Basic Principles of Cephalometry

Workbook Ceph Including Practical Instructions Curriculum Functional Oral Rehabilitation in Interdisciplinary Dentistry

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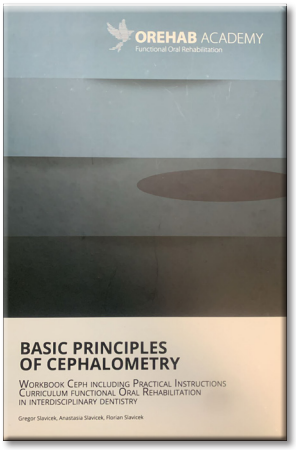

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Books Review

Cephalometric analysis is an indispensable tool TO plan, monitor and evaluate complex and integrated orthodontic treatment, surgical and oral rehabilitation protocols. Computer tomography (CT) represented a fundamental advance in diagnostic radiography whose authors were awarded the Nobel Prize in Medicine and Physiology in 1979. Advances in computer software technology allowed the combination of conventional cephalometric radiography and CT methods to produce the new method of three-dimensional (3-D) cephalometry.
Three-dimensional cephalometry is a tool for planning, monitoring and evaluating craniofacial morphology and growth, immediate and long-term postoperative evaluation of orthognathic surgery procedures.
Basic Principles of Cephalometry is a practical guide both for orthodontists, maxillofacial surgeons, and dentists practicing complex and integrated oral rehabilitation. The 12 chapters of the book present the experience of Prof. Rudolf Slavicek's school in cephalometry.
After introducing the basic principles of lateral cephalometry, the concept of individualized norm in the analysis, the tracing in profile, bony and dental structures, identification of special points and landmarks, determination of planes and the measurements are presented.
There follows a detailed presentation of the occlusal plane: analysis and definitions, occlusal plane and cranio-facial development, functional view of occlusal plane, and inclusion of the spherical form of occlusion from the sagittal aspect. Next comes the establishment of the basic diagnostic conclusions: position of the mandible and the maxilla, relationship between the maxilla and the mandible, growth pattern of the mandible and the maxilla and overall craniofacial development.
The next section describes the compensation mechanisms: adaptation, compensation and decompensation; dento-alveolar compensation, vertical and articular compensation, adaptation, compensation and decompensation during growth and basic principles of compensation and decompensation. It continues with the treatment plan, demonstration of growth-related, demonstrating the goals of treatment, the treatment plan, superimposition of cephalometric radiograph tracings, a historical overview of superimposition techniques and VTO: Broadbent, Bolton and Ricketts standards, various superimposition techniques: Björk, Ricketts, vertical dimension and visualization of verticalization, visualization of the difference between ICP and RCP and molar position and occlusal plane. Analysis of the lateral cephalometric radiograph follows: Bergen/Hasund, Björk, Jarabak, Downs, Ricketts, Sassouni, Sato/Kim, Slavicek, Steiner, Tweed and Wylie.
The last chapter addresses the history of the evaluation of the cephalometric radiograph, the need for standardized x-rays and the development of and methods of evaluating cephalometric radiographs: anthropology and cephalometry, the cephalometric photograph and cephalometry.
This book by Prof. Gregor Slavicek, Dr. Anastasia Slavicek and Dr. Florian Slavicek is a convincingly documented, abundantly illustrated guide indispensable for the library of orthodontists, maxillofacial surgeons, and dentists practicing complex and integrated oral rehabilitation.

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