

MODULE I.

First day, Friday 21st October 2016:

- 9.00-9.15 - Opening Ceremony (*Prof. Stefano Benedicenti*)
9.15-10.00 - Laser Photonic Energy (*Prof. Steven Parker*)
- Historical Aspects of Laser Development (*Prof. Steven Parker*)
10.00-11.00 - Relation of Laser Emission to "Ordinary" Light (*Dr. Hoda El Hallal*)
11.00-11.30 - Coffee break
11.30-13.30 - Production of Laser Photonic Energy by Solid State, Gas and Semi-Conductor-Based Laser Machine (*Prof. Steven Parker*)
- Emission modes (*Prof. Steven Parker*)
- Laser Tissue Interaction (*Dr. Steven Parker*)
- Laser Safety (*Dr. Rita El Feghali*)
13.30-14.30 - Lunch break
14.30-17.00 - **Hands On** - How to initiate a fiber, safety procedures and basic science (*Prof. Stefano Bendicenti, Prof. Steven Parker, Dr. Hoda El Hallal, Dr. Rita El Feghali*)

Second day, Saturday 22nd October 2016:

- 9.00-10.00 - Clinical Case Design (*Prof. Steven Parker*)
10.00-12.00 - Low-Level Laser Energy Use in Dentistry (*Prof. Stefano Bendicenti*)
12.00-12.30 - Coffee break
12.30-14.00 - Laser Wavelengths in Use in Dentistry and An Overview of Their Application (*Prof. Steven Parker*)

MODULE II.

First day, Friday 2nd December 2016:

- 9.00-10.00 - Laser Use in Oral Hard Tissue Management (*Dr. Riccardo Poli*)
10.00-11.30 - Laser Wavelengths and Consideration of Optimal Power Parameters Relative to Absorption Phenomena (*Dr. Francesco Manconi*)
11.30-12.00 - Coffee break
12.00-13.30 - Laser Interaction with Enamel, Dentine, Cementum & Dental Caries (*Dr. Riccardo Poli*)
13.30-14.30 - Lunch break
14.30-16.30 - **Hands On** - Hard tissue (*Dr. Riccardo Poli, Dr. Francesco Manconi, Dr. Hoda El Hallal, Dr. Rita El Feghali*)

Second day, Saturday 3rd December 2016:

- 9.00-10.30 - Laser Interaction with Alveolar Bone (*Dr. Riccardo Poli*)
10.30-11.00 - Coffee break
11.00-13.00 - Laser Use in Endodontics- Orthograde and Retrograde Applications (*Dr. Francesco Manconi*)

MODULE III.

First day, Friday 27th January 2017:

- 9.00-11.30 - Laser Use in Oral Soft Tissue Management (*Dr. Hoda El Hallal*)
11.30-12.00 - Coffee break
12.00-13.00 - Laser Use in Fixed Prostheses (*Dr. Rita El Feghali*)
13.00-14.30 Lunch break
14.30-17.30 - **Hands On** - To explore the use of laser photonic energy in simulated oral

soft tissue surgical management procedures and bone surgery (*Dr. Massimo Frosecchi, Dr. Hoda El Hallal, Dr. Rita El Feghali*)

Second day, Saturday 28th January 2017:

9.00-11.00 - Laser Use in Perio: Surgical and Non-Surgical Applications (*Dr. Massimo Frosecchi*)

11.00-11.30 - Coffee break

11.30-13.00 - Laser Use in Implantology (*Dr. Massimo Frosecchi*)

MODULE IV.

First day, Friday 10th March 2017:

9.00-11.00 - Laser Bleaching (*Prof. Stefano Benedicenti, Dr. Hoda El Hallal, Dr; Rita El Feghali*)

11.00-11.30 - Coffee break

11.30-12.30 - Laser Desensitizing (*Dr. Hoda El Hallal*)

12.30-14.00 - Lunch Break

14.00-15.30 - Laser Depigmentation (*Dr. Rita El Feghali*)

15.30-17.00 - **Hands On** Integration of Lasers Into Dental Practice (*Prof. Stefano Benedicenti, Dr. Hoda El Hallal, Dr; Rita El Feghali*)

Second day, Saturday 11th March 2017:

9.00-11.00 - Presentation of Clinical Cases (*Prof. Stefano Benedicenti*)

11.00-11.30 - Coffee break

11.30-13.00 - **MCQ EXAM**

13.00-14.30 - Lunch break

14.30-15.00 - MCQ marking

15.00-16.00 - Open Forum

16.00 - **CERTIFICATION.** Closing ceremony (*Prof. Stefano Benedicenti, Dr. Hoda El Hallal, Dr. Rita El Feghali*)