

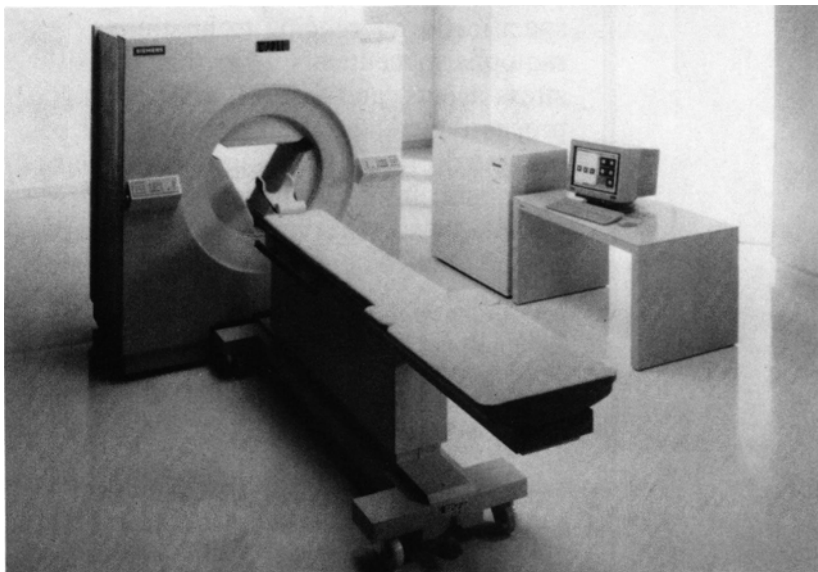
NEW PRODUCTS

■ All Organ SPECT Imaging System

Siemens Medical Systems, Inc. introduces the MULTISPECT 3 System featuring second generation design for all organ SPECT imaging. The system performs all nuclear medicine SPECT procedures, and is particularly well-suited for brain and heart SPECT imaging. It features precise mechanical

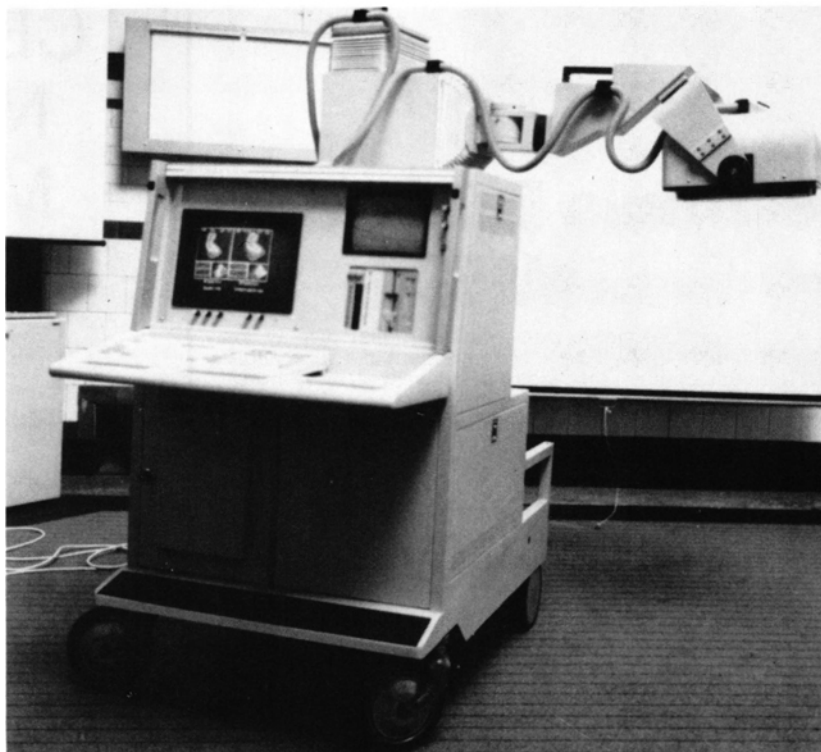
Each description of the products below was condensed from information supplied by the manufacturer. The reviews are published as a service to the professionals working in the field of nuclear medicine and their inclusion herein does not in any way imply an endorsement by the Editorial Board of the Journal of Nuclear Medicine Technology or by The Society of Nuclear Medicine. To receive product information, see p. 24A

detector alignment, accomplished through dual ring gantry support for the detectors, a unique four point detector suspension system, and a bilateral radial detector drive. Superior detector stability and reliability is accomplished through automatic Photomultiplier Tube (PMT) tuning with DIGITRAC utilizing radionuclide energy for reference and 228 pretested PMT's aged for reliability, Bonded Optics ensuring consistent UV light transmission and prevention of PMT decoupling, optical "light shaping" via a proprietary sculptured light pipe maintaining the detector's uniformity independent of radionuclide energy, and detector shielding up to 400 KeV, for all-energy imaging. Clinical studies are obtained with the system's 16" x 12" field of view detectors while maximum patient throughput is achieved with an automated collimator changing and storage system for fast setup, automated body contouring providing a decrease in patient setup time, and cardiofocal collimators, currently pending FDA approval, which increase sensitivity by 2.4 times that of parallel collimators. Siemens Medical Systems, Inc., Nuclear Medicine Division, 2501 Barrington Road, Hoffman Estates, IL 60195. (708) 304-7252.



■ Multi-Wire Gamma Camera

Xenos Medical Systems, Inc.'s new multi-wire proportional counter gamma camera is designed after a proprietary multi-wire proportional detector developed at NASA for nuclear medicine cardiology procedures in space. The system utilizes a multi-wire matrix in a pressurized, xenon-filled chamber to replace the function of the older, commonly used sodium iodide crystal and photo-multiplier tubes. This results in a compact, rugged, and portable imaging device that is five times faster than conventional gamma cameras, yields twice the spatial resolution of conventional gamma cameras, and is three times smaller in size and weight than conventional cameras. In conjunction with the development of the camera, a new radiopharmaceutical, tantalum 178, has also been developed. The development of this new, ultra short half-life isotope ($T_{1/2} = 9.3$ minutes) has resulted in radiation doses equal to 3 to 5 percent that of the pharmaceuticals currently used in cardiology studies. This allows multiple serial studies to be performed safely. It also allows pediatric studies



that were previously impossible to be performed now with safety. Xenos

Medical Systems, 16850 Titan Drive, Houston, TX 77058. (718) 488-8830.