



Edition: 1st Edition 2009  
pages: 136  
Images: 340  
Cover: Hardcover  
ISBN: 978-1-85097-190-0  
Stock No.: 7062  
Published: May 2009

Price £92.00  
Subject to changes!

**Quintessence Publishing Company, Ltd.**

 Grafton Road  
KT3 3AB New Malden, Surrey  
United Kingdom

 +44 (0)20 8949 6087

 +44 (0)20 8336 1484

 [info@quintpub.co.uk](mailto:info@quintpub.co.uk)

 <https://www.quintessence-publishing.com/gbr/en>

## Book information

**Authors:** Tomaso Vercellotti  
**Title:** Essentials in Piezosurgery  
**Subtitle:** Clinical Advantages in Dentistry  
**Short text:**

This book presents the clinical advantages of Piezosurgery—over traditional methods for tooth extraction, ridge expansion, sinus lifts, bone grafting, and clinical crown lengthening, as shown by research and clinical experience over the decade since the author first developed the technique. The reader will also find information about recent advancements in the field, including a presurgical assessment of implant site anatomy, based on a newly developed bone classification, and an innovative ultrasonic implant site preparation technique, which allows optimization of implant placement in difficult anatomic areas. In addition, the book describes the use of orthodontic microsurgery, a new orthodontic-piezosurgical technique that allows rapid tooth movement while preventing damage to the periodontal tissues. General practitioners, oral surgeons, and implant dentists will find unique insight into the clinical benefits of piezoelectric bone surgery.

### Contents

#### Section I. Introduction

Chapter 01. History of the Invention of Piezoelectric Bone Surgery  
Chapter 02. Characteristics of Piezosurgery—Surgical Instruments

#### Section II. Technology and Surgery

Chapter 03. Clinical Characteristics and Surgical Protocols

#### Section III. Clinical Advantages of Piezosurgery in Dentistry

Chapter 04. Tooth Extraction Techniques  
Chapter 05. Crown Lengthening Technique  
Chapter 06. Ridge Expansion Technique  
Chapter 07. Maxillary Sinus Lift Technique  
Chapter 08. Bone Grafting Techniques

#### Section IV. New Concepts and New Surgical Techniques Using Piezosurgery

Chapter 09. New Bone Classification for Analysis of the Single Surgical Site  
Chapter 10. New Technique of Ultrasonic Implant Site Preparation  
Chapter 11. Orthodontic Microsurgery: New Corticotomy Technique

**Categories:** Implantology, Oral Surgery, Periodontics