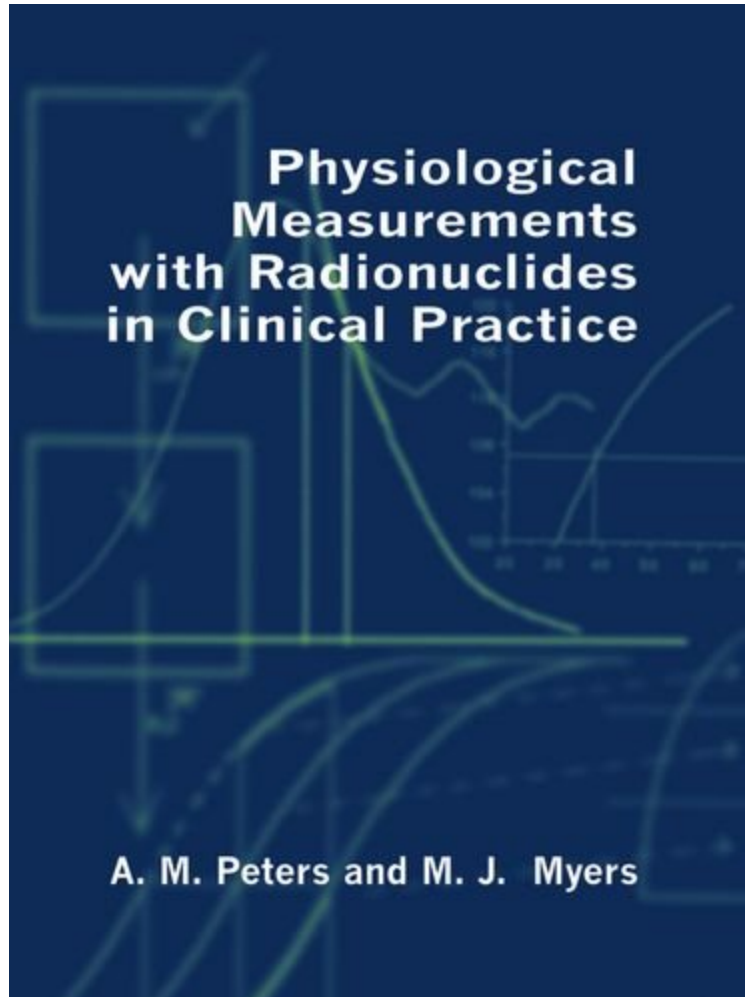


# Physiological Measurements with Radionuclides in Clinical Practice

*A. M. Peters, M. J. Myers*

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As functional imaging continues to inform everyday clinical practice, clinicians need to know more about the quantitative aspects of physiology and pathophysiology. Presented in accessible language, this book integrates the principles and mathematics of measurement with physiological systems to which the quantitative problems are applied. The book discusses the related basic mathematics, the measurement of blood flow, peripheral circulation and microvascular solute transfer, pharmacokinetics routinely used in nuclear medicine, as well as scintillation detectors,

data-processing and quantification. Measurement in the heart, lung, gastro-intestinal tract, liver, spleen, genitourinary tract and brain are discussed.