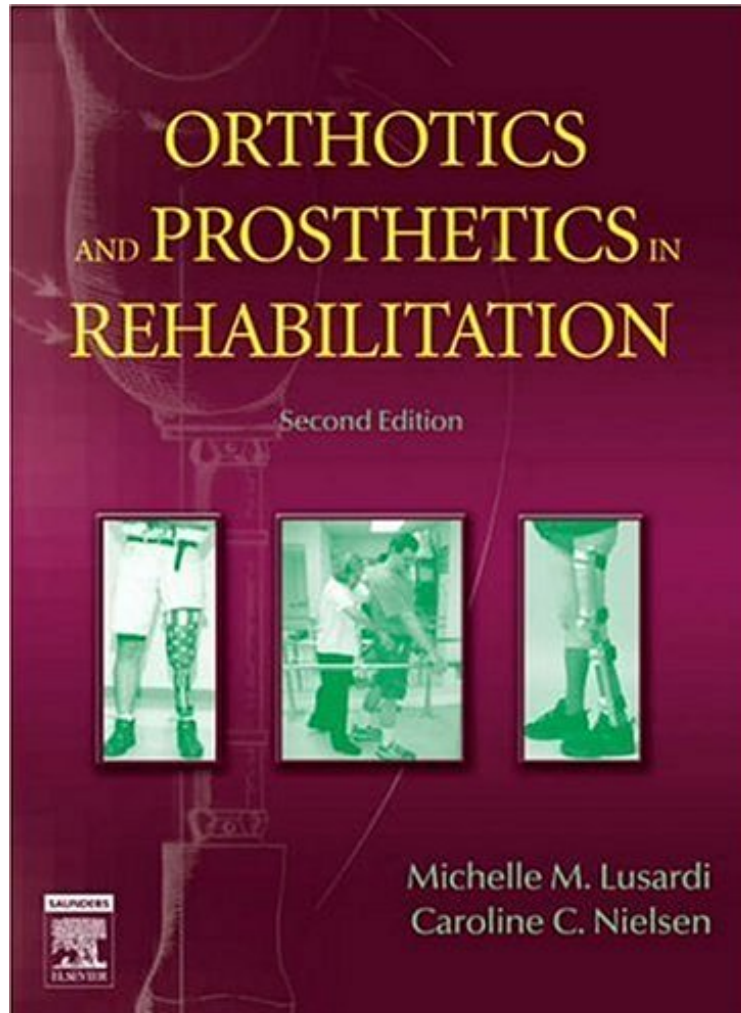


## Orthotics and Prosthetics in Rehabilitation, 2e

Michelle M. Lusardi PhD PT, Caroline C. Nielsen PhD

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The most comprehensive physical therapy text available on this topic, Orthotics and Prosthetics in Rehabilitation, 2nd Edition provides clinically relevant information in a reader-friendly format. It provides essential information about

orthotic/prosthetic prescription and fabrication to give readers a foundation for gait assessment, both pre- and post-intervention. Separate chapters cover each type of orthotic followed by clinical applications for typical and special populations, while the section on prosthetics provides an overview of the epidemiology of amputation and the criteria the physical therapist needs in order to determine the necessity for prosthetic limbs. Instructor resources available; contact your sales representative for details. Includes guidelines for pre-prosthetic training programs Presents case vignettes as models of evidence-based practice and clinical decision making Uses a multidisciplinary approach to demonstrate how physical therapists can best work with the rest of the health care team References the Guide to Physical Therapist Practice, 2nd Edition to keep readers up to date with the recognized standard in the field Coverage of the latest equipment and technology helps readers understand current options for their patients Additional case studies show the application of various situations leading to amputation New information on the WHO disablement model, showing how it applies to orthotics and prosthetics New chapters on orthotics in the management of neuromuscular impairment, orthotics in the management of musculoskeletal impairment, adaptive seating (unique!), and advanced training and athletics for persons with lower extremity amputation

"...opens the door to optimum clinical care, [in] the hospital, rehabilitation center, long-term care facility, or the home." -- From the Foreword by Joan E. Edelstein, M.A., P.T. From the Publisher Up-to-date and authoritative, this text covers orthotics and prosthetics in one comprehensive and cohesive source. Whether you are a student or clinician, if you work with patients with neuromuscular and musculoskeletal impairments, you will appreciate the lucid writing and practical applications this book provides. Organized from a functional, rather than a technical, perspective, this text supplies a strong foundational understanding of the field of orthotics and prosthetics that will give you the critical skills you need when working with this unique client population. Coverage includes comprehensive gait analysis, consideration of energy expenditure, and age-related changes in cardiopulmonary and cardiovascular systems. Consideration of orthotic design and pre-orthotic assessment is followed by descriptions of each major type of lower extremity and spinal orthoses. Special topics include footwear, burn care, fracture management, and upper extremity splinting. The prosthetic section considers the etiology of amputation, care of patients with neuropathy and vascular compromise, and a review of pre-amputation assessment and amputation surgeries. The combination of practical clinical advice, expert authors, and meticulous attention to detail will make Orthotics and Prosthetics in Rehabilitation the text of choice for the classroom or clinical practice setting. About the Author Michelle M. Lusardi, PhD, PT, Associate Professor of Physical Therapy, Sacred Heart University, Fairfield, CT; and Caroline C. Nielsen, PhD