
Siemens Healthineers Introduces Biograph Vision Quadra Extended Axial FoV PET/CT Scanner



Congress of the European Association of Nuclear Medicine

- Large 106 cm axial PET field of view enables simultaneous whole-body imaging from top of head to thigh
- Industry's most sensitive extended field of view scanner¹ designed for clinical and research use

During the virtual 33rd Annual Congress of the European Association of Nuclear Medicine (EANM), Oct. 22-30, [Siemens Healthineers](#) introduces the Biograph Vision Quadra, a CE-Marked positron emission tomography/computed tomography (PET/CT) scanner that is designed for clinical use as well as translational research – or the application of scientific research to create therapies and procedures that improve health outcomes. In this manner, the Biograph Vision Quadra expands precision medicine.

In addition to the 3.2 mm silicon photomultiplier (SiPM) detector technology and Time of Flight (ToF) performance that are cornerstones of the established Biograph Vision PET/CT scanner, the Biograph Vision Quadra has an extended 106 cm axial field of view (FoV) – four times the PET axial FoV of the Biograph Vision 600. These technological features deliver significantly increased effective sensitivity¹ and enable the clinician to image the average patient dynamically from the top of the head to the thigh in just one position. With the scanner's extended axial FoV, the clinician can examine patient anatomy during radiopharmaceutical uptake over time. The combination of SiPM detectors and extended axial FoV permits more anatomical coverage in one bed position than a standard PET/CT scanner, enabling fast scanning at low patient radiation dose.

"The Biograph Vision Quadra is an order of magnitude more powerful than current state-of-the-art clinical scanners available today¹," said James Williams, Head of the Molecular Imaging business at Siemens Healthineers. "This scanner will open possibilities for the imaging of complex and subtle biological processes that are key to the understanding of both physiology and pathophysiology alike."

The Biograph Vision Quadra can be sited in the same clinical space as traditional PET/CT scanners, so the institution does not need to construct a large new room to house the scanner.

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