Lower Extremity Biomechanics: Theory and Practice (Volume 1)

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“Walking is a man's best medicine”

Hippocrates

Like many professions, podiatric medicine is changing to meet the demands of clinical practice in the 21st century. Understanding lower extremity function and its contribution to normal gait and posture plays a key role within the field of podiatric medicine. Lower Extremity Biomechanics: Theory and Practice has been designed to acknowledge the contributions of Dr Merton Root, DPM and to emphasize emerging concepts.

It will stimulate thought and inquiry and addresses alternative approaches to understanding lower extremity biomechanics. These include the Tensegrity and Mathematical (geometric) models, as well as the role of robotic and prosthetic gait theories.

One of the major goals of Albert and Curran is to ensure Volumes 1 and 2 provide an intimate relationship between clinical and theoretical practice. The editors are joined by a renowned group of authors who also share a vision of integrated theory into practice, as well as a passion for scholarship.
It has been many decades since the practitioners of lower extremity biomechanics have had a textbook that explores misconceptions, up-to-date thoughts and stimulates discussion of alternatives beyond the subtalar joint neutral theory of Root. No other book before has reviewed such state-of-the-art biomechanics and provided a clear guide to its rather scattered literature. The book provides a testament of where we have come from, where we are now and what the future of biomechanical theories may bring.

Volume 1 Contents

<table>
<thead>
<tr>
<th>Introduction</th>
<th>Eric Lee</th>
</tr>
</thead>
</table>

**SECTION 1: FUNDAMENTAL CONCEPTS**

**Chapter 1**

Physics, Functional Anatomy and Biomechanical Principals of Gait  
Roy Lidtke

**Chapter 2**

The Biomechanical Exam  
Beth Jarrett

**Chapter 3**

Bipedal Evolution, the Gait Cycle and Instrumented Analysis  
Stephen F. Albert, Sarah A. Curran

**SECTION 2: THEORETICAL CONCEPTS**

**Chapter 4**

A Theoretical Overview  
Stephen F. Albert, Sarah A. Curran

**Chapter 5**

Root Theory Past and Present  
Daryl Phillips

**Chapter 6**

Tissue Stress and Subtalar Joint Axis Theory  
Eric Fuller, Kevin A. Kirby

**Chapter 7**

Classification and Treatment of Congenital Sagittal Plane Foot Deformity  
Ken A. Whitney

**Chapter 8**

Sagittal Plane Facilitation of Motion Theory and Associated Pathologies  
Sarah A. Curran

- Updates key concepts and current understanding of foot biomechanics
- Clarifies a subject that many have found confusing
- Discusses theory and its application in practice and touches on the fundamentals
- Written from a perspective of evidence-based-medicine
- Well illustrated with photographs, line diagrams, tables and graphs
- Boxes with editor’s comments and clinical and theoretical concepts are used throughout
- Written for the Podiatry profession, but will appeal to others (i.e. Physical Therapy)
- Useful for students, clinicians, interns and residents
- Covers adult and pediatric assessment and management
- Includes contributions from experienced clinicians who are up-to-date with the latest developments in the field
- Volume 1 presents the fundamentals and theory. Volume 2 concentrates on the practical applications
- Well referenced for further study

**Register your interest:**

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