Venusys Medical | Fotona choose perfection | Royce Dental Surgery | Royce Dental Academy | ROYCE DENTAL ACADEMY

The Cutting-Edge of Modern Dentistry

The Indispensable Role of Lasers

Dr. Irwansyah Manurung

Oral & Maxillofacial Surgeon

Gatot Soebroto Army Central & Presidential Hospital (RSPAD), Indonesia

Use of Laser for Dentistry

Beyond Cutting and Burning

Dr. Henry Ho

Dental Specialist in Prosthodontics

Director - Institute of Advanced Dental Education & Training

CPE points: TBC

Lecture Fee: SGD 70

Light refreshments provided

25th May 2024

3:00pm - 6:00pm

Amara Hotel

165 Tanjong Pagar Road Singapore 088539

SCAN HERE TO SIGN UP

Need support, please email us ***enquiry@rda.com.sg***

Synopsis

Lasers, with their unique ability to cut, ablate, and cauterise tissue with minimal bleeding, have become an indispensable tool in modern dentistry. Their application ranges from the surgical precision required in complex OMS procedures, such as maxillofacial vascular malformation procedures, to the finesse needed for everyday dental treatments. The management of maxillofacial vascular malformations represents one of the most nuanced and technologically demanding areas within oral and maxillofacial surgery, where the precision and control offered by laser technology are particularly invaluable.

Maxillofacial vascular malformations, encompassing a wide range of blood vessel abnormalities, pose unique challenges due to their potential for significant bleeding, aesthetic impact, and involvement with critical anatomical structures. Traditional surgical methods, while effective, come with considerable risks, including excessive bleeding, prolonged recovery times, and the potential for scarring.

Further to oral maxillofacial surgeries, laser technology provide the finesse needed for everyday dental treatments. In periodontics, lasers offer a less invasive alternative to traditional surgery, promoting faster healing and less discomfort for the patient. In endodontics, they enhance disinfection during root canal treatments, leading to improved outcomes. Furthermore, in restorative dentistry, lasers enable more conservative preparations and stronger bonding of materials, extending the longevity of dental restorations.

The versatility of laser technology also extends to aesthetic dentistry, where it is used for gum contouring and teeth whitening, thus broadening the service offerings for general dentists. Beyond clinical applications, lasers contribute to sterilization and reduction of cross-contamination, aligning with the highest standards of patient safety and care.

This synopsis underscores the strategic advantage of incorporating laser technology into general dental practices. By adopting laser technology, general dentists can elevate their practice, offering a wider array of treatments with enhanced precision, improved patient comfort, and better outcomes. The future of dentistry lies in harnessing the power of advanced technologies, and lasers represent a key component of this forward-looking vision, promising a brighter, more efficient, and patient-centric approach to dental care.