

# LASER and Alternative Light Sources in Modern Dermatology

Specialists Course | 10-12 April 2024 | Trieste, Italy

## COURSE DESCRIPTION

An innovative, compact, 48-hour ILE (Intense Learning Experience) with practical hands-on training on phantoms, under direct supervision of world-known experts in Laser Dermatology, organized in an advanced Dermatologic Surgical Centre.

A preliminary online course with theory sessions/video-tutorials and multiple-choice questions must be completed in full by all participants willing to enroll into the onsite practical sessions (*released and linked on this page at the beginning of 2024*)

During this course the attendees will be divided in groups and will perform exercises on phantoms under the supervision of the course faculty member and assistants.

Each group will rotate in 5 active treatment rooms -equipped with all necessary technical supplies- in order to be exposed and perform different Laser procedures.

## LEARNING OBJECTIVES

1. Understand the principles of LASERS and Alternative Light Sources currently used in modern dermatology
2. Recognize key technical and procedural innovations to safely and efficiently perform light-based procedures
3. Identify dermatologic indications suitable to be selectively treated by modern LASERS and Alternative Light Sources
4. Develop adequate confidence in performing advanced LASER procedures to treat selected skin alterations
5. Understand principles and strategies to optimize wound-healing processes minimizing side effects and prolonging positive clinical results
6. Recognize, prevent, and properly treat possible complications and side effects

## FACULTY

**Course Chair:** Leonardo Marini

**Speakers:** Albert Wolkersdorfer, Uwe Paasch, Paolo Bonan

**Tutors:** Susanna Marini, Vera Trashlieva, Tina Kacin

## PROGRAMME

### **Wednesday, 10 April 2024**

14:00-14:30 Registration

14:30-14:45 Welcome from the EADV and the Faculty members

#### 14:50-16:30 **Prepare for Action (PA)-1**

Following this session, attendees will familiarize with all steps, accessories, products, and procedures to be implemented before operating Laser and Light sources in Dermatologic Practices. Groups of attendees will rotate in different "action rooms" where the EADV Faculty present and demonstrate how to correctly prepare for action:

- PA 1/1 Local antisepsis and anesthesia in laser and light dermatology  
*Susanna Marini; Tina Kacin*
- PA 1/2 Laser safety protocols (Patients – Staff – Medical Environment)  
*Leonardo Marini; Vera Trashlieva*

- PA 1/3 Primary skin care before and after laser and light procedures  
*Paolo Bonan*
- PA 1/4 Surgical marking and photographic documentation  
*Albert Wolkersdorfer*
- PA 1/5 Intra-operative haemostasis techniques  
*Uwe Paasch*

16:30-16:50 **Coffee break**

16:50-18:30 **Prepare for Action (PA)-2**

- PA 1/6 Patient, staff, and equipment positioning during and after laser and light procedures –  
*Paolo Bonan; Tina Kacin*
- PA 1/7 Decontaminating and cleaning laser and light optics, spacers, handpieces, eye protection  
*Leonardo Marini; Susanna Marini*
- PA 1/8 Implementation of preliminary pre-operative, intra-operative, post-operative equipment control checklist  
*Albert Wolkersdorfer*
- PA 1/9 Digital imaging systems to evaluate clinical results  
*Uwe Paasch*

**Thursday, 11 April 2024**

09:00-11:00 **Interactive Discussion + Hands-on exercises 1**

(ID Interactive Discussion - 30min per each session)

Following this session attendees will familiarize with advanced LASER and Alternative Light Sources proposed for specific clinical indications. Groups of attendees will rotate in different “action rooms” where the EADV Faculty present, discuss and supervise hands-on exercises:

- ID 1/1 Surgical Lasers (10,600-nm CO<sub>2</sub> –2940-nm Er:YAG) and potential complications –  
*Paolo Bonan*
- ID 1/2 Vascular Lasers (595-nm PDL – 755-nm Alexandrite – 1064-nm Nd:YAG) and potential complications  
*Albert Wolkersdorfer*
- ID 1/3 Q-S (nano-picosecond) Lasers and potential complications  
*Leonardo Marini; Susanna Marini*
- ID 1/4 IPL systems and potential complications  
*Uwe Paasch; Vera Trashlieva*

11:00-11:15 **Coffee break**

11:15-12:40 **Interactive Discussion + Hands-on exercises 2**

(ID Interactive Discussion – 30min per each session)

Following this session attendees will familiarize with advanced LASER and Alternative Light Sources proposed for specific clinical indications. Groups of attendees will rotate in different “action rooms” where the EADV Faculty present, discuss and supervise hands-on exercises:

- ID 2/1 LED systems and specific indications  
*Uwe Paasch*
- ID 2/2 Laser and IPL-assisted epilation – clinical tips and potential complications  
*Paolo Bonan; Vera Trashlieva*
- ID 2/3 Laser-assisted tattoo removal – clinical tips and potential complications  
*Leonardo Marini; Susanna Marini*
- ID 2/4 Laser-assisted pigmented lesions removal – clinical tips and potential complications –  
*Albert Wolkersdorfer*

12:40-14:40 **Lunch break**

14:40-16:40 **Interactive Discussion + Hands-on exercises 3**

(ID Interactive Discussion – 30min per each session)

Following this session attendees will familiarize with advanced LASER and Alternative Light Sources proposed for specific clinical indications. Groups of attendees will rotate in different “action rooms” where the EADV Faculty present, discuss and supervise hands-on exercises:

- ID 3/1 Laser-assisted vascular lesions photo-thermal coagulation-clinical tips and potential complications  
*Leonardo Marini; Susanna Marini*

- ID 3/2 Laser-assisted PDT – clinical tips and potential complications  
*Uwe Paasch*
- ID 3/3 Laser-assisted scar remodelling – clinical tips and potential complications  
*Albert Wolkersdorfer*
- ID 3/4 Laser-assisted rejuvenating procedures – clinical tips and potential complications  
*Paolo Bonan; Vera Trashlieva*

16:40-17:00 **Coffee break**

17:00-18:20 **Interactive Discussion + Hands-on exercises 4**

(ID Interactive Discussion – 30min per each session)

Following this Session attendees should be able to familiarize with advanced LASER and Alternative Light Sources proposed for specific clinical indications. Groups of attendees will rotate in different “action rooms” where EADV Faculty present, discuss and supervise hands-on exercises

- ID 4/1 Laser-assisted skin tightening - clinical tips and potential complications  
*Albert Wolkersdorfer; Susanna Marini*
- ID 4/2 Laser-assisted body reshaping - clinical tips and potential complications  
*Leonardo Marini; Vera Trashlieva*
- ID 4/3 Laser-assisted rosacea and active acne treatment- clinical tips and potential complications  
*Uwe Paasch; Tina Kacin*
- ID 4/4 Laser-assisted melasma control - clinical tips and potential complications  
*Paolo Bonan*

20:30-22:30 **Networking dinner with faculty members and participants**

**Friday, 12 April 2024**

09:00-11:00 **Interactive Discussion + Hands-on exercises 5**

Following this session attendees will rehearse what learned during ID 1,2,3,4 Groups of attendees will rotate in different “action rooms” where the EADV Faculty will discuss and supervise hands-on exercises:

- ID 5/1 Surgical lasers  
*Paolo Bonan*
- ID 5/2 Vascular lasers  
*Albert Wolkersdorfer*
- ID 5/3 Q-S lasers  
*Leonardo Marini; Susanna Marini*
- ID 5/4 Side effects and complications  
*Uwe Paasch; Vera Trashlieva*

11:00-11:20 **Coffee break**

11:20-12:00 **Wrap-up**

12:00 **End of the course**

*The programme might be subject to changes.*

**EADV Headquarters**

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