

What's New

Every description of the products below was condensed from information supplied by its 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.

Nuclear Medicine Computer

Medx, Inc. announces the addition of the Medx 750 Nuclear Medicine Computer to their product line, providing a complete range of high performance, low cost diagnostic imaging systems.

The Medx 750 combines a DEC*11 CPU with the RT-11 operating system to provide the fastest processing speed of any nuclear medicine computer. It is compatible with any manufacturer's camera systems. Data storage is provided by a 40MB Winchester disk drive and a floppy drive utilizing 1.2MB, 8" diskettes. Memory is 256KB random access. Additional system features include; dual 9" black and white monitors with 256 shades of gray, dual 8-bit, high-speed statistically linerized A to D converters, dual camera inputs, and a full keyboard with joystick to indicate region of interest. Standard with each system is; all software, installation, a one-year warranty, Medx service support, and complete on-site applications training. Memory and disk expansion options are available.



Software programs are available for a wide range of clinical applications and practice management with emphasis on cardiology studies. Software available specifically for cardiology applications includes; ejection fraction, stress and rest Thallium, gated, Shunt, and wall motion.—Medx, Inc., 1500 Hicks Road, Rolling Meadows, IL 60008.

Circle Reader Service No. 52

Alpha-fetoprotein (AFP) RIA Test Available

Amersham Corporation announces the availability of a simple Alpha-fetoprotein (AFP) RIA kit which has been used internationally to evaluate over 500,000 pregnancies over the last 3½ years. The Amersham AFP kit may be used for amniotic fluid or maternal blood screening (serum or plasma).

The Amersham AFP kit has only 4 pipetting steps. Separation of bound and free fractions is achieved with polyethylene glycol (PEG). Several well-defined clinical studies performed in both Europe and Canada have shown the Amersham AFP kit to be a reliable diagnostic indicator of NTD. Overall C.V.'s range from 4.9 to 7.6%. Recovery studies showed that the Amersham assay is capable of measuring from 98-100% of AFP added to samples. Concentration as low as 2 ng AFP/ml can be detected.

The Amersham AFP is flexible. Data reduction is performed either with the convenient log/logit algorithm or it can be done with a bound (counts-per-minute) vs. concentration curve fit. Kits are available with sufficient components for 100 determinations.—Amersham Corporation, 2636 S. Clearbrook Drive, Arlington Heights, IL 60006.

Circle Reader Service Card No. 51

New AMA Guide For Hospitals On Treating Radiation Injuries

A Guide to the Hospital Management of Injuries Arising from Exposure to or Involving Ionizing Radiation has been published by the American Medical Association's Environmental and Occupational Health Program to help hospitals receive and care for victims of irradiation and radioactive contamination.

The book covers injuries that might occur in the transportation of radioactive material as well as from accidents with unsealed sources of radioactivity at nuclear medicine or research facilities or industrial plants. Calamitous events, such as those involving nuclear power reactors and thermonuclear weapons, are not addressed.

The *Guide* includes a detailed discussion of the composition and duties of the hospital's radiation emergency response team, the layout of a typical

radiation emergency area, and suggested medical equipment and supplies, including environmental and personal radiation monitors.

The *Guide's* section on treatment covers the evaluation and triage of radiation emergency patients; the assay for internal and external radioactive contamination; care and treatment of the patient; and disposition of the patient when the crisis is over. This wealth of information is distilled into a "Radiation Accident Protocol for Emergency Departments" which concludes the section.

Additional sources of information and assistance are presented in a directory of radiation emergency specialists, whole-body counting facilities, and the locations of the United States Department of Energy Regional Coordinating Offices for Radiological Assistance. Also included are a glossary of terms and a selected bibliography of basic references.

A Guide to the Hospital Management of Injuries Arising from Exposure to or Involving Ionizing Radiation, 41 pages, illustrated, paperbound, may be ordered by sending a check or money order for \$9.50 (which includes handling and shipping charges) to—Order Department—OP35, American Medical Association, P.O. Box 10946, Chicago, Illinois 60610.

Circle Reader Service No. 53

Universal Detector Uniformity Correction Device

Nuclear Technologies introduces UFO™ (Uniform Field Operator); the first universal detector uniformity correction device designed exclusively to operate with older scintillation cameras. Because poor uniformity can produce missed diagnoses in the form of false positives, UFO assures diagnostic confidence by eliminating areas of diminished or increased counts. UFO features advanced electronics including a two mega Hertz 280-A microprocessor and a self-diagnostic memory. The unit is available either as a part of Nu Tech's remanufactured gamma cameras or as an upgrade to existing gamma cameras.—Nuclear Technologies, 240 Sargent Drive, P.O. Box 8207, New Haven, CT 06530.

Circle Reader Service No. 55