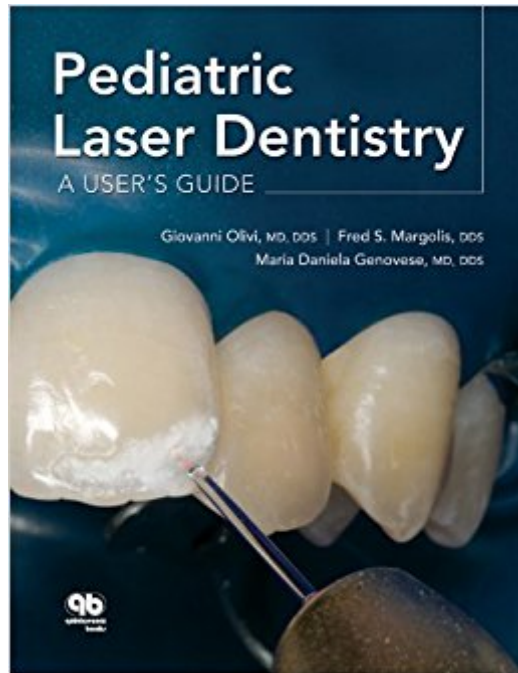




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Pediatric Laser Dentistry: A User's Guide



Synopsis

This comprehensive text, the first to focus on laser applications in pediatric dentistry, reviews the fundamental principles of laser energy and demonstrates the essential therapeutic steps of laser radiation in conservative pediatric dentistry. Detailed explanations of the unique interactions of laser radiation with dental tissues with a focus on the differences specific to primary and young permanent teeth help clinicians take advantage of the many inherent benefits of laser energy, such as selective removal of carious tissue, preservation of healthy mineral structure, disinfection of prepared surfaces, excellent hemostasis, and improved patient comfort and compliance. The predictable clinical protocols for hard and soft tissue applications are detailed step by step with explanations on technique and suggested laser parameters, and the outcomes are illustrated in multiple case studies. In addition, the text is rounded out with presentations on innovative therapies involved in laser caries detection, laser irradiation for caries prevention, enamel and dentin laser conditioning, laser radiation for root canal debridging and cleansing, and low-level laser therapy as well as an appendix on laser safety and a glossary of laser terms. This practical guide will inspire pediatric dentists who are new to the laser as well as those experienced in providing laser therapy to adults.

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Book Information

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Customer Reviews

This text provides a thorough discussion of the dental lasers that are currently available as well as guidelines for how to use each type of laser for specific applications. --Rebecca L. Slayton, DDS, PhD, Special Care in Dentistry, March/April 2012 This textbook is called 'Pediatric' laser dentistry, but it really presents the fundamentals of laser operation for both adult and pediatric patients.

Although research and clinical trials are ongoing, the book is quite inclusive of the capabilities of the laser in pediatric dental practice. The text is well organized and edited. It teaches the basics of laser operation first, then the therapies that can be performed with emphasis on the applications in pediatric dentistry. It is a good review with tables and parameters of use for the experienced operator and thorough explanation for the novice. --Adam Chapnick, BA, DDS, Alpha Omegan, December 2012 I found the book a nice review of dental laser principles and practice for the clinical setting. Although the title of the text is focused on pediatric dentistry, the science behind laser technology and the indications for use definitely apply in adult treatment as well. --Ray A. Morse, DMD, Florida Dental Association, October 2012

I was excited when I read the table of contents only to be a bit disappointed after getting into the meat of the text. The explanations of the hardware were sufficient enough to give me a basic understanding of how my machine works. If you are looking for detailed answers to specifically diagnose and treat dental conditions with good science and evidence based dentistry at its core, this is not the text for you. If your goals are more in line with obtaining a quick overview of dental lasers with some good photos, this book is your answer. One of the reasons for my disappointment had to do with the redundancy and rationalization of uses for the laser. For example, on page 130, box 10-1 outlines the surgical advantages for the clinical use of lasers. The table listed 8 advantages, 5 of which were simply different ways of saying the same thing. I have a Biolase and have been using it for about 3 months. It is a nice tool for certain hard and soft tissue applications, but to say that it could be used as much as the book insinuates just doesn't seem correct to me. I guess it has to do with, when you have a hammer, everything starts looking like a nail.

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