CORTELLINI
Perio Academy

Continuing education in dentistry

Advanced Level Training Workshop

Operative Microscope & Regeneration

Florence, Italy

October 7-10, 2026



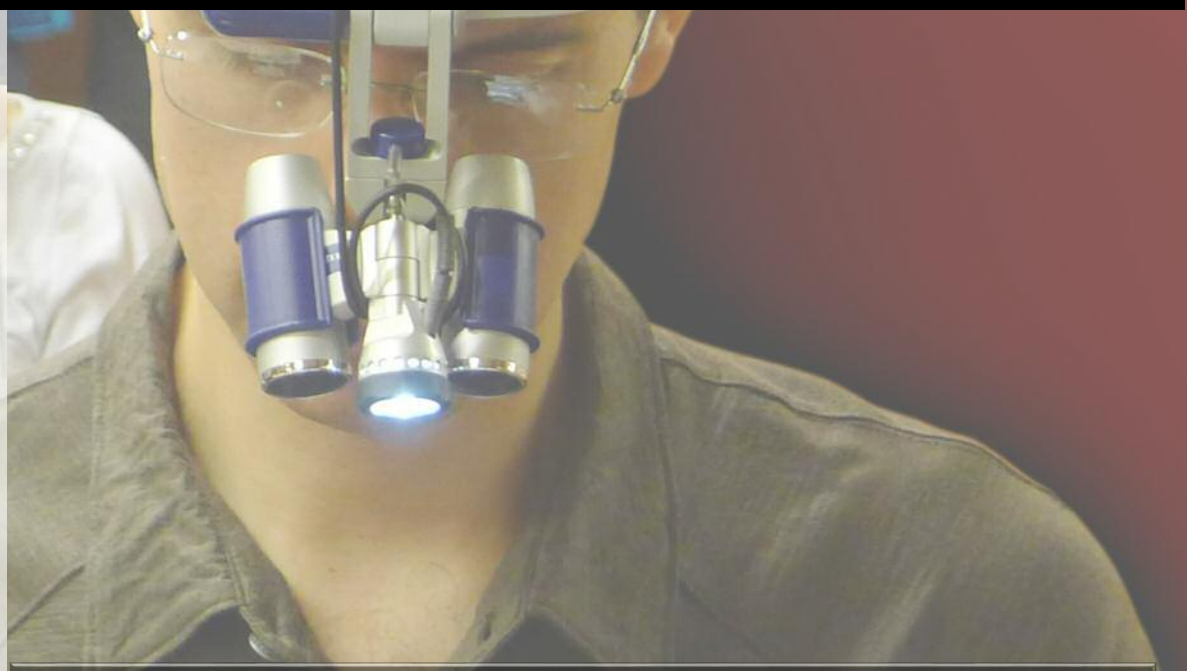
P. Cortellini



S. Cortellini



D. Bonaccini



Operative Microscope & Regeneration

4-day Full Immersion



Cortellini Perio Academy Training Centre

Via Carlo Botta 18 – Firenze

CORTELLINI
Perio Academy

2nd Level Training Workshop

Operative Microscope & Regeneration

Florence, Italy October 7-10, 2026

This **Advanced Training Workshop is a four-day immersion on the use of Operative Microscopes** in Periodontal Regenerative Surgery to improve surgical outcomes and reduce patient morbidity. The use of this device contributes to the application of innovative clinical concepts and surgical tips. The paradigm shift to periodontal regeneration, higher esthetic standard, increased indications in mucogingival surgery propels the adoption of this advanced technology. It is primary responsibility and mission of the Cortellini Perio Academy to conduct high-quality research and high quality education to understand therapeutic benefits of the use of the operative microscope, disseminate micro-surgical knowledge through our educational structure involving masterly classes and hands-on training, and collaborate with the industry to develop user-friendly and efficient devices and instruments.

Learning objectives

- How to select an operative microscope
- How to personalize and set an operative microscope
- How to find the proper operator position
- Working positions around the patient
- Working surgical flow with a microscope
- Microsurgical instruments and materials selection
- How to handle the instruments under a microscope
- The square knot and the slack principle
- Cutting under high magnification
- Flap handling under high magnification
- Suture placement under high magnification
- Regeneration and operative microscope
- Flap design and suturing techniques to apply MIST
- Flap design and suturing techniques to apply M-MIST
- Flap design and suturing techniques to treat furcations

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Day 1: Wednesday, October 7 (*9:00-13:00 –lunch– 14:00-18:00)*

Acquisition of state of the art knowledge and competence
Theory, 3D video demonstrations and hands-on surgical exercises

Clinical background

- Clinical objectives, indications, limits and prognosis of periodontal regeneration
- Preparation of the patient: step 1 & 2 of perio therapy and soft tissue preservation
- Assessment and management of patient and defect factors to increase predictability
- Diagnosis and control of endodontic conditions, tooth mobility and defect BOP
- The *new concept* for patient re-evaluation: how to favor soft & hard tissues healing

Surgical approach

- Tissue handling and flap design in intrabony defects
    - papilla preservation flaps
    - Microsurgery and minimally invasive surgery
    - Modified minimally invasive surgery



Day 2: Thursday, October 8 (*9:00-13:00 – lunch – 14:00-18:00)*

Acquisition of state of the art knowledge and competence
Theory, 3D video demonstrations and hands-on surgical exercises

Surgical approach

- Tissue handling and flap design in furcation defects
    - The class II “key-hole” defect
    - The class II furcation associated with intrabony
    - The class III furcations
    -

Microsurgery: a concept for high quality clinical applications.

- Physical and mental training to adopt a surgical microscope
- Setting the surgical microscope: mounts, balancing, focus, magnifications
- Position of the microscope and the patient, to reach all the sites in the oral cavity

Get Together at Dinner

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Day 3: Friday, October 9 (*9:00-13:00 – lunch – 14:00-18:00)*

Acquisition of state of the art knowledge and competence

Theory, 3D video demonstrations and hands-on surgical exercises

- Surgical sequence when working with a surgical microscope: how to modify the conventional approach
- Minimally invasive surgery in regenerative, surgery: highlights on the surgical details "visible" only with the adoption of microscope
- Microsurgical instruments: the microsurgical trey
- Microsurgical materials: microblades and sutures
- Soft tissue manipulation and wound healing
- Reaction of soft tissues to suture materials

Acquisition of the Practical Skills

Hands-on surgical exercises with Loops

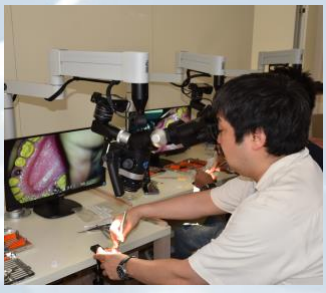
- Learn how to properly handle and balance the instruments
- The precison grip: *blade holder, needle holder, periosteal elevator*
- Suturing techniques (silicon model)
  - The square knot
  - The slack concept: how to adjust the suture tension
  - The proper distance of the suture bite to the soft tissue edge
  - Passing suture, Internal mattress sutures, external mattress sutures
  - Multilayer and monolayer suturing approaches

Acquisition of the Practical Skills

Hands-on surgical exercises with surgical microscope

- Setting the training microscope
- Apply suturing techniques under the microscope (silicon model)
- Multilayer and monolayer suturing approaches
- The square knot and the slack: *silk, PTFE, monofilament*
- Application of microsutures: the precision concept
- Refining instruments manipulation under increasing magnification
- Incision and dissection under the microscope
- Adjusting the pressure on manual instruments





Day 4: Saturday, October 10 (*9:00-13:00*)

Acquisition of the Practical Skills

Hands-on surgical exercises with surgical microscope

Hands-on training on silicon oral models: regenerative procedures

- The minimally invasive surgical technique
- The modified minimally invasive surgical technique
- The monolayer and multilayer suturing techniques

*Each participant will apply a sequence of hands-on exercises of increasing difficulty with an **operative microscope** on specifically designed models with step by step supervision of the speaker.*

All instruments and materials will be provided

(Participants are invited to bring 2.5-5x magnification device/loupe).





End of the Course and Certificate Celebration



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The Speakers



P. Cortellini

Pierpaolo Cortellini

Dr. Pierpaolo Cortellini received his MD from the University of Florence (Italy) in 1980, and his DDS in 1984 from the University of Siena (Italy). Visiting Professor at KU Leuven (Be) Dept. of Oral Health Sciences, he is the founder of the research non-profit organizations ATRO (Firenze, IT) and ERGOPerio (Berne, CH). He is Past President of the Italian Society of Periodontology and of the European Federation of Periodontology. Promoter and Coordinator of six "National Educational Projects" from SIdP, he was Scientific Chairman of Europerio 6 and of the 1st EFP Master Clinic. He runs a multidisciplinary private practice and a Private Educational Center in Florence (Italy). Dr. Cortellini is involved in clinical research in periodontology since 1982, with special emphasis for periodontal regeneration, mucogingival surgery and diagnosis. Dr. Cortellini lectures extensively on a national and international level; he is referee of the main scientific journals in the field of periodontology, and is the author of more than 150 original publications in scientific journals.



S. Cortellini

Simone Cortellini

Dr. Simone Cortellini graduated as a dentist in 2014 at the Radboud University of Nijmegen in Holland. In 2015 he joined part-time a postgraduate program in periodontology and oral implantology at the Catholic University (KU) of Leuven. In 2020 he graduated as an 'EFP certified' periodontist (MSc) . Aside from his clinical work in private practice (The Hague, NL and Florence, IT) he is a PhD researcher. The topic of his research is the application of autologous blood derivates for bone regeneration. He is a member of the Dutch Society of Periodontology (NVvP), European Federation of Periodontology (EFP) and European Association for Osseointegration (EAO). He is an author of several scientific publications in peer-reviewed journals and textbooks chapters. He lectures on a national and international level in the field of periodontology and implantology. In 2018 and 2019, he received the EAO "European Prize for Clinical Innovations in Implant Dentistry" during the EAO-meetings.



D. Bonaccini

Daniele Bonaccini

Dr. Daniele Bonaccini graduated as a dentist at the University of Florence (Italy) in 2008. Visiting Professor at the Dental Hygienist Program of Florence University in 2009-2011. He is a member of the Italian Society of Periodontology (SIdP) and of the European Federation of Periodontology (EFP). Since 2010 cooperates with Dr P. Cortellini in his multidisciplinary private practice and in his research and educational activities. He is co-author of several scientific publications in peer-reviewed journals.

Administration & Logistics

Cost of the course: € 3.500,00 (plus VAT 22%) per participant
(The cost includes lunches, coffee breaks, use of simulators, use of instruments and materials for hands-on and a typical Tuscan cuisine dinner)

Registration and payment through online registration form

Logistics. *The course takes place at*:

- Cortellini Perio Academy Training Centre, via Carlo Botta 18

Suggested Hotels

(You are invited to make your hotel reservation as soon as possible)

Hotel Grifone***, Via G Pilati, 20-22.
Phone +39 055 623300, www.hotelgrifonefirenze.com

Residence Forte 16***, Viale Gramsci 16
Phone +39 055/5321990, info@forte16.com, http://www.forte16.com

B&B Hotel Firenze City Center***, Viale G. Amendola 34
Phone +39 055 2343201, fi.center@hotelbb.com

Grand Hotel Mediterraneo****,** Lungarno del Tempio 44
Phone +39 055 660241, info@hotelmediterraneo.com

Contact. *For any information:*

