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Titolo	Women's Health and Biomechanics : Where Medicine and Engineering Meet // edited by Sofia Brandão, Thuane Da Roza, Isabel Ramos, Teresa Mascarenhas
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ISBN	3-319-71574-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (239 pages) : illustrations (some color)
Collana	Lecture Notes in Computational Vision and Biomechanics, , 2212-9391 ; ; 29
Disciplina	613.04244
Soggetti	Mechanics Mechanics, Applied Mechanical engineering Biomedical engineering Radiology Gynecology Sports medicine Solid Mechanics Mechanical Engineering Biomedical Engineering and Bioengineering Imaging / Radiology Gynecology Sports Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Improving Women´s Health via the Bio-Psycho-Social Model -- Section 1: The Young Women -- Sports and UI -- Pelvic Floor Evaluation in Sports -- Diagnostic Devices -- Section 2: The Reproductive Period of Women´s Life -- Pregnancy and Ergonomics -- The changes in Biomechanics due to Pregnancy and Parity -- Ultrasound Imaging Assessment of diastasis recti -- Biomechanical Analysis of the Damage in the Pelvic Floor Muscles During Childbirth -- Breast Imaging: from

Morphology to Tissue Structure -- The Effects of Mastectomy and Reconstruction on Body Posture and Biomechanics -- The Role of Physiotherapy in Women with Breast Cancer -- Breast Implants: Far Beyond Just Aesthetic Surgery -- The Female Pelvic Floor (Dysfunction): from Clinical Practice to Biomechanics -- Imaging Female Pelvic Floor Dysfunction -- Section 3: The Older Women -- Searching for Biomechanical Tissue Properties in Pelvic Floor Dysfunction by Computational Modeling -- Pelvic Floor Dysfunction / Urinary Incontinence: Rehabilitation Treatments and the Improvement in Quality-of-Life -- The Role of Ultrasound Imaging of Musculotendinous Structures in the Elderly Population -- Mental Health and Physical Activity. .

Sommario/riassunto

This book focuses on particular mental and physical aspects of women's health, presenting topics concerning the pelvis and pelvic floor dysfunction and the breast during a woman's life, such as rehabilitation for pelvic and breast disorders, and the benefits of biomechanical analysis in treating these conditions. With each chapter providing a brief survey of a major research area related to the theme, the book offers an integrated overview of topics such as the bio-psycho-social model of women's health, pelvic floor evaluation in sports, the breast, pregnancy and delivery. It is a valuable resource for a wide range of readers, including researchers, graduates and professionals. .
