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Nota di contenuto	Title page; Preface; Contents; Genetics; The Role of Melatonin Receptor 1B Gene (MTNR1B) in Adolescent Idiopathic Scoliosis - A Genetic Association Study; Correlation Between Cytogenetic Abnormalities in Cells and Metabolic Shifts in Children with Spinal Deformities; Aggrecan Gene Expression Disorder as Aetiologic Factor of Idiopathic Scoliosis; Genetic Association Study of Insulin-Like Growth Factor-I (IGF-I) Gene with Curve Severity and Osteopenia in Adolescent Idiopathic Scoliosis; Etiology and Pathogenesis Changes in Vertebral Neural Arch Morphometry and Functional Tethering of Spinal Cord in Adolescent Idiopathic Scoliosis - Study with Multi-Planar Reformat Magnetic Resonance Imaging""Syndrome of

Contractures"" (According to Mau) with the Abduction Contracture of the Right Hip as Causative Factor for Development of the So-Called Idiopathic Scoliosis; Scoliotic Progression Patterns in Prognostic Factors and Future Prediction of Spinal Deformity Progression; Persistent Osteopenia in Adolescent Idiopathic Scoliosis - Longitudinal Monitoring of Bone Mineral Density Until Skeletal Maturity
Prevalence of Scoliosis in Women with Visual DeficiencyPatterns of Extra-Spinal Left-Right Skeletal Asymmetries in Adolescent Girls with Lower Spine Scoliosis: Relative Lengthening of the Ilium on the Curve Concavity & of Right Lower Limb Segments; Left-Right Upper Arm Length Asymmetry Associated with Apical Vertebral Rotation in Subjects with Thoracic Scoliosis: Anomaly of Bilateral Symmetry Affecting Vertebral, Costal and Upper Arm Physes?; Etiologic Theories of Idiopathic Scoliosis: Neurodevelopmental Concept of Maturational Delay of the CNS Body Schema (""Body-in-the-Brain"")
Intervertebral Disc Biomechanics in the Pathogenesis of Idiopathic ScoliosisGeographic Latitude and Prevalence of Adolescent Idiopathic Scoliosis; Sagittal Configuration of the Spine in Girls with Idiopathic Scoliosis: Progressing Rather than Initiating Factor; Is It Possible to Identify a Population in Which the Incidence of Future Development of AIS Is Greatly Increased when Compared to the Normal Population?
Patterns of Extra-Spinal Left-Right Skeletal Asymmetries and Proximo-Distal Disproportion in Adolescent Girls with Lower Spine Scoliosis: Ilio-Femoral Length Asymmetry & Bilateral Tibial/Foot Length DAdolescent Idiopathic Scoliosis: Metric Analysis of the Deformity; Abnormal Spread of Junctional Acetylcholine Receptor of Paraspinal Muscles in Scoliosis Associated with Syringomyelia; Quantitative Analysis of Types I and II Collagen in the Disc Annulus in Adolescent Idiopathic Scoliosis
Asymmetric Expression of Melatonin Receptor mRNA in Bilateral Paravertebral Muscles in Adolescent Idiopathic Scoliosis

Sommario/riassunto

Contains papers on the following subjects: Genetics; Etiology and Pathogenesis; Biomechanics and Imaging; Conservative Treatment; Surgical Treatment; and Quality of Life. This publications seeks to serve as a basis for research and as a source of discussion.