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
<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>Early Intervention to Prevent the Development of Chronic Musculoskeletal Pain Disorders and Disability</td>
<td>379</td>
</tr>
<tr>
<td></td>
<td>Robert J. Gatchel, Nancy D. Kishino, and Izabela Z. Schultz</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>A Review of Self-Management Support for (Work-Related) Musculoskeletal Pain Disorders</td>
<td>395</td>
</tr>
<tr>
<td></td>
<td>Niki Ellis, Dianne M. Sheppard, Malcolm Battersby, and Fiona J. Clay</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Work Accommodation in Musculoskeletal Disorders: Current Challenges and Future Directions in Research and Practice</td>
<td>417</td>
</tr>
<tr>
<td></td>
<td>Hanah C. Kwan and Izabela Z. Schultz</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Models of Return to Work for Musculoskeletal Disorders: Advances in Conceptualization and Research</td>
<td>431</td>
</tr>
<tr>
<td></td>
<td>Matthew T. Knauf, Izabela Z. Schultz, Alison M. Stewart, and Robert J. Gatchel</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Vocational Assessment and Training for Patients with Chronic Occupational Musculoskeletal Disorders</td>
<td>453</td>
</tr>
<tr>
<td></td>
<td>Kelly Chapman, Robert Lisson, and Ben Haynes</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Real-Effectiveness Medicine in Musculoskeletal Disorders</td>
<td>471</td>
</tr>
<tr>
<td></td>
<td>Antti O.V. Malmivaara</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Future Research Directions for Preventing and Treating Occupational Musculoskeletal Disorders</td>
<td>485</td>
</tr>
<tr>
<td></td>
<td>Robert J. Gatchel and Izabela Z. Schultz</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Index</td>
<td>499</td>
</tr>
</tbody>
</table>
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