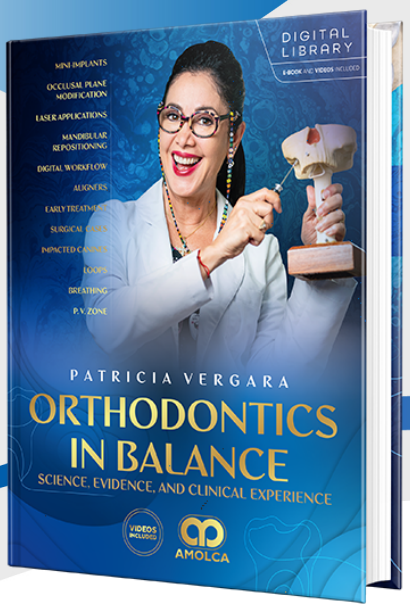
FICHA » TÉCNICA



Orthodontics in Balance. Science, Evidence, and Clinical Experience

Autor: Patricia Vergara

ESPECIALIDAD:	Ortodoncia y Ortopedia Maxilar
CONTIENE:	Video - Ebook

» Características

ISBN: 9789962753179	**Tapa:** Dura	**Año de publicación:** 2026	**Peso:** 3.23 kg
Impresión: Lujo Gofrado	**Número de páginas:** 916	**Número de tomos:** 1	**Edición:** 1ª

» Descripción

Contemporary orthodontics has undergone a profound transformation with the introduction of skeletal anchorage, a development that has expanded the biomechanical possibilities for treating even the most complex malocclusions. In this evolving landscape, Dr. Patricia Vergara emerged as one of the pioneering and most influential international figures in the field, embracing the use of extra-alveolar miniscrews early in their development and creating clinical protocols that have become part of the modern standard of care in orthodontics.

This book brings together decades of clinical experience, research, and dedication to patient care. Through a carefully curated selection of cases, Dr. Vergara and her collaborators present innovative treatment approaches that integrate advanced biomechanics, skeletal anchorage, and a deep understanding of masticatory system function. Her comprehensive philosophy—where temporomandibular joint assessment, musculature, diagnosis, and treatment mechanics converge—offers readers a clear, practical, and scientifically grounded perspective on contemporary orthodontic management.

The text includes chapters dedicated to skeletal anchorage in different anatomical regions, gummy smile correction, MARPE, molar mesialization and uprighting, aligner therapy, esthetic appliances, transverse development, and early treatment approaches. It also explores multidisciplinary topics such as orthognathic surgery and adjunctive therapies, including laser applications.

With contributions from internationally recognized experts, this work stands as an essential reference for orthodontists, educators, and students alike. More than a technical compendium, it is a reflection of Dr. Vergara's passion for teaching, innovation, and the pursuit of excellence in patient care. A landmark publication that represents a defining achievement in her distinguished professional career.

»CONTENIDO

SECTION I: Contemporary Diagnosis in Orthodontics

1.1 Muscle Palpation: The Greatness of Simplicity

Liliana Camargo Cruz

1.2 Cephalometry

María Duarte | José Cantero | Leticia Galeano

1.3 Breathing and Craniofacial Development

Sandra Valencia Becerra

1.4 Comprehensive Classification of Malocclusions

Patricia Vergara

1.5 Importance of Using an Articulator. From the Reference Position to the Therapeutic Position

María Duarte | José Cantero | Leticia Galeano

SECTION II: Anatomical and Biomechanical Foundations of Skeletal Anchorage

2.1 The Basic Concepts of Biomechanics for Effective Orthodontics

Elsa Arango Pilonieta

2.2 Statically Indeterminate Force Systems and the Power of the Rectangular Loop

Juan Contreras Arellano

2.3 Segmented Mechanics versus Straight Arch: 3D Strategies for Effective Extrusion

Andrés Melo

2.4 Space-Closing Loops

Anastasija Tyukova

3.1 21st Century Orthodontics: A Biophysical-Logical Approach

Patricia Vergara

3.2 All About the Biomechanics of Mass Retraction

Patricia Vergara

Interradicular Mini-Screws

Patricia Vergara

5.1 Infrazygomatic Crest

»CONTENIDO

Patricia Vergara

5.2 Palatal Anchorage with Mini-Implants: Anatomy, Technique, and Applications

Patricia Vergara

5.3 Mandibular Shelf

Patricia Vergara

5.4 Mini-Implant in the Mandibular Ramus

Patricia Vergara | Angélica De la Hoz Chois

5.5 Chin Symphysis

Elsa Arango | Luis Carlos Gutiérrez de Piñeres

Surgical Guides for Mini-Implant Placement

Patricia Tarquini

Anatomical Limits in Orthodontic Movements

Viviane Tinoco | Jorge Ayala

Complications in the Use of Mini-Implants in Orthodontics

Patricia Vergara

Management of Malocclusions with Skeletal Anchorage

Patricia Vergara | Angélica De la Hoz Chois

Application of Mini-Implant Anchorage in Class II, Division 2 Malocclusions

Johnny J. L. Liaw | Wendy W. T. Liao

Clinical and Biomechanical Guidelines for Contemporary Management of Brodie Bite

Patricia Vergara | Angélica De la Hoz Chois

New Classification of Gummy Smile According to Aesthetic, Clinical, and Biomechanical Considerations

»CONTENIDO

Patricia Vergara | Angélica De la Hoz Chois

Modified Penn Expander: A New Approach to Maxillary Expansion Anchored to Mini-Implants

Júlio de Araújo Gurgel | Viviane Tinoco

Three-Dimensional Biomechanical Management of Molars: Mesialization, Distalization, and Intrusion

Patricia Vergara

SECTION III: Complementary Techniques and Procedures in Orthodontic Treatment

Controlled Mandibular Repositioning Guided by TO GO® Temporary Overlays in Skeletal Class II

Alejandra Londoño Mejía | Miguel Assis

A New Complementary Neuromyofunctional Therapeutic Approach for Efficiency and Stability in Dento-Maxillofacial Treatments

Karim Rosero

MADS: Maxillary Development System for Patients in Early Mixed Dentition

Daniela Storino | Augusto Macedo

Practical and Efficient Guide to the Early Management of Malocclusions in Mixed Dentition

Karen Haydar

Overview of Mini-Tubes Orthodontics System (MTOS)

Joaquín Tiberio Ariza Olaya

20.1 Dental Aligners: A Tool Integrated with Occlusal Concepts

Vicky Charris

20.2 Skeletal Anchorage: An Indispensable Solution in Complex Cases with Aligners

Teresa Pinho

»CONTENIDO

Electronic Instrumentation in Orthodontic Diagnosis

Andrea Erica Bono

Key Movements in Craniomandibular Orthodontics with Aligners

Cindy Dias | Eugenio Marruffo

Occlusal Adjustment

Carol Weinstein | Taly López

Laser Applications in Orthodontics According to Different Wavelengths

Ángela Domínguez | Sergio Velásquez

25.1 Orthosurgical Management of Impacted Canines

Elio Jiménez Batista

25.2 Impacted Canines

Rafael Ortiz

Minimally Invasive Orthognathic Surgery

Nelson J. León R. | Miguel Hirschhaut

27.1 Orthodontic Diagnosis and Treatment of Lateral Mandibular Displacement: An Expert Perspective

Roberto Velásquez Torres

27.2 Hemimandibular Hyperplasia Associated with Osteochondroma: Severe Condylar Hyperplasia Variant in Class I Sagittal Relationship Cases

Diego Fernando López B.

Facial Cosmetic Surgery in Orthodontic Patients

Jorge A. Ochoa Barriga | Jorge E. Ochoa Martínez | María A. Amin Rojas