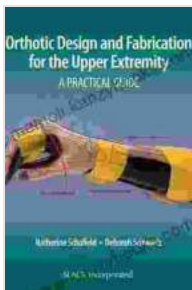


# Orthotic Design and Fabrication for the Upper Extremity: A Comprehensive Guide to Upper Limb Orthotics

Orthotic design and fabrication for the upper extremity is a complex and specialized field that requires a thorough understanding of anatomy, biomechanics, and materials science. Orthotists who specialize in upper extremity orthotics are responsible for designing and fabricating custom-made orthoses that help patients to improve their function, mobility, and quality of life.



## Orthotic Design and Fabrication for the Upper Extremity: A Practical Guide by Franco Columbu

★★★★★ 5 out of 5

Language : English  
File size : 10702 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 697 pages



This comprehensive guide to upper limb orthotics covers everything you need to know about the design and fabrication of upper extremity orthoses, from basic principles to advanced techniques. The book is divided into three parts:

\* \*\*Part 1: Basic Principles of Upper Extremity Orthotics\*\* \* \*\*Part 2: Design of Upper Extremity Orthoses\*\* \* \*\*Part 3: Fabrication of Upper Extremity

Orthoses\*\*

## **Part 1: Basic Principles of Upper Extremity Orthotics**

Part 1 of the book provides an overview of the basic principles of upper extremity orthotics. This section covers topics such as:

\* The anatomy of the upper extremity \* The biomechanics of the upper extremity \* The materials used in upper extremity orthotics \* The principles of orthotic design

## **Part 2: Design of Upper Extremity Orthoses**

Part 2 of the book covers the design of upper extremity orthoses. This section covers topics such as:

\* The different types of upper extremity orthoses \* The indications for upper extremity orthoses \* The assessment of patients for upper extremity orthoses \* The design of custom-made upper extremity orthoses

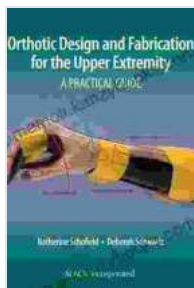
## **Part 3: Fabrication of Upper Extremity Orthoses**

Part 3 of the book covers the fabrication of upper extremity orthoses. This section covers topics such as:

\* The different methods of fabricating upper extremity orthoses \* The materials used in the fabrication of upper extremity orthoses \* The quality control of upper extremity orthoses

Orthotic Design and Fabrication for the Upper Extremity is a comprehensive guide to the design and fabrication of upper limb orthotics. This book is a valuable resource for orthotists, prosthetists, and other

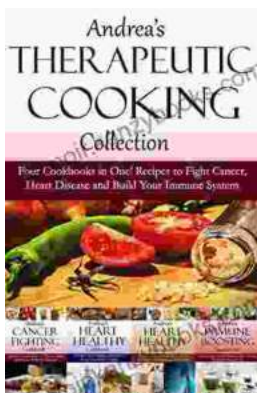
healthcare professionals who work with patients with upper extremity disabilities.



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