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Descrizione fisica	1 online resource (1503 illus., 914 illus. in color. eReference.)
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Soggetti	Cerebral palsied children - Rehabilitation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Child, The Parent and the Goal -- Prematurity -- Congenital malformation -- Infections -- Congenital Metabolic -- In utero Stroke -- Problem during delivery -- Post natal encephalopathy -- Over-view of the past 50 Years -- American experience -- European Experience -- Asian experience -- African experience -- Physical pathology -- Current Imaging -PET -- Muscle changes at the cellular level -- Gross Anatomic Muscle changes in CP -- Neuro-motor junction changes -- Bone Alterations in CP -- Over view of when and how to evaluate -- Who should get Imaging -- Indications for metabolic work up -- Indications for full genetic work up -- Prognosis assessment - role of PE -Pathologic Reflexes -- Classification Terminology -- Over view of Normal Natural history -- The Irritable Child with CP -- Pain in The Non-communicative Patient -- Post-operative Pain Management -- Seizures - Diagnosis, Natural History -- Seizures - Medical Management -- Seizures - Ketogenic Diet - Indication and Description -- Seizures - Role of VNS -- Seizures - Role of Surgical Removal -- Seizure Surgery - Workup and technique Description -- Pseudo-seizures - Diagnosis and Treatment -- Hydrocephalus Diagnosis and treatment indications -- Shunting for Hydrocephalus -- Surgical Ventriculostomy for Hydrocephalus -- Attention Deficient associated with CP -- Autism and CP as Comorbidities -- Family Stress Secondary to Disability -- Impact on Siblings -- Depression associated with CP -- Mood disorders (Bipolar and CP) -- Thought disorder and CP -- Overview and natural of feeding issues with growth and development

-- Aspiration - risks, work up, when is it a problem -- Gastrostomy feeding - when indicated -- Tracheostomy or diversion - When indicated and how done -- Weight and growth in the child with CP -- Feeding Therapy - Indications how long -- GE reflux - Work up and medical Management -- GE Reflux - Work up and Surgical Management -- Poor Intestinal Motility -- Constipation - Implications long term and treatment -- Toilet training and bladder control -- Neurogenic Bladder -- Renal stones - risks, prevention and management -- Undescended Testicles -- Drooling - diagnosis, measurement and medical management -- Drooling - management with local injections - Botulinum -- Drooling - Surgical treatment options and outcomes -- Hearing Evaluation - When and How -- Cochlear Implant Indication and role in CP -- Upper Airway Obstruction - Indication for adenoid and tonsillectomy -- Bronchopulmonary Dysplasia - Natural History, etiology and outcome -- Bronchopulmonary Dysplasia - Medical management -- Reactive airways - Chronic aspiration -- Airway obstruction - Work up and medical management -- Airway obstruction - Indication and options for surgical management -- Pituitary-hypothalamic dysfunction -- Adrenal insufficiency -- Short Stature - Work up and treatment indications -- Pillow angel treatment - indication ethics approach -- Glucose intolerance due to intramuscular fat -- Premature or Delayed Sexual Maturation -- Testing Sight - how when and the outcome -- Strabismus -- Cortical blindness -- Routine hygiene, When and how for child with CP -- Dental Caries - When to treat, how often to check outcome -- Gum Hypertrophy - etiology, and management and outcome -- Malocclusions - when to treat and expected outcome -- Bruxism - Management and long term outcome -- Lip biting - Management and long term outcome -- Neurologic Control of the Musculoskeletal System -- Muscle tone - Spasticity - Assessment -- Movement disorders - Description and assessment -- Medical Management of Spasticity -- Medical Management of Movement disorders -- Local treatment - Botulinum, Phenol, Neurectomy -- Intrathecal Baclofen Therapy -- Dorsal Rhizotomy -- Deep Brain Stimulation -- Ataxia - Disorder of Balance, Description and Assessment -- Assessing dynamic Balance -- Normal Gait -- Overview and Natural history of CP Gait -- Use of Diagnostic Gait Analysis to Guide Treatment -- Using Gait Analysis as an Outcome Assessment -- Managing Hemiplegic Gait -- Diplegic Gait -- Torsional Malalignments -- Stance phase - Crouch and Back Kneeing -- Swing Phase - Toe drag -- Gait with Movement Disorders -- Gait in Ataxia -- Complications of Gait Management and Gait Analysis -- Overview of Natural History and Outcome -- Assessment of the Upper Extremity for Diagnostic Assessment -- Assessment of the Upper Extremity for Outcome Evaluation -- Tone Management - Botulinum, Neurectomy, Rhizotomy -- Single Event Multi-level Surgery Approach -- Shoulder -- Elbow -- Forearm and Wrist -- Thumb -- Fingers -- Overview and Natural History -- Non-operative Management of CP scoliosis -- Surgical Planning - Medical Evaluation Pre-op -- Role and Response to Spinal Cord Monitoring -- Anesthesia for CP Spinal Fusion -- Surgical Management of Scoliosis (operative Procedure) -- Surgical Management of Kyphosis and Lordosis -- Post-operative Management -- Managing Early Onset Scoliosis in CP -- Managing Complications related to Spinal Fusion -- Cervical Spinal Problems in CP -- Lumbar Spondylosis -- Ambulatory child CP and Scoliosis -- Scoliosis and Hip dislocation - Management considerations -- Summary Overview -- Etiology and Natural History -- Screening and Surveillance -- Prophylactic Treatment -- Reconstruction of Common Posterior Lateral Displacement -- Reconstruction of the Atypical- Anterior or Inferior

Displacement -- Palliative or Salvage Treatment -- Complications of CP
 hip Management -- Summary of Knee problems -- Patella-femoral
 instability -- Apophositis and stress fractures -- Rotatory or torsion
 Instability -- Fixed knee flexion Contracture -- Hyper-extension knee
 deformity -- Knee extension Contracture and Stiff Knee Gait -- Tibial
 Torsion and Bowing -- Over view of the FOOT in CP -- Natural History
 of Foot posture in Children with CP -- Equinus -- Ankle Varus and
 Valgus -- Planovalgus -- Varus -- Calcaneovalgus -- Hallux -- Claw
 toes, Over Lap, and Crossing Toes -- Toe Nail Problems --
 Complications of Managing Foot Problems -- Over view and history of
 therapy for CP -- Early Intervention - techniques and outcome --
 Habilitation therapy - in middle childhood - role and outcome -- Short
 High Intensity VS Long-term Low frequency -- Rehabilitation Therapy -
 (Post op) Frequency and Approach -- Role of Therapy in Teenagers to
 prevent function loss -- Educational Therapy - Technique outcome,
 how not medical therapy -- Therapy Theories - NDT ECT outcome
 expectations -- Hydrotherapy -- Strength Training -- Cardiovascular
 Endurance training -- Hippotherapy -- Robotic training, Suspended
 Treadmill training -- Over view theories and expectations -- Early
 intervention expectations and outcome -- UE Habilitation techniques -
 Outcomes -- Constrained use - Enforced use Therapy Techniques and
 expected outcome -- UE splinting VS use encouragement -- Evaluation
 for Driver Training and adaptations -- Over view of ST and expect
 outcome -- Feeding Therapy Indications, techniques, outcome --
 Speech therapy, When techniques and expected outcome --
 Augmentative communication, When and expected outcome how to
 evaluate -- Training oral control for Drooling - Techniques and
 outcome -- Overview of the wide range -- Swimming with Dolphins --
 Hyperbaric Oxygen -- Acupuncture -- Pressure suits and vests --
 Elastic Space suits -- Votja Technique -- ECT ECT ECT -- Standers -
 Which, when how long, who and what is the benefit -- Reclining - Side
 Lyers, wedges, beds - Benefit for who and when -- Gait trainers - Who
 when how long - Benefit -- Walkers - WHO WHEN how long and what is
 the benefit -- Crutches, and canes and sticks -- UE - Self feeders -
 WHO W WH outcome -- General Over view of issues to be considered
 -- Wheel chair VS stroller - difference and why and when and outcome
 -- Power Wheel chair - WHEN WHO outcome -- Early power wheeled
 toy mobility - Benefit outcome -- Consideration of the appropriate
 WHEEL chair for permanent use -- One arm drive chair for who and
 when -- General Overview when indicated benefits and risks -- Control
 Foot posture - Arch supports, UCBL and SMO -- Ankle control -- Knee
 control options -- Hip control -- UE orthotics.

Sommario/riassunto

This new edition will grow to three volumes and significantly expand existing sections on medical management of children with cerebral palsy, research, education and therapies. The first volume will cover the cause of CP, the underlying pathology in the brain and the secondary pathologies in different tissues, such as muscle and bone. There are a fair number of controversies and new techniques, such as PET scans, that are getting attention to make earlier diagnosis. It is still not clear whether early diagnosis makes a long term difference. Epidemiology will also be discussed. The second volume will focus on general medical concerns related to CP on each of the medical specialties and the musculoskeletal section - which served as the main focus of the previous edition. This volume will be updated with an emphasis on gait disorders, spasticity, seizures and movement disorders. New research and techniques on the hip and spine areas will be added as well. The third and final volume will be an expanded and comprehensive resource on therapies. More detail on the latest outcome research and

techniques will be provided along with sections on orthotics and novel treatments and techniques. This reference work will build on gaps within the first edition and continue to be the definitive guide for rehabilitation physicians, orthopedics, neurologists and therapists who treat children with CP .
