

Technology Backgrounder

Advanced Molecular Imaging

Radiology's role in disease management is becoming increasingly important. Your ability to identify disease in its earliest stages, as well as assess response to therapeutic intervention, is critical. The images you acquire help depict the characteristics of specific disease processes by individual, enabling more personalized care. Cutting-edge imaging technology that supports a refined interpretation helps increase your diagnostic confidence.

Philips Vereos PET/CT

Philips Vereos PET/CT, the world's first and only true digital PET/CT, takes a leap forward by giving you improved contrast resolution and superb SUV quantitation. It positions you to go beyond the current limitations in PET/CT imaging and improve patient care by providing dramatic improvements of approximately 2x volumetric resolution, 2x sensitivity gain, and 2x quantitative accuracy compared to analog* systems.



This advance in clinical performance is the result of our proprietary Digital Photon Counting (DPC) technology, which converts scintillation light directly to a digital signal. Small crystals with 1:1 coupling to light sensors produce a high linear count rate, faster Time-of-Flight (TOF) performance, and overall sensitivity gains compared to analog*. In fact, 9 out of 10 referring physicians prefer our digital PET images to non-digital images**.

As further validation of the importance of this breakthrough, Frost & Sullivan has just awarded Vereos the 2014 Best Practices award for North American PET Imaging Technology Innovation Leadership.

Vereos PET/CT stands as a remarkable example of how Philips collaboration with the radiology community is driving clinical performance and enhancing patient care.

**Philips GEMINI TF 16*

***Based on a recent survey of referring oncologists.*

For more information, additional materials and images, go to www.philips.com/RSNA and click on the "News Center" tab.