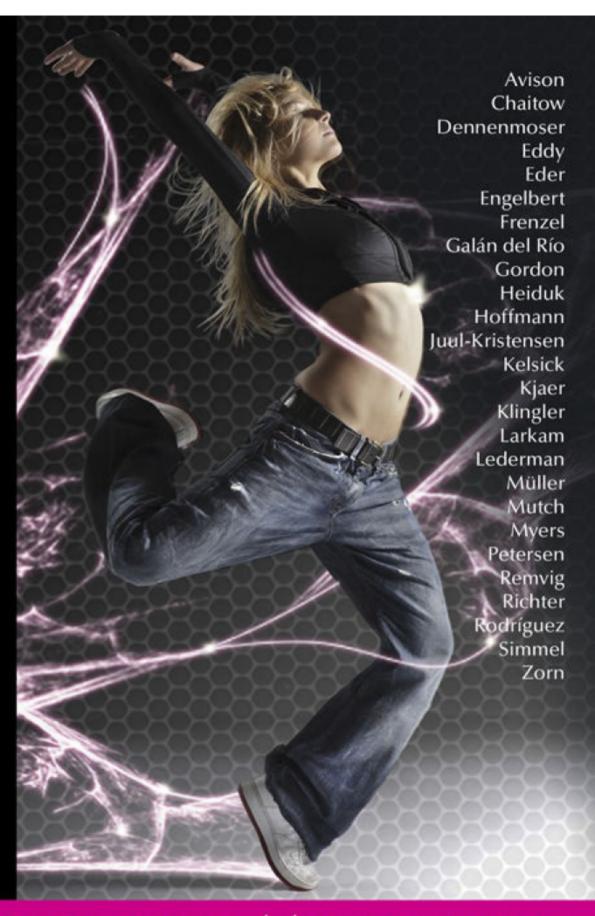


FASCIA



IN SPORT AND MOVEMENT

Editor Robert Schleip Assistant Editor Amanda Baker Foreword by Thomas W Findley

CONTENTS

Foreword

Preface

Contributors

Section 1 Theory

- 1 Fascia as a body-wide tensional network: Anatomy, biomechanics and physiology - Robert Schleip
- 2 Myofascial force transmission Stephen Mutch
- 3 Physiology and biochemistry Werner Klingler
- 4 Fascia as sensory organ Robert Schleip
- 5 Stress loading and matrix remodeling in tendon and skeletal muscle: Cellular mechano-stimulation and tissue remodeling - Michael Kjaer
- 6 Anatomy trains in motion Thomas Myers
- 7 Purposeful movements as a result of coordinated myofascial chain activity, represented by the models of Kurt Tittel and Leopold Busquet *Philipp Richter*
- 8 Hyper- and hypomobility of the joints: Consequences for function, activities and participation Lars Remvig, Birgit Juul-Kristensen and Raoul Engelbert
- 9 Human movement performance: Stretching misconceptions and future trends -Eval Lederman
- 10 Fascial tissues in motion: Elastic storage and recoil dynamics Robert Schleip

Section 2 Clinical application

- 11 Fascial Fitness -Robert Schleip and Divo Müller
- 12 Fascial form in yoga Joanne Avison
- 13 Fascia oriented Pilates training Elizabeth Larkam
- 14 Training fascia in GYROTONIC® methodology Stefan Dennenmoser
- 15 How to train fascia in dance Liane Simmel
- 16 The secret of fascia in the martial arts Sol Petersen
- 17 Elastic walking Adjo Zorn

- 18 Functional training methods for the runner's fascia Wilbour Kelsick
- 19 Understanding mechano-adaptation of fascial tissues: Application to sports medicine *Raúl Martínez Rodríguez and Fernando Galán del Río*
- 20 How to train fascia in football coaching Klaus Eder and Helmut Hoffmann
- 21 Athletic coaching Stephen Mutch
- 22 Plyometric training: Basic principles for competitive athletes and modern Ninja warriors *Robert Heiduk*
- 23 Kettlebells and clubbells Donna Eddy
- 24 Assessment technologies: From ultrasound and myometry to bio-impedance and motion sensors - Christopher Gordon, Piroska Frenzel and Robert Schleip
- 25 Palpation and functional assessment methods for fascia-related dysfunction -Leon Chaitow

Index