



Edition: 1st Edition 2020  
pages: 384  
Images: 1418  
Cover: Hardcover, 21,6 x 27,9 cm  
ISBN: 978-0-86715-832-8  
Stock No.: 7660  
Published: January 2020

Price  
Subject to changes!

£216.00

#### 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:** Piezoelectric Bone Surgery  
**Subtitle:** A New Paradigm

#### Short text:

This book from the inventor of Piezosurgery provides the practical information clinicians need to successfully integrate piezoelectric bone surgery into their practices to improve outcomes in oral surgery and dental implantology. The first half of the book introduces basic piezoelectric principles, including the clinical characteristics of piezoelectric cutting, the technology of the ultrasonic device, and the ultra-osseointegration process, and a surgical skills chapter includes practical exercises to prepare readers to use the piezoelectric device. The clinical chapters in the second half of the book guide readers through step-by-step piezoelectric surgical protocols for dental extractions, implantology, sinus augmentation, bone grafting, and ridge expansion, followed by case studies illustrating each technique. This book is an excellent reference for readers looking for a comprehensive introduction to Piezosurgery as well as experienced clinicians interested in perfecting these precise and minimally invasive techniques.

#### Contents

##### Part 1: Piezoelectric Principles

Chapter 01. A New Paradigm in Bone Surgery  
Chapter 02. The Invention of Piezosurgery  
Chapter 03. Clinical Characteristics of Piezoelectric Cutting  
Chapter 04. The Technology of the Ultrasonic Device  
Chapter 05. Piezoelectric Surgical Skills  
Chapter 06. The History of Ultrasonic Bone Surgery  
Chapter 07. Bone Classification System for Surgical Application  
Chapter 08. The Ultra-Osseointegration Process

##### Part 2: Piezoelectric Surgical Protocols

Chapter 09. Piezoelectric Dental Extractions  
Chapter 10. Piezoelectric Implantology  
Chapter 11. Piezoelectric Sinus Elevation  
Chapter 12. Piezoelectric Bone Grafting  
Chapter 13. Piezoelectric Ridge Expansion

#### Contributors

Matteo Capelli • Andrea Cardoni • Niccolò Cerisola • Matteo Chiapasco • Gianmario Schierano • Claudio Stacchi • Tonino Traini • Raffaella Vinci

**Categories:** Oral/Maxillofacial Surgery