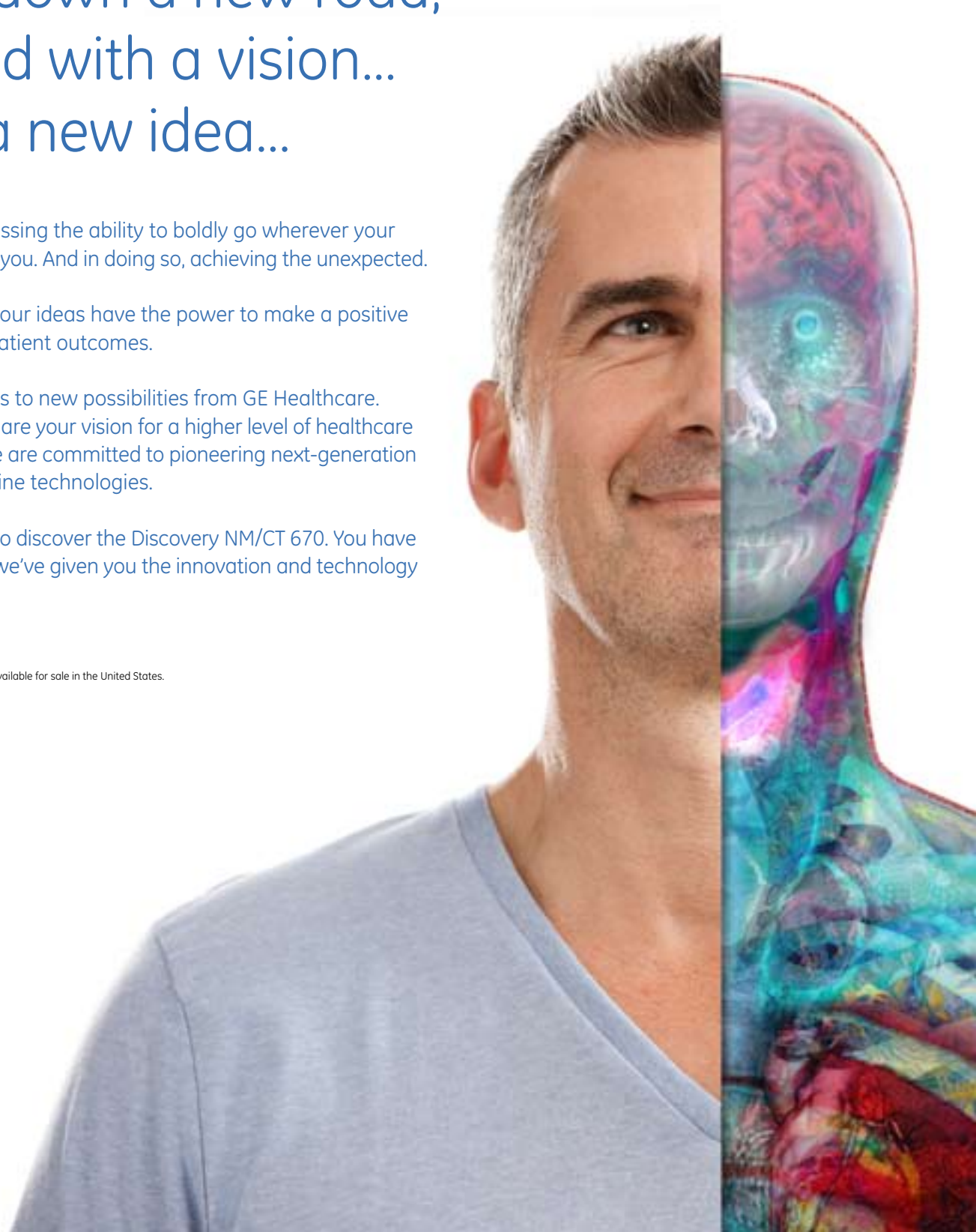
Imagine possessing the ability to boldly go wherever your vision will lead you. And in doing so, achieving the unexpected.

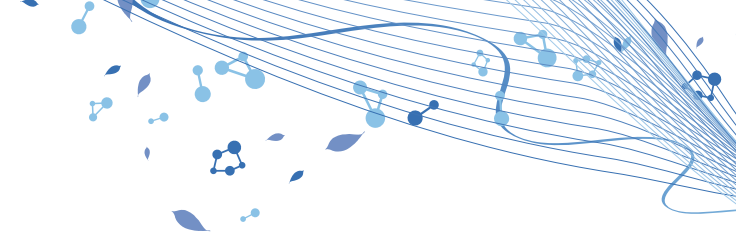
Imagine that your ideas have the power to make a positive difference in patient outcomes.

Open your eyes to new possibilities from GE Healthcare. Because we share your vision for a higher level of healthcare quality, and we are committed to pioneering next-generation nuclear medicine technologies.

Take the time to discover the Discovery NM/CT 670. You have a vision. Now, we've given you the innovation and technology to pursue it...

510(k) pending at FDA. Not available for sale in the United States.





You will go as far as you
can see. And you will see
enough to go even further.

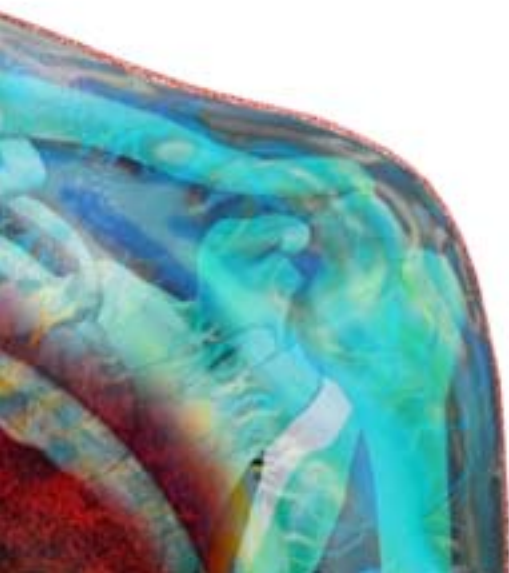
Understanding disease. From the beginning.

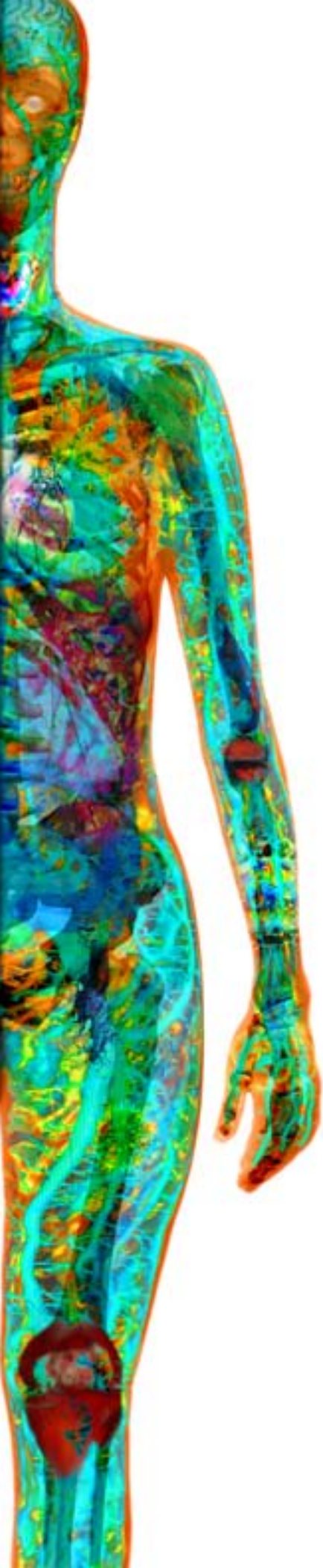
Our goal is to equip you with the technology and tools that transform your vision into cutting-edge healthcare solutions.

Discovery NM/CT 670 combines the power of next generation SPECT technology with proven multi-slice CT. Now, you can capitalize on fusion imagery so advanced it delivers a whole new dimension of image quality, application possibilities and versatility. From the ground up, this system has been designed to deliver unprecedented efficiency, next generation workflow and advanced robotics.

Discovery NM/CT 670 is built on the legacy of the world's first hybrid SPECT/CT system developed by GE Healthcare in 2000.

GE is also a leader in the development of radio pharmaceuticals and is active across the entire spectrum of molecular imaging – from the pre-clinical science of biological disease to developing imaging technology and molecular pharmaceuticals.





Discovery NM/CT 670. Now, go where your vision leads you.

Go and explore new territories in Nuclear Medicine with the Discovery NM/CT 670, a revolutionary hybrid technology.

The Discovery NM/CT 670 seamlessly integrates the functional images of SPECT with the precise anatomical detail of multi-slice CT. It enables you to detect and analyze molecular activity before anatomical changes are evident and empowers you to respond with confidence in your diagnosis.

The power of Discovery

- State-of-the-art Nuclear Medicine Slim Detectors for general purpose nuclear imaging.
- Flexibility to combine any supported SPECT and CT single or multiple exams to create hybrid protocols. The technologist saves time by completing multiple examinations in one patient visit.
- Inherent registration of multiple CT and SPECT FOVs, which permits scanning only the areas that need scanning, thereby reducing both dose and imaging time.
- Telescopic table design increases hybrid scanning range while ensuring accurate registration throughout the FOV.
- Responsible dose management for both NM and CT imaging.
- Next generation multimodality visualization tools on the Xeleris workstation for SPECT/PET/CT/MR.
- BrightSpeed Elite 16 slice CT with a 0.5 second scan speed.
- Advanced gantry robotics enabling simultaneous motions on multiple axis, swift setup and faster overall imaging time.
- A multitude of features designed to improve patient comfort, reduce anxiety and deliver heightened patient experience.

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respective owners.

Discovery NM/CT 670. Image quality that will help you push out the frontiers of Nuclear Medicine.



Step up to Discovery NM/CT 670 with:

- Advanced Reconstruction technology to optimize imaging time, patient dose and image quality for both SPECT and Planar imaging.
- Automated Body Contouring that secures better image quality and efficiency.

- Automated Collimator Identification to ensure the right corrections are used while time and errors caused by manual selection are reduced.
- GE's exclusive InSite™ remote digital services delivers more uptime and higher performance.

- Single Uniformity/Linearity Maps – Minimize calibration time and cost by utilizing one radio-nuclide for calibrations.

- Patient safety pads to minimize the distance to patients while ensuring reliable operations.

Worldwide incidence of new cancer patients is forecast to reach 4.6 million in 2010*. And by 2020, heart disease and stroke will become the leading cause of both disability and death worldwide, with the number of fatalities projected to increase to over 20 million a year**.

Clearly it's time to extend the boundaries of medicine. To expect uncompromising levels of quality and reliability that transform the impact of your diagnoses on the lives of your patients.

The answer is Discovery NM/CT 670. Because we want there to be no barriers in the way of achieving your vision and no end to the new frontiers you can conquer.

** Source: European Oncological Disease 2007 (Issue III)
** Source: World Health Organisation
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If a picture's worth a thousand words, imagine what cutting-edge multislice fusion imagery would be worth.

large 70 cm (28") bore and the 227 kg (500 lb) table capacity, to responsible dose management for both NM and CT imaging, and to small but important details like arm and leg supports and the built-in entertainment system.

You know how tough diseases are on lives. Discovery NM/CT 670 is designed to make detection and diagnosis as simple and gentle as possible.

And, isn't that one of the things you value when making this type of investment?

Get to know Discovery NM/CT 670. And you will quickly begin to understand the value of a system that enables powerful detection and diagnosis of disease states.

Discovery NM/CT 670 embodies next-generation

technology engineered to match your workflow, empowering you with accurate, detailed information so that you can be at your most confident, clinical best.

At the same time, Discovery NM/CT 670 is built to be sensitive to your patients' peace of mind. From the



First SPECT/CT imaging. Then revolutionized Nuclear Cardiology with Alcyone technology. Now exclusive detectors & advanced robotics.

See what makes Discovery NM/CT 670 the fusion
imaging system of choice.

Developed with the global expertise and resources
of the GE Healthcare Nuclear Medicine team, this
ground-breaking camera is designed to embrace
tomorrow's technologies today. Without question,
it is a thoroughly sound investment.

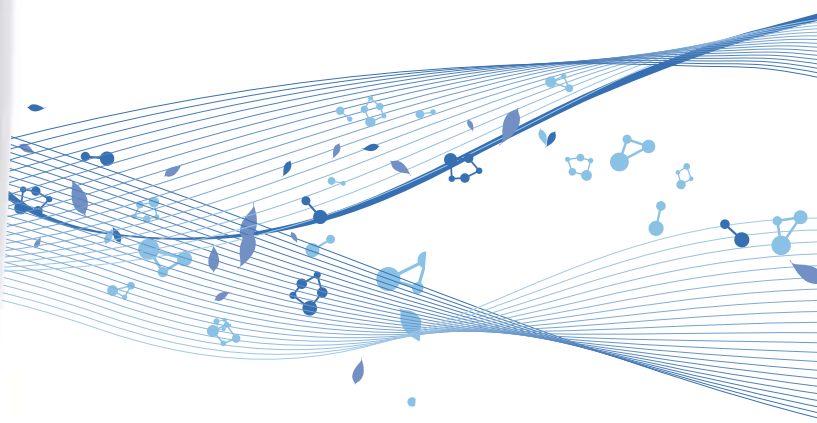
The technology incorporated in the Discovery
NM/CT 670 delivers outstanding workflow efficiency.
Experience improved throughput with comprehensive,
secure examinations and simplified, automated
procedures.

A quantum leap in workflow efficiency

- Precise definition of start/stop parameters via
optional interactive ruler on the table.
- Semi-automatic setup for cardiac ensures optimal
scan radius with minimal overhead setup time.



- Memorized positioning of prior exam on same
patients for faster setup and reproducibility.
- One-touch auto positioning for frequently used
imaging positions.
- Faster setup and overall imaging time due to
advanced gantry robotics enabled by simultaneous
motions on multiple axes.
- IHE® Scheduled Workflow compliant including
Modality Worklist and Modality Performed Procedure
Step (MPPS) expedites setup and reporting while
reducing errors.
- Automated gantry movements and Ignite™ enable
one-click applications to accelerate your workflow.
Intuitive exam set-up, automated and consistent
processing that makes your day more productive
while allowing greater focus on your patients.



Discovery™ NM/CT 670.
It's not what you look at that
matters, it's what you see.
Go discover.