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Altri autori (Persone)	MorrisChristopher <1966 January 5-> DiasLuciano S
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Nota di contenuto	CONTENTS; AUTHORS' APPOINTMENTS; FOREWORD; 1 INTRODUCTION Christopher Morris; Terminology; References; 2 BIOMECHANICAL PRINCIPLES Christopher Morris; Forces and vectors; Reaction forces; Stress and strain; Stiffness and strength; Strength; Bending; Pressure; Friction; Further reading; 3 ASSESSMENT Christopher Morris, Nicholas Gryfakis, Michael El-Shammaa and Luciano Dias; Supply process; Gait analysis; Measuring outcomes; References; 4 MATERIALS, COMPONENTS AND FABRICATION Christopher Morris; Overview of fabrication; Materials; Components; 5 UPPER-LIMB ORTHOSES Nicole Parent-Weiss Hand orthoses (HdOs)Wrist-hand orthoses (WHOs); Elbow orthosis (EO); Humeral orthoses; Shoulder-elbow-wrist-hand-orthosis (SEWHO); References; 6 LOWER-LIMB ORTHOSES Christopher Morris; Foot orthoses (FOs); Ankle-foot orthoses (AFOs); Knee orthoses (KOs); Knee-ankle-foot orthoses (KAFOs); Hip-knee-ankle-foot orthoses (HKAFOs); Hip orthoses (HpOs); References; 7 CONGENITAL DEFORMITIES Christopher Morris and Luciano Dias; Metatarsus adductus; Talipes equinovarus; Vertical talus; Talipes calcaneovalgus; Tibial pseudarthrosis; Developmental dysplasia of the hip; Arthrogryposis multiplex congenita Osteogenesis imperfectaDown syndrome; Marfan syndrome; Other syndromes; References; 8 CONDITIONS ARISING IN CHILDHOOD Christopher Morris and Luciano Dias; Pes planovalgus; Hallux valgus;

Accessory navicular; Sever's disease; Toe-walking; In- and out-toeing; Tibial varum and Blount's disease; Knee pain and instability; Legg-Calve-Perthes disease; Leg-length discrepancy; Juvenile idiopathic arthritis; Haemophilia; References; 9 CEREBRAL PALSY Christopher Morris; Treatment goals; Assessment; GMFCS levels I, II and III; GMFCS levels IV and V; Summary; References  
10 MUSCULAR DYSTROPHIES, SPINAL MUSCULAR ATROPHIES AND PERIPHERAL NEUROPATHIES Nicola Thompson, Stephen Porter and Christopher Morris Duchenne muscular dystrophy; Becker muscular dystrophy; Spinal muscular atrophy; Congenital muscular dystrophy; Hereditary motor and sensory neuropathies (HMSN); Conclusions; References; 11 MYELOMENINGOCELE Brigid Driscoll, Robert Novak and Luciano Dias; Early management; Thoracic and high lumbar level; Low-lumbar level; High sacral level; Low sacral level; Scoliosis/kyphosis; Night orthotic management; Education, and care of orthoses; Summary; References  
12 IDIOPATHIC SCOLIOSIS Paul Horwood Types of orthosis; Conclusion; References; 13 PROTECTIVE AND CORRECTIVE HEADWEAR Sheila Kellner and Trevor da Silva; Protective headwear; Corrective headware; References; INDEX

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Sommario/riassunto

Covering the orthotic management of children: fundamental principles, including biomechanics, clinical assessment methods, and materials. There are condition-specific chapters e.g. neuromuscular conditions such as cerebral palsy, myelomeningocele and muscular dystrophy; and also congenital deformities and conditions arising in childhood.

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