## Contents

### Part I  The Most Common Occupational Musculoskeletal Pain and Disability Disorders

1  **Occupational Musculoskeletal Pain and Disability Disorders: An Overview** ............................... 3  
   Robert J. Gatchel, Nancy D. Kishino, and Alan M. Strizak

2  **Back Pain** ........................................................................................................ 19  
   Andrew R. Block and Jessica Shellock

3  **Cervical Pain** ..................................................................................................... 35  
   John C. Alexander, Humair Rana, and William Epps

4  **Upper Extremity Pain** ..................................................................................... 55  
   Jean-Sébastien Roy, Kadija Perreault, and François Desmeules

5  **Lower Extremity Pain** ..................................................................................... 81  
   Krista Howard, David March, Haseeb Ikram, Jenna Lorentsen, and Jeffrey Howard

6  **Chronic Widespread Pain and Fibromyalgia Syndrome** ............ 101  
   Akiko Okifuji and Bradford D. Hare

7  **The Problem of Whiplash Injuries: Aetiology, Assessment and Treatment** .................. 121  
   Michele Sterling

8  **New Trends of Musculoskeletal Disorders in the Military** ....... 143  
   Cindy A. McGeary and Donald D. McGeary

### Part II  Conceptual and Methodological Issues

9  **Search Engines and Resources Available to Obtain the Latest Incidence and Cost Data for Occupational Pain and Disability Disorders** .......................... 161  
   Brian R. Theodore

10 **Epidemiology of Musculoskeletal Disorders and Workplace Factors** ........................................ 175  
    J. Mark Melhorn
11 From Acute Pain to Chronic Disability: Psychosocial Processes in the Development of Chronic Musculoskeletal Pain and Disability .......................... 205
K. Boersma, J. Carstens-Söderstrand, and S.J. Linton

12 Psychosocial and Psychiatric Sequelae of Chronic Musculoskeletal Pain and Disability Disorders ............................................. 219
Robert J. Gatchel and Angela Liegey Dougall

13 Pre-employment and Preplacement Screening for Workers to Prevent Occupational Musculoskeletal Disorders ............................................ 235
Matthew T. Knauf, Sali R. Asih, and Glenn Pransky

14 Disability and Impairment in Medicolegal Settings: Pain Disability Controversies .................................................. 251
Izabela Z. Schultz and Catherine M. Chlebak

15 Workers’ Compensation and Other Disability Insurance Systems Involved in Occupational Musculoskeletal Disorders .................................. 273
Richard C. Robinson and John P. Garofalo

16 Approaches to the Quantitative Physical and Functional Capacity Assessment of Occupational Musculoskeletal Disorders ................................ 287
Samuel M. Bierner

17 Current American Medical Association Guidelines for Evaluating Musculoskeletal Impairment at Maximum Medical Improvement ........................ 301
Robert Rondinelli and Mohammed Ranavaya

Part III Intervention Approaches and Techniques

18 Traditional Medical Intervention Approaches to Musculoskeletal Disorders: A Review .................................................. 319
Stephanie Jones

19 The Biopsychosocial Approach to the Assessment and Intervention for People with Musculoskeletal Disorders ........................................ 341
Dennis C. Turk

20 The Interdisciplinary Treatment Approach for Chronic Pain Management: The Key Components for Success ........................................... 365
Ben Lippe and Peter B. Polatin
21 Early Intervention to Prevent the Development of Chronic Musculoskeletal Pain Disorders and Disability ................................................................. 379
Robert J. Gatchel, Nancy D. Kishino, and Izabela Z. Schultz

22 A Review of Self-Management Support for (Work-Related) Musculoskeletal Pain Disorders ................. 395
Niki Ellis, Dianne M. Sheppard, Malcolm Battersby, and Fiona J. Clay

23 Work Accommodation in Musculoskeletal Disorders: Current Challenges and Future Directions in Research and Practice ................................................................. 417
Hanah C. Kwan and Izabela Z. Schultz

24 Models of Return to Work for Musculoskeletal Disorders: Advances in Conceptualization and Research ........... 431
Matthew T. Knauf, Izabela Z. Schultz, Alison M. Stewart, and Robert J. Gatchel

25 Vocational Assessment and Training for Patients with Chronic Occupational Musculoskeletal Disorders .......... 453
Kelly Chapman, Robert Lisson, and Ben Haynes

26 Real-Effectiveness Medicine in Musculoskeletal Disorders ...... 471
Antti O.V. Malmivaara

27 Future Research Directions for Preventing and Treating Occupational Musculoskeletal Disorders .......... 485
Robert J. Gatchel and Izabela Z. Schultz

Index ........................................................................................................ 499
Handbook of Musculoskeletal Pain and Disability Disorders in the Workplace
Gatchel, R.J.; Schultz, I.Z. (Eds.)
2014, XVI, 509 p. 46 illus., 20 illus. in color., Hardcover
ISBN: 978-1-4939-0611-6