JNMT Bookshelf

NUCLEAR MEDICINE IN CLINICAL UROLOGY AND NEPHROLOGY

W. Newlon Tauxe and Eva V. Dubovsky, eds, Appleton-Century-Croft, E. Norwalk, Connecticut, 1985, 358 pp, $59.95

This textbook is published in the *Current Practice in Nuclear Medicine* series and contains 17 chapters by 15 contributors. The first few chapters discuss commercially available radiopharmaceuticals for renal studies, dosimetry, and instrumentation for performing nephrologic studies. These chapters form a strong background on the technical details necessary to perform the full spectrum of nuclear medicine renal procedures. The next three chapters provide a complete discussion of glomerular filtration, tubular function, and pathology of the kidneys. Specific chapters are devoted to nuclear medicine techniques for renal imaging, evaluation of urinary obstruction, acute and chronic renal failure, transplant evaluation, DMSA imaging, and cystography. Many areas of current interest, such as Lasix studies, quantitative techniques, scrotal imaging, and studies in renal trauma are included. Each chapter abounds with references, and there are many helpful tables and figures. Particularly interesting is the chapter entitled "Three Approaches to Computer-Assisted Function Studies of the Kidney and Evaluation of Scintigraphic Methods," which compares a comprehensive study using ^{131}I-OIH, GFR determination using ^{99m}Tc-DTPA, and a comparison of methods for GFR determination using ^{99m}Tc-DTPA and the scintillation camera.

This book is a complete compendium of a variety of techniques, interesting studies, and a review of radiopharmaceuticals with a large variety of techniques and their appropriate clinical application. This book would be valuable for a department library where renal studies are performed.

PAUL E. CHRISTIAN, BS, CNMT
University of Utah Health Sciences Center
Salt Lake City, Utah