Frost & Sullivan Lauds Siemens Healthcare's Unique, Multipurpose Gamma Camera that Sets it Apart from the Competition in the Nuclear Cardiology Market

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MOUNTAIN VIEW, Calif., Dec. 15, 2011 /PRNewswire/ -- Based on its recent analysis of the nuclear cardiology market, Frost & Sullivan recognizes Siemens Healthcare with the 2011 North America Frost & Sullivan Product Differentiation Excellence of the Year Award for its IQ-SPECT, a distinct imaging solution. This product not only offers high-quality imaging by achieving maximum counts, but does so in the quarter amount of time taken by conventional single photon emission computed tomography (SPECT) systems and with less radiation.

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The system features three components that give the product a competitive edge. First, the system's SMARTZOOM collimators focus on the heart, collecting up to four times more counts than conventional, parallel hole collimators. Second, the cardio-centric orbit acquisition ensures that the heart is always in the SMARTZOOM collimator's magnification zone. Third, a proprietary 3D reconstruction algorithm models the position of each of the 48,000 collimator holes on each detector, enabling sophisticated distant-dependent isotropic (3D) resolution recovery, CT-based attenuation correction (when using SPECT-CT) and energy window-based scatter correction.

These features help IQ-SPECT complete a full SPECT scan in as little as four minutes. The system requires only an additional 60 seconds for CT-based attenuation correction and/or calcium scoring.

"When it comes to imaging the pediatric population, this system provides the flexibility to reduce dosage, while at the same time it can also provide more information for bariatric patients," said Frost & Sullivan Industry Analyst Sangeetha Prabakar. "Furthermore, th
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