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Lasers In Dentistry - Practical Text Book



Synopsis

This book is rich and instructive because its two authors, both for many years closely involved in the use of lasers in dentistry, have been supported in their efforts by 40 co-authors who, representing all the continents of the world, are all leading specialists and scholars in this discipline. The resulting volume provides an extraordinary and very important overview on the use of lasers in dentistry. All these scientists have contributed the best of their research and clinical experience in the sector of particular interest to them, providing the user of this manual with an excellent account of the state of the art in this field. It is splendid because the lengthy and extremely meticulous and work that has gone into this project has resulted in an exhaustive and highly methodical treatment of this whole subject. The book opens with a chapter on the physics of lasers before dealing, in a series of detailed and fascinating chapters, with all the branches of dentistry: from conservative, cosmetic and paediatric dentistry to dental traumatology, endodontics, periodontics, and prosthodontics; then, still in a logical and systematic manner, it goes on to look at the multifaceted aspects of the surgical dentistry (diseases of the oral cavity, bone regeneration, analysis of biopsy samples etc.) and finally at implantology. The last two chapters of the book, which have a somewhat futuristic feel, are devoted to laser photobiomodulation, i.e. the histological effects of laser treatment on oral hard and soft tissue, and the safe use of these new instruments. This book, as its title clearly indicates, has the merit of being aimed, above all, at private practitioners and professional dentists who want to be able to apply, immediately, the latest developments in this field in their daily clinical practice. The most innovative aspect of this extremely useful book is thus the fact that it offers professionals a simple, clear and effective guide to the practical use of the different wavelengths. This makes it an irreplaceable and fundamental volume for anyone with an interest not only in possible future developments in this field, but also in the new daily reality of modern dentistry. Nowadays, with the focus on the quest for quality, excellence, maintenance of pulp tissue vitality, lasting results, and simpler, more ergonomic operations, it is clear that dental surgeries and clinics, both private and otherwise, need to be equipped with lasers, of different types, for use in their routine daily practice. Compared with traditional approaches, it is amply documented that laser-assisted treatment offers many advantages: 1. it allows smaller preparations; 2. it guarantees maximum respect for tissues, with less heating of the pulp chamber; 3. it eliminates or considerably reduces the need for anaesthetics; 4. it can be used in modern minimally invasive dentistry; 5. it has well defined decontaminating, analgaesic and biostimulating effects; 6. last but not least, it favours greater patient compliance, a fundamental aspect in conservative therapy particularly in children (and also in the disabled), in many cases removing the need for general anaesthesia or conscious sedation. The

book is completed and enhanced by numerous photographs and illustrations of remarkable detail and definition. It also provides enlargements, where necessary, of single steps in clinical operating procedures, so as to help dentists apply these procedures in their own daily practice. Each chapter is accompanied by an extensive and exhaustive bibliography, allowing readers to verify the truth of, and explore in greater depth, what is reported in the text.

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I believe it's an excellent overview on clinical use of like lasers!

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