

Frimley, UK  
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## Siemens introduces the future of molecular imaging

Siemens Healthcare has launched a new platform with the potential to change how molecular imaging is performed. The Symbia Intevo™ is the world's first xSPECT system. It combines the high sensitivity of single-photon emission computed tomography (SPECT) with the high specificity of CT, completely integrating the data from the two modalities, to generate high resolution and, for the first time, quantitative images<sup>1</sup>. The system demonstrates Siemens' innovation and competitiveness, key components of the Healthcare Sector's Agenda 2013 two-year initiative.

The new Symbia Intevo xSPECT system reconstructs both the SPECT and CT portions of an image into a much higher frame of reference than other systems for precise, accurate alignment facilitating the extraction and deep integration of medically relevant information. This ability is the basis for differentiating between tissue boundaries in bone imaging. With xSPECT Bone clinicians can potentially provide additional support for detection and distinguishing between cancerous lesions and degenerative disorders. The Symbia Intevo's precise alignment of SPECT and CT provides clinicians with essential volumetric information from the CT scan, enabling accurate and consistent quantitative assessment meaning the clinician can apply quantitative information to assess whether a patient's condition has regressed, stabilised or progressed.

The Symbia Intevo uses more CT data than ever before, but Siemens is still able to limit patient dose by offering Combined Applications to Reduce Exposure (CARE). The system uses AUTOFORM collimator, capturing up to 26 more counts, helping boost image acquisition time and patient throughput.

"Siemens Healthcare anticipates the new Symbia Intevo technology will improve the

quality of care, while helping to reduce costs,” states Lawrence Foulsham, Molecular Imaging Product Manager at Siemens Healthcare. “Siemens recognises that these two elements must go hand-in-hand, and with our new molecular imaging solutions, we can demonstrate our commitment to true innovation leadership by overcoming the limitations of conventional SPECT systems to help provide answers to the toughest clinical questions in the safest and most efficient way possible.”

<sup>1</sup>: Pending 510(k) clearance

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**Agenda 2013 – Definition:**

Agenda 2013 is a global initiative to further strengthen Healthcare Sector's innovative power and competitiveness. Four fields of action have been defined: Innovation, Competitiveness, Regional Footprint, and People Development, with specific measures to be implemented over the next year.

The **Siemens Healthcare Sector** is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. Siemens offers its customers products and solutions for the entire range of patient care from a single source – from prevention and early detection to diagnosis, and on to treatment and aftercare. By optimising clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 51,000 employees worldwide and operates around the world. For further information please visit: <http://www.siemens.co.uk/healthcare>.

**Picture caption:**

The Symbia Intevo™ from Siemens Healthcare integrates SPECT and CT enabling a high level of image quality and the ability to differentiate between tissue boundaries in bone imaging.

