

WEBINAR

# Why should we care about low back pain?

Global trends and perspectives

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# New Perspectives On Low Back Pain

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**Electromyography In Ergonomics** Shrawan Kumar, A. Mital, 1996-03-20 Electromyography EMG is the study of muscle behaviour via electronic means and is thus a technique fundamental to ergonomics physiology and biomechanics This text describes the principles of EMG and its application domains focusing on anatomy biology muscle characteristics physics mechanics EMG signal noise artifacts errors equipment devices techniques interpretation and computerised data acquisition and analysis The book provides a theoretical base a strategic framework and user experiences      *New Perspectives on Applied Industrial Tools and Techniques* Jorge Luis García-Alcaraz, Giner Alor-Hernández, Aidé Aracely Maldonado-Macías, Cuauhtémoc Sánchez-Ramírez, 2017-06-15 This book disseminates the current trends among innovative and high quality research regarding the implementation of conceptual frameworks strategies techniques methodologies

informatics platforms and models for developing advanced industrial tools and techniques and their application in different fields It presents a collection of theoretical real world and original research works in the field of applied industrial tools and techniques The text goes beyond the state of the art in the field of industrial and software engineering listing successful applications and use cases of studies of new approaches applications methods techniques for developing advanced industrial tools methodologies and techniques and their application in different fields The topics covered in this book are of interest to academics researchers students stakeholders and consultants      *Orthopedic Physical Assessment - E-Book* David J.

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**Managing Low Back Pain** W. H. Kirkaldy-Willis, Thomas N. Bernard, 1999 Presenting the 4th edition of this excellent text with the expertise of 19 leading specialists representing the fields of orthopedic surgery neurosurgery osteopathy physical therapy and chiropractic These authorities bring you comprehensive multidisciplinary guidance on low back pain diagnosis prevention and education And they detail the best of today's surgical treatment approaches as well as the most effective manual manipulation methods     Biomechanics of the Spine Vijay K. Goel, James N. Weinstein, 1990 Chronic low back pain is the focus of this book Presented in a systematic manner this work reviews epidemiological studies which have shown that various mechanical factors play a significant role in the onset of chronic low back pain To provide you with a better understanding of the information in these chapters ample illustrations and tables are included At the end of each chapter the reader is directed to even further in depth information It is the intent of the authors that this writing will promote further biomechanical research Written in an instructional format this text is ideal for training bioengineering and medical students This volume is also of practical value to practicing surgeons and scientists who are interested in seeking solutions to the low back pain problem     **Current Topics in Occupational Health** Ole Svane, T. C. Aw, Vagn H.

Madsen, 1996 Recog 1 Work related musculo skeletal disorders and low back pain 2 Microbiological hazards of solid waste and sewage handling 3 Indoor Air 4 Pesticides Occupational and environmental health risks 5 Stress at work 6 Work related premature incapacity and disease experiences from two European countries 7 Occupational hazards to human reproduction 8 Scientific basis for prevention     **The Journal of Orthopaedic and Sports Physical Therapy**, 1990     **Back Pain**

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**Kinesiology** Carol A. Oatis, 2004 Kinesiology is a comprehensive textbook on kinesiology or the study of movement Chapters are organized by body region and each includes a review of functional anatomy and biomechanics with application and discussion of locomotion and pathokinesiology Designed for physical therapy occupational therapy exercise physiology and any other area that studies kinesiology Instructors There are free online instructor and student resources on the book's

companion Website For more information and to request your review copy click here      **Clinical Assessment of Neuromusculoskeletal Disorders** Gary M. Greenstein, 1997 This valuable new text provides up to date information on the basic science of the neuromusculoskeletal system and its relevance to diagnosis through an innovative case study problem solving approach It contains 26 actual cases that present a variety of conditions and disorders commonly seen in practice ranging from multiple sclerosis to carpal tunnel syndrome      **Low Back Pain** , 1998      **The Practice of Minimally Invasive Spinal Technique** , 2000

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