



**Cortellini Perio Academy**

*Continuing education in dentistry*

*Advanced Training Workshop*  
**on Microsurgery**

Florence, Italy

October 23–25, 2024



P. Cortellini



S. Cortellini



D. Bonaccini

**3–day Full Immersion**  
**On operative microscope,**  
**micro instruments & materials**

**Cortellini Training Centre**

Via Carlo Botta 18 – Firenze



**Cortellini Perio Academy**

*Advanced Training Workshop*

## **On Microsurgery**

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This **Advanced Training Workshop** is a three days immersion on the **use of Operative Microscopes** in Periodontal Surgery for improving surgical outcomes and reducing patient morbidity. The use of this device contributes to thorough examinations, precise tissue management, and removal of etiologic factors in periodontal and implant-related applications. The paradigm shift to surgical regeneration, higher esthetic standard, increased indications in mucogingival surgery will propel adoption of this useful 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 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**

#### **At device/instrument level**

- Provide higher magnification & coaxial illumination
- Facilitate use of microinstruments/microsutures
- Improve ergonomics

#### **At provider level**

- Enhance precision & improve tactile sensation
- Achieve higher visual acuity and fine motor skills

#### **At pre-clinical level**

- Induce less surgical trauma
- Achieve faster vascularization & provide wound stability

#### **At clinical level**

- Improve surrogate/true endpoints
- Improve patient centered outcomes

**Day 1:** Wednesday, 23 (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*

11. Periodontal regeneration in the global treatment plan: timing and interactions
12. Critical evaluation of periodontal regenerative materials
13. The application of regenerative surgery to intrabony & furcations
14. Multidisciplinary approach to periodontal regeneration: function and aesthetics
15. The perio – endo relationships
16. The application of regenerative surgery to hopeless teeth
17. Presentation and discussion of clinical flow-charts



**Day 2:** Thursday, 24 (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*

1. Microsurgery: a concept for high quality clinical applications.
2. Physical and mental training to adopt a surgical microscope
3. Setting the surgical microscope: different mounts, balancing, focus & magnifications
4. Position of the microscope and the patient, to reach all the sites in the oral cavity
5. Soft tissue manipulation and wound healing
6. Minimally invasive surgery in regenerative, resective & mucogingival surgery: highlights on the surgical details “visible” only with the adoption of microscope
7. Surgical sequence when working with a surgical microscope: how to modify the conventional approach
8. Microsurgical instruments and materials
9. **Hands-on training:** how to properly handle and balance the instruments
10. **Hands-on training with loops:** suturing techniques (silicon model)
  - Passing suture
  - Internal mattress sutures
  - Multilayer suturing approaches
  - Monolayer suturing approaches



**Get Together at Dinner**

**Cortellini Training Centre**



**Day 3:** Friday, 25 (9:00–13:00 – lunch – 14:00–18:00)

### Acquisition of the Practical Skills

Hands-on surgical exercises with surgical microscope

1. Choice of instruments and materials (Microsurgical tray)
2. Suturing techniques (silicon model)
  - Passing suture
  - Internal mattress sutures
  - Multilayer suturing approaches
  - Monolayer suturing approaches
3. Refining instruments manipulation under high magnification
4. Incision and dissection under the microscope
5. Microsurgery and micro-sutures (silicon model & chicken heart model)

#### Hands-on training on silicon oral models: Minimally invasive regenerative procedures

1. The minimally invasive surgical technique
2. The modified minimally invasive surgical technique
3. 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

### *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 1<sup>st</sup> 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.



P. Cortellini



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 derivatives 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 TO-1024:** € 3.500,00 (including VAT) 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:*

– DentIdea 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](http://www.hotelgrifonefirenze.com)

**Residence Forte 16\*\*\***, Viale Gramsci 16

Phone +39 055/5321990, [info@forte16.com](mailto: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](mailto:fi.center@hotelbb.com)

**Grand Hotel Mediterraneo\*\*\*\***, Lungarno del Tempio 44

Phone +39 055 660241, [info@hotelmediterraneo.com](mailto:info@hotelmediterraneo.com)

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