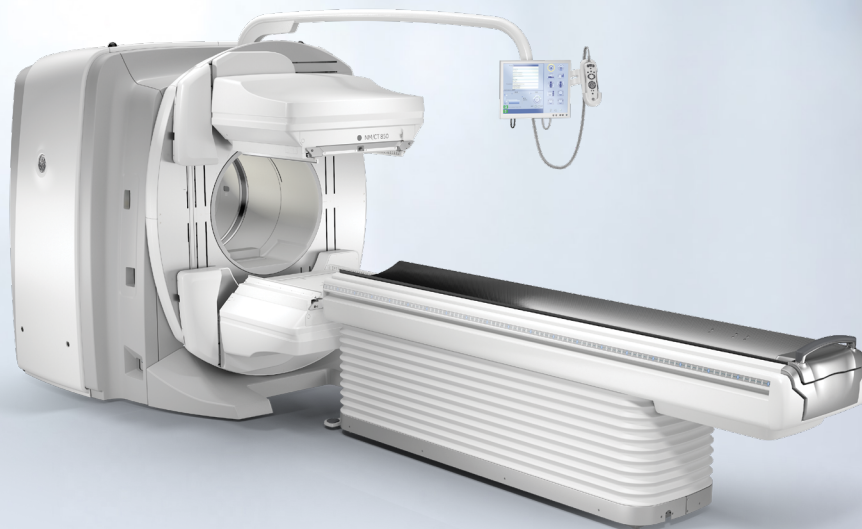


NM/CT 850



GIVE EVERY SPECT THE PERSPECTIVE OF CT

With the range of CT technology available today, you don't necessarily need a high-powered, diagnostic CT to get the benefits of anatomical information for your SPECT images. NM/CT 850 combines the 800 Series SPECT enhancements with the thin-slice performance of Revolution™ ACTs to deliver one diagnostic insight on top of another.

You can increase confidence in your images with the improved specificity and sensitivity of SPECT/CT over SPECT-only images. In addition, SmartConsole and Xeleris™ make more advanced hybrid and quantitative protocols available in routine settings by reducing the resources needed to perform them. Its modular design means you have the option to purchase SPECT advancements when you need them. And it has an easy upgrade path to the standalone diagnostic CT capability of NM/CT 860 should your organization require it in the future.

It's all the clinical value of SPECT/CT, in a smaller package. The perfect amount of capability to start detecting disease earlier.

- Improved lesion localization, enabled by enhanced visualization of small lesions and anatomical edges⁴
- LEHRS collimators optimized for high sensitivity, low septal penetration and high resolution
- Exceptional NEMA resolution for SPECT in a detector box that is 13 cm slimmer
- Evolution technology for up to a 50 percent reduction of scan time or patient dose¹
- Enable a reduction of dose or scan times by up to 25 percent with the increased sensitivity of SwiftScan Planar and SwiftScan SPECT²
- Improved small lesion detectability with SwiftScan Planar and SwiftScan SPECT³



ENGINEERED TO INFORM

NM/CT 850 includes our Revolution ACTs CT system. It's an eight-slice CT system, which has been adapted to provide the low-dose scanning specifically needed for localization and attenuation correction in nuclear medicine hybrid imaging.

All of our new 800 Series SPECT/CT systems build on the success of the 600 Series with a collection of SPECT technology enhancements. These enhancements include a new LEHRS (Low Energy High Resolution and Sensitivity) collimator, which can be combined with either SPECT Step & Shoot Continuous scanning mode or Planar Clarity 2D processing to increase sensitivity and enable a reduction of scan times or injected dose². It's called SwiftScan SPECT and SwiftScan Planar. Additionally, SmartConsole enables an improvement in productivity by automating SPECT/CT and planar bone reconstructions and allowing physicians to provide their input remotely and digitally.

NM/CT 850 is a compact system with the essential CT technologies and many of the image-quality-enhancing technologies you need for advanced SPECT/CT exams without the extra cost and siting requirements of a 16-row detector CT.

SITING REQUIREMENTS

■ Minimum exam room size: 19'6.5" x 10'11.7" (5.96 m x 3.35 m)

References:

¹ In clinical practice, Evolution options^{1a} (Evolution for Bone, Evolution for Cardiac, Evolution for Bone Planar) and Evolution Toolkit^{1b} are recommended for use following consultation of a Nuclear Medicine physician, physicist and/or application specialist to determine the appropriate dose or scan time reduction to obtain diagnostic image quality for a particular clinical task, depending on the protocol adopted by the clinical site.

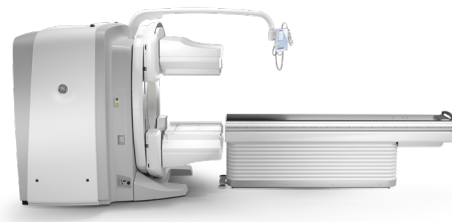
^{1a} Evolution Options - Evolution claims are supported by simulation of count statistics using default factory protocols and imaging of ^{99m}Tc based radiotracers with LEHR collimator on anthropomorphic phantom or realistic NCAT - SIMSET phantom followed by quantitative and qualitative images comparison.

^{1b} Evolution Toolkit - Evolution Toolkit claims are supported by simulation of full count statistics using lesion simulation phantom images based on various radiotracers and collimators and by showing that SPECT image quality reconstructed with Evolution Toolkit provide equivalent clinical information but have better signal-to-noise, contrast, and lesion resolution compared to the images reconstructed with FBP/OSEM.

² Compared to LEHR collimator, with Step & Shoot scan mode (for SPECT)/without Clarity 2D (for Planar). As demonstrated in phantom testing using a bone scan protocol, Evolution processing (for SPECT), and a model observer. Because model observer results may not always match those from a human reader, the actual time/dose reduction depends on the clinical task, patient size, anatomical location and clinical practice. A radiologist should determine the appropriate scan time/dose for the particular clinical task.

³ As demonstrated in phantom testing using a model observer. For SPECT, compared to using the LEHR Collimator and a SPECT Step & Shoot acquisition. For Planar, compared to using LEHR without Clarity 2D.

⁴ Compared to Optima™ NM/CT 640, as demonstrated in phantom testing.



Easy-to-use user interface helps your department operate efficiently



Save time and steps by remotely collaborating with a clinician mid-exam



Streamline access to SPECT/CT and quantitative SPECT/CT studies with automated transfer and archive features



Access future image quality enhancements and Cloud Analytics with the future-ready SmartConsole



Reduce cost and save space by sharing collimators with existing 600 Series and 800 Series systems



Utilize the proven platform of NM/CT 850 and upgrade to NM/CT 860 when you are ready to add standalone diagnostic CT capabilities



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