



# Laser Medicine

Residents and specialists Course | 25-27 August 2022 | Geneva, Switzerland

## Description

Laser medicine is an integral part of the dermatological armamentarium and is used to treat medical conditions and aesthetic concerns alike. Unfortunately to this date university-based teaching of the complete field of laser medicine is still not possible in a large number of universities due the purchasing and maintenance costs of multiple devices. In this course well-seasoned laser practitioners will share decades of personal experience and will be given the opportunity to explain, which dermatological indications respond well to laser therapy, and which do not.

## Learning Objectives

1. Basic understanding of the physics and theories of laser medicine
2. Basic comprehension of dermatological conditions treatable with laser medicine
3. Satisfying 50/50 combination of theoretical and hands-on teaching

## Faculty

Speakers: Hans-Joachim Laubach, Ashraf Badawi, Joeri Pünchera, Albert Wolkerstorfer

Tutors: David Alvarez, Egle Janusonyte, Giuseppe Russo

## Programme

### Thursday, 25 August 2022

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13:45 – 14:00 Opening remarks and introduction

14:00 – 14:45 The basics of ablative laser techniques - *Hans-Joachim Laubach*

14:45 – 15:30 The basics of fractional photothermolysis - *Joeri Pünchera*

15:30 – 16:00 **Coffee break and change of room**

16:00 – 18:00 Practical session I:

- Understanding ablative techniques on skin samples, coagulation, ablation, tissue dissection

*Joeri Pünchera and David Alvarez*

- Understanding fractional ablative photothermolysis

*Albert Wolkerstorfer and Giuseppe Russo*

- Understanding fractional non-ablative photothermolysis

*Hans-Joachim Laubach*

- Understanding ablative laser techniques on skin samples, coagulation, ablation, tissue dissection

*Ashraf Badawi and Egle Janusonyte*

## Friday, 26 August 2022

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- 08:30 – 9:00 The basics of selective photothermolysis - *Hans-Joachim Laubach*
- 09:00 – 9:45 Laser and pigmentary lesions: Good and bad indications - *Albert Wolkerstorfer*
- 09:45 – 10:30 Laser and Vascular Lesions - *Albert Wolkerstorfer*
- 10:30 – 11:00 Coffee break and change of rooms
- 11:00 – 13:00 Practical session II:
- Understanding selective photothermolysis by hands-on session - q-switched Nd:YAG laser  
*Ashraf Badawi and Giuseppe Russo*
  - Understanding selective photothermolysis by hands-on session - pulsed dye laser  
*Joeri Punchera*
  - Understanding selective photothermolysis by hands-on session long-pulsed alexandrite and Nd:YAG  
*Albert Wolkerstorfer and David Alvarez*
  - Understanding selective photothermolysis by hands-on session with IPL -  
*Hans-Joachim Laubach and Egle Janusonyte*
- 13:00 – 14:30 Lunch Break
- 14:30 – 15:30 Energy-based devices: RF, US and others - *Ashraf Badawi*
- 15:30 – 16:00 Laser and Aesthetic Indications - *Ashraf Badawi*
- 16:00 – 16:15 Coffee Break
- 16:15 – 17:00 Medical Indications of Laser Medicine - *Albert Wolkerstorfer*
- 17:00 – 17:45 Case Presentations
- 19:30 Networking Dinner with faculty and participants

## Saturday, 27 August 2022

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- 08:30 - 09:15 Laser & Scars: not so scary anymore - *Ashraf Badawi*
- 09:15 – 10:00 Laser Hair Removal: The basics & more - *Joeri Punchera*
- 10:00 – 10:30 Coffee Break and change of rooms
- 10:30 – 12:00 Practical session III:
- Selective Photothermolysis IPL/Nd:YAG/PDL  
*Joeri Pünchera and Egle Janusonyte*
  - Traditional ablative thermolysis & fractional photothermolysis  
*Albert Wolkerstorfer, Hans-Joachim Laubach and Guiseppe Russo*
  - Laser safety  
*Joeri Punchera and David Alvarez*
- 12:15 – 13:00 Panel Discussion & Best-Case Award & Closing remarks

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