

1. Record Nr.	UNINA9910140909603321
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Titolo	Essentials of orthodontics : diagnosis and treatment / / Robert N. Staley and Neil T. Reske
Pubbl/distr/stampa	Chichester, England : , : Wiley-Blackwell, , 2011 ©2011
ISBN	1-118-85371-7 1-282-91384-0 9786612913846 0-470-95841-3
Descrizione fisica	1 online resource (358 p.)
Disciplina	617.6/43 617.643
Soggetti	Orthodontics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Essentials of Orthodontics Diagnosis and Treatment; Table of Contents; Preface; Acknowledgments; Introduction; 1: Orthodontic Diagnosis and Treatment Planning; Normal and Ideal Occlusion; Normal Occlusion in the Primary Dentition; Centric Occlusion and Centric Relation; Angle Classification of Malocclusion; Angle Class I Malocclusion; Class I Malocclusions in the Primary and Mixed Dentitions; Angle Class II Division 1 Malocclusion; Angle Class II Division 2 Malocclusion; Class II Malocclusions in the Primary and Mixed Dentitions; End-to-End Occlusion; Angle Class III Malocclusion Class III Malocclusions in Primary and Mixed Dentitions Super Class I Malocclusions; Super Class II and Super Class III Malocclusions; Subdivision Malocclusions; Class II Subdivision Malocclusions; Class III Subdivision Malocclusions; Class II-III Subdivision Malocclusions; Incisor Dental Compensations in Class II and Class III Malocclusions; Iowa Notation System for Angle Classification; Rules for Assigning Angle Classification; Rating the Severity of a Malocclusion; Orthodontic Records; Clinical Examination; Summary of Findings, Problem List, and

## Diagnosis

Consultation with Patient and/or Parent2: Dental Impressions and Study Cast Trimming; Study Casts; Digital Casts; Alginate Impressions; Mandibular Impression; Maxillary Impression; Record of Centric Occlusion; Pouring of Plaster Study Casts; Study Cast Trimming; 3: Dental Cast Analysis in Adults; Tooth Size-Arch Length Analysis; Measurement of Tooth Size and Arch Length; Factors Influencing a Tooth Size-Arch Length Analysis; Curve of Spee; Incisor Inclination and Anteroposterior Position; Second and Third Molar Evaluation; Comparison of TSALD Analysis and the Irregularity Index Arch Width MeasurementsDiagnostic Setup; Bolton Analysis; Overbite and Overjet Measurements; Mandibular Crowding; Tooth Widths in Normal Occlusion; 4: Dental Cast Analysis in the Mixed Dentition; Tooth Size-Arch Length Analysis; Prediction of the Widths of Nonerupted Canines and Premolars; Radiographic Enlargement of Nonerupted Canines and Premolars; Revised Hixon-Oldfather Prediction Method; Iowa Prediction Method for Both Arches; Upper Arch; Lower Arch; Standard Error of Estimate; Radiograph Image Problems; Proportional Equation Prediction Method; Tanaka and Johnston Prediction Method Measurement of Arch Lengths on CastsMeasurement Instruments and Guidelines; Factors that Influence a Mixed-Dentition Arch Length Analysis; Interpretation of a Mixed-Dentition Arch Length Analysis; 5: Radiographic Analysis; Periapical Survey; Panoramic Radiograph; Occlusal Radiographs; Cone Beam Radiographs; Lateral Cephalometric Radiographs; Anatomic Landmarks; Cephalometric Landmarks; Cephalometric Point Locations; Cephalometric Planes; Cephalometric Angles and Distances; Skeletal Angles and Distance; Dental Angles; Distances of Incisors to Anterior Vertical Lines Cephalometric Norms and Treatment Goals

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### Sommario/riassunto

Essential Orthodontics: Diagnosis and Treatment is designed to help dental students, orthodontic residents, and general dentists understand the basic concepts and procedures essential to the diagnosis, treatment planning, and treatment of patients who have relatively simple malocclusion problems. The authors explain the steps of diagnosing basic orthodontic problems and analyzing dental radiographs and include many of the forms and charts dentists use for examination, diagnosis, and appliance design. Readers will learn about the mechanics of how appliances move teeth, the differen

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