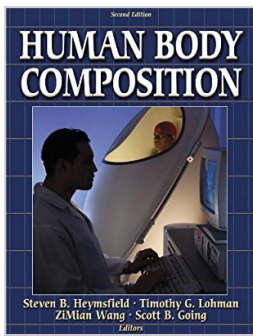


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Human Body Composition - 2nd Edition

By Steven Heymsfield, Timothy Lohman, Zi-Mian Wang, Scott Going

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Human Body Composition - 2nd Edition By Steven Heymsfield, Timothy Lohman, Zi-Mian Wang, Scott Going

The new edition of *Human Body Composition* is the most complete text in the burgeoning field of body composition research. The book covers the full range of methods to assess body composition, including dual-energy X-ray absorptiometry, electrical impedance, and imaging techniques. Maintaining the focus of the first edition as a definitive research guide, this resource incorporates updated information on methods and topics of biological importance.

This thoroughly revised reference includes new material on

- molecular genetics;
- energy expenditure;
- body composition as related to various pathological states including cancer, inflammatory diseases, and illnesses associated with HIV; and
- animal body composition.

The information is presented in five logical parts along with an appendix for easy comprehension of the material. Part I presents an introduction to the field and sets the tone for the ensuing chapters. Part II provides an extensive review of the available body composition methods, including measurement cost, safety, and practicality. Part III features reviews on specific body composition components of widespread interest, adipose tissue and skeletal muscle, along with a review of body composition models. Part IV covers the biological influences on body composition such as age, ethnicity, and gender. Part V outlines pathological states related to body composition, including morbidity-mortality links.

Human Body Composition, Second Edition, provides a comprehensive account of the science behind human body composition methods. Filled with reliable and accurate information, it is an essential tool and an indispensable reference for exercise science researchers, practitioners, and graduate students who are

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“...provides a comprehensive reference on body composition measurements and on the scope of influence on physiology and pathology related to body composition.”

Journal of Dance, Medicine & Science (review of the first edition)

“...indispensable for exercise science researchers and graduate students who want to use the methods described in the book and fully understand the literature based on these methods.”

Rivista di Antropologia (review of the first edition)

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