



MEDICAL VOICE CENTER

BLUE LASERS IN PHONOSURGERY HANDS-ON WORKSHOP

Friday, October 17, 2025

14:00 – 18:30

Saturday, October 18, 2025

8:30 – 17:30

WWW.MEVOC.DE

INTRODUCTION

Dear colleagues,

surgical laser procedures for different kinds of laryngeal lesions have reached a high level in the standard of care. Operations can be performed with various kinds of lasers and during office-based procedures or during surgery under general anesthesia. In this hands-on workshop, we will demonstrate the potential of the blue light laser and compare it with other lasers.

Together with our faculty member Prof. Ahmed Geneid from Helsinki we will present the potential that blue light lasers have for cutting as well as for photoangiolytic interventions. Lectures and demonstrations for typical applications, indications, and possible complications are presented and discussed with the attendees. Live surgeries in the office are another focus of our two-day workshop.

We are looking forward to your participation.
Welcome to Hamburg!

Markus M Hess, MD, PhD

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PROGRAM

Day 1: Friday, October 17, 2025

14:00	Registration
14:15	Welcome
14:30	Specific laser-tissue interactions; CO2 versus photoangiolytic lasers; thermal relaxation times; cutting properties; usefulness of 'pre-blackening'
15:15	What we must know: laser safety; anesthesia in laryngeal laser surgery
15:45	Laryngeal laser surgery - how to approach the larynx (TOLS, flexible endoscopy, percutaneous); fiber guiding instrumentation; telescope guided endoscopic fiber laser surgery with blue laser (Campos' technique)
16:15	- Coffee break -
16:30	Laser surgery of benign vocal fold lesions - polyps, cysts, edema, granuloma, scars, papilloma, leukoplakia, biofilm, angioma, capillaries & vessels
17:15	Premalignant dysplasia
17:45	Pitfalls & complications
18:00	Treatment of Reinke's edema in GA and in the office: techniques and energy settings
18:30	- end of day 1 -
19:00	Get-together at Poletto's Winebar



PROGRAM

Day 2: Saturday, October 18, 2025

8:30	Blue laser indications: vocal fold and ventricular fold mass reduction; partial arytenoidectomy; laryngoceles; large granuloma; synechia of anterior commissure; new approach for percutaneous fiber delivery
10:15	–Coffee break–
10:30	RRP–coagulation, carbonisation or ablation? Settings and effects; when surgery in the office and when in GA? RRP in the anterior commissure
11:00	Live surgery: Office-based treatment with fiber guided transnasal blue laser
12:00	–Lunch break–
12:30	Hands-on training: (small groups changing stations) Surgical training of laser tissue interaction with different lasers; hands-on trial of color/absorption effects; laser settings and energy delivery effects; cutting with blue lasers; hands-on lab training with channeled fiberoptics; fiber glass handling; pre-blackening effects
16:00	–Coffee break–
16:30	Special cases: selective photoangiolyis in professional singers; lasers for pitch raising surgery (LAVA, vocal fold mass reduction, epithelial 'tightening'); photoangiolytic lasers for treatment of dysplasia; role of NBI
17:00	General discussion, evaluation, certificates, closing remarks
17:30	Adjourn

GENERAL INFORMATION

Target Group:

ENT surgeons, laryngologists who want to expand their phonosurgical skills

Workshop Fee:

1.500 €

Registration:

Please contact
Bettina Hess, PhD
E-Mail: contact@mevoc.de
Limited number of participants



WE ARE LOOKING FORWARD TO SEEING YOU

Ahmed Geneid, MD, PhD
adj. Professor Laryngologist and Phoniatic Head of the Phoniatics Department Helsinki University Central Hospital, Finland
Markus M. Hess, MD, PhD, MEDICAL VOICE CENTER

Content:

Lectures, demonstrations, live-surgery, hands-on sessions, comparison of lasers, laser surgery in general anesthesia.

Location:

MEDICAL VOICE CENTER
(located in the building "Spectrum")
Entrance B, 5th floor
Martinistraße 64 · 20251 Hamburg
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Google Maps

