Contents

Contributors vii

I CARDIORESPIRATORY 03

1 Physiotherapy and the Adult with Non-Cystic Fibrosis Bronchiectasis 05
   Jennifer A. Pryor

2 Coordinated Management of a Patient in ICU with Cardiorespiratory Failure 17
   Elizabeth Dean

II SURGICAL 41

3 Abdominal Surgery: The Evidence for Physiotherapy Intervention 43
   Linda Denehy and Laura Browning

III NEUROLOGICAL 75

4 Practice and Feedback for Training Reach-to-Grasp in a Patient with Stroke 77
   Paulette M. Van Vliet and Katherine Durham

5 Improving Walking After Stroke Using a Treadmill 108
   Louise Ada and Catherine M. Dean

6 Treatment of the Upper Limb Following Stroke: A Critical Evaluation of Constraint Induced Movement Therapy 124
   Martine Nadler
CONTENTS

IV PAIN MANAGEMENT 133

7.1 An Introduction to Current Concepts of Pain 135
    Lester Jones

7.2 Non-Specific Arm Pain 142
    Lester Jones

7.3 Recurrent Lumbar Pain after Failed Spinal Surgery 159
    Lester Jones and Audrey Wang

V MUSCULOSKELETAL 181

8 Evidence for Exercise and Self-Management Interventions for Lower Limb Osteoarthritis 183
    Nicola Walsh

9 Using Evidence-Based Practice for Upper Extremity Musculoskeletal Disorders 202
    Joy C. MacDermid

VI ORTHOPAEDIC 223

10 Physiotherapy Rehabilitation Following Primary Total Knee Arthroplasty 225
    Justine Naylor, Alison Harmer and Richard Walker

Index 251