

Discovery PET/CT 690 VCT edition that includes ASiR™ and SnapShot™ Pulse options

Fact Sheet

What are the principle health needs and challenges this technology is designed to address?

With cancer and heart disease being the top causes of death in the world, physicians are looking for ways to detect and treat patients earlier in the disease progression using noninvasive imaging techniques.

The Discovery PET/CT 690 is a multi-purpose molecular imaging tool designed to help physicians manage patients with cancer, heart disease, and brain disorders by using the body's metabolic information to improve diagnostic accuracy and assessment of disease.

What are the purpose, main functions, and performance of the technology?

The Discovery PET/CT 690 has the power to capture two types of medical images in one machine. On the PET image, the physician sees how the body is functioning. On the CT image, the physician sees the body's anatomic structure. When combined into a PET/CT image, the patient's comprehensive picture is revealed, aiding physicians in making appropriate treatment decisions.



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Where is this technology available?

The Discovery PET/CT 690 VCT is designed for researchers and clinicians who wish to explore the future of molecular imaging. This product is available in many countries across the world in which it has been cleared for use by the applicable regulatory authority. For more information regarding those countries in which the product is available, please contact your local sales team.

How does the technology increase access, improve care, and/or decrease costs?

The Discovery PET/CT 690 VCT helps improve patient care by enabling the physician to prescribe a lower-dose CT without compromising the image

quality or their diagnostic confidence. With the ASiR (Adaptive Statistical Iterative Reconstruction) option, the CT dose can be reduced up to 44%* and with SnapShot Pulse up to 83%.

What are examples related to this technology?

At the Centre Cardiologique du Nord in France, a prospective study of radiation dose was conducted for 690 patients. These patients were imaged with SnapShot Pulse and resulted in a 70% reduction as compared to without SnapShot Pulse.

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*The actual dose reduction level achieved will depend on the application and physician preference with specific protocols.

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