



LASER-ASSISTED ESTHETIC DENTISTRY

Topics covered:

Laser assisted:

- Management of gummy smile
- Flap Versus Flapless esthetic crown lengthening
- Functional crown lengthening
- Gingival depigmentation
- Soft tissue procedure prior to restorative treatments
- Lip repositioning surgery
- Management the iatrogenic damages caused by restorative procedures
- Laser assisted ceramic restoration removal

OVERALL LEARNING OBJECTIVES

1. Outline the applications of laser usage in esthetic dentistry.
2. Describe the concept of bio-esthetics in periodontology and how lasers could serve to achieve it.
3. Review of the classification and treatment planning for gummy smile.
4. Demonstrate the surgical techniques when performing esthetic crown lengthening with lasers.
5. Compare flap and flapless esthetic crown lengthening using lasers.
6. Evaluate and compare the efficacy of different laser wavelengths in removal of gingival hyperpigmentation.
7. Plan the soft tissue preparation prior to prosthetic treatments.
8. Adapt the correct laser parameters to achieve excellent esthetic result.

Time	Topic	Duration
8:00 - 8:30	Registration	30 Mins
8:30 - 9:00	Esthetic and Biologic Considerations in Periodontal-Restorative Interrelationship	30 mins
9:00 - 9:30	Laser Tissue Interactions Specific for Esthetic Procedures	30 mins
9:30 – 10:00	Fundamental of Crown Lengthening Surgery	30 mins
10:00 - 10:30	Coffee Break	30 mins
10:30 - 11:15	Lasers-Assisted Esthetic Crown Lengthening and Lip Repositioning Surgery	45 mins
11:15 - 12:00	Flap versus Flapless crown lengthening, When and Why?	45 mins
12:00 – 12:30	Laser-Assisted Soft tissue Preparation Prior to Prosthetic Treatments	30 mins
12:30 – 13:00	Laser assisted ceramic restoration removal	30 mins
13:00 - 14:00	Lunch Break	60 mins
14:00 - 14:45	Using Laser to Manage Iatrogenic Periodontal Tissue Damage in the Esthetic Zone	45 mins
14:45 - 15:30	Gingival Depigmentation with Different Laser Techniques	45 mins
15:30 - 16:00	Coffee Break	30 mins
16:00 - 18:00	<p>Workshop</p> <p>Each participant will gain hands-on experience with the selected laser wavelength</p> <ul style="list-style-type: none"> • Soft Tissue Crown Lengthening • Osseous Crown Lengthening • Gingival Depigmentation • Periodontitis Treatment • Troughing • Debonding of ceramic restoration 	120 mins

Prof. Dr. Walid Altayeb

DDS, MSc, PhD



- Dr. Altayeb received his dental degree from Faculty of Dentistry, Damascus University in 1998
- He completed his Master of Science in Periodontics in 2004 and Doctorate of Philosophy PH.D in Periodontics in 2007
- Master of Academy of Laser Dentistry, Florida, USA
- Academy of Laser Dentistry Board of Directors and ALD Speakers Bureau
- A speaker in many conferences in Middle East, Europe, and USA in the fields of Periodontal Medicine and Laser Dentistry.
- He is running “Pink Aesthetics & Laser Dentistry” courses with the British Academy of Implant and Restorative Dentistry in Middle East and North Africa.
- Dr. Altayeb achieved Advanced Proficiency certificates of Academy of Laser Dentistry
- Guest Professor, Faculty of Dental Medicine, Istanbul Ayden University, Istanbul, Turkey
- Lecturer in Università Cattolica del Sacro Cuore di Roma, Italy
- Guest Professor, UNIVERSIAPOLIS The International University of Agadir, Agadir, Morocco
- Dr. Altayeb received The John G. Sulewski Distinguished Service Award / 2019 of ALD
- General Secretary of ALD
- The founder and chair of ALD Gulf Laser Chapter
- Past Chair of ALD International Relations Committee
- The founder of Laser section in the British Academy of Implant and Restorative Dentistry and the founder of the Professional Diploma in Advanced Laser Dentistry of BAIRD
- General Secretary of iLED 2018 and iLED 2019 conferences
- Dr. Altayeb is working in private as periodontist and Implantologist in:
 - Tamim Dental Polyclinic, Doha, Qatar.
 - Dr. Imran Aestheticare Center, Dubai, UA