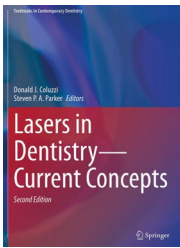


BOOK REVIEW



LASERS IN DENTISTRY – CURRENT CONCEPTS

Editors: Donald J. Coluzzi and Steven P. A. Parker;
2023; Springer Cham;
£79.50 (eBook); pp. 585;
ISBN: 978-3-031-43338-2

In recent decades, the field of dentistry has witnessed a remarkable evolution, propelled by advancements in technology and innovative treatment modalities. Among these advancements, the integration of lasers into dental practice has emerged as a groundbreaking development, revolutionising various aspects of oral healthcare.

The second edition of *Lasers in dentistry – current concepts* is a comprehensive guide to the latest advancements and contemporary perspectives shaping the field of laser dentistry. Edited by Donald J. Coluzzi and Steven P. A. Parker, this textbook is a definitive guide for dental professionals navigating the ever-evolving landscape of laser technology. Drawing upon their extensive expertise and practical insights, various world-renowned experts have written a coherent exploration of key concepts, applications, and clinical techniques relevant to the use of lasers in dentistry.

The book is divided into five parts with 18 chapters. Every chapter within the book is meticulously crafted, presenting a logical flow of information that guides the reader through complex topics with ease. Each section is richly supplemented with relevant references, diagrams, and clinical images, enhancing comprehension and facilitating a deeper understanding of the material. This meticulous attention to detail ensures that readers can navigate through the text seamlessly, grasping concepts and techniques with clarity and confidence.

The first part deals with the concepts of laser use in dentistry, which includes where to begin with lasers, laser fundamentals, laser tissue interaction, operating parameters, laser safety, laser-assisted diagnostics and photobiomodulation therapy. The second part deals with laser-assisted oral hard tissue management in which various aspects of laser in caries management, endodontics, oral implantology and paediatric dentistry are discussed. Laser-assisted oral soft tissue management is the third part in which minor oral surgery and muco-gingival surgical orthodontics are explored. The fourth part is laser-assisted oral multi-tissue management, which introduces the readers to laser treatment of periodontal and peri-implant disease, laser-assisted multi-tissue management during aesthetic or restorative procedures, and impact of laser dentistry in management of colour in aesthetic zones. The final part deals with the way ahead for lasers which gives readers an insight into medico-legal aspects of lasers and the future research aspects for lasers.

The second edition of *Lasers in dentistry – current concepts* is a fantastic book for understanding the applications of lasers in dentistry. The application of lasers in all dental specialties has been explained with appropriate clinical photographs, and it will serve as an excellent resource for anyone interested in using lasers in dentistry.

Mebin George Mathew



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