

**TWO FULL
DAYS OF CE**
20 Person Max

2 DAY LIVE EVENT

Friday-Saturday, July 23-24, 2021 • Los Angeles, CA

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\$2195
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Practical Microsurgery Improving Outcomes Through Precision in Intra-Oral Surgical Procedures

Homa H. Zadeh, DDS, PhD

Clinicians can only treat what they can see. Working under an operating microscope provides several advantages, including superior illumination, high degree of magnification, ability to perform precision dentistry and ergonomic posture. The outcome of surgical procedures depends on a variety of factors. Preservation of vascular supply is the key factor in wound healing. Microsurgery can significantly improve the outcome of flap management. Flap adaptation and suturing can be more precisely accomplished through an operating microscope. Perhaps the most critical aspect of intraoperative visualization is the method of illumination. The operating microscope provides superior illumination through "internal coaxial illumination", which means that the light passes through the optics. This form of illumination does not create a shadow, which is in contrast to external illumination of the operator light and loops, which can create shadow. Minimally invasive surgery seeks to preserve and protect healthy tissues and specifically directing the therapy to diseased tissues. The combination of increased magnification and superior illumination allows clinicians to perform minimally invasive surgery. The operative microscope also provides a great opportunity for documentation through still and video recording, which can be used for patient education, and presentation. This intense course introduces clinicians to the fundamentals of working under surgical microscope, as well as to provide practical experience with multiple surgical procedures to be completed under microscope. This will establish a level of comfort to begin the journey toward integration of surgical microscope, as a tool to improve clinical outcomes.

Educational Objectives:

- Introduction to the operating microscope: features and functions
- Para-focal adjustment and focusing
- Positioning of operator and patient
- Documentation under surgical microscope: still and video recording
- Integrate the skills practiced in the microsurgical training to increase competency for flap management.

Simulated Workshop and Live Surgery:

- Step-by-step operation of the surgical microscope
- Incision design, donor tissue harvesting and flap management under surgical microscope
- Suture techniques for improved flap adaptation under surgical microscope
- Immediate implant placement into fresh extraction sockets under surgical microscope
- Soft tissue augmentation: VISTA live surgery



Advanced Ergonomics in Microscope Dentistry

Juan Carlos Ortiz Hugues, DDS, MAMED, CEAS



The prevalence of general musculoskeletal pain in dental professionals (dentists and dental hygienists) ranges between 64% and 93% according to many studies, this affects job performance or, in the worst cases, disables the professional for days, or interrupt their professional career.

Some studies have suggested that musculoskeletal disorders (MSDs) develop over time as a result of incorrect working posture. For a dental professional, being aware of these disorders and preventive practices early in one's professional life can minimize the risk of onset of MSDs (Sakzewski & Naser-ud-Din, 2014).

One of the great benefits of practicing with the use of the surgical optical microscope is undoubtedly the improvement of posture, especially of the trunk and head, apart from ergonomic benefits in the work method that improve the economy of movements promoted by 4-handed dentistry. The microscope provides the dentist with the ability to perform dental procedures at the highest level of precision and excellence, but in our experience teaching its use, (for those who go untrained) there can be flaws that prevent the use of the microscope in an ergonomic and fluid way. This training will provide the parameters to use the microscope in a correct, ergonomic, stress-free, painless and fluid way in 100 percent of the cases and in all quadrants of the mouth.

Learning Objectives:

- Understand novel biomechanics concepts of the human body concepts and apply them in to the daily dental practice
- Address the full ergonomics potential of the use of the microscope in the dental practice to obtain the best performance in the day to day work
- Raise awareness of the importance of the biomechanics of the human body in seated work and with prolonged static posture and the use of the ergonomic stool.
- Promote a dental practice with the use of the microscope in 100 percent of the cases in a simple and systematic way



CLASSES WILL BE HELD AT:

VISTA Institute for Therapeutic Innovations • 6325 Topanga Canyon Blvd. • Suite 305 Woodland Hills, CA 91367
For more information, call: 813-444-1011 or fax: 813-422-7966

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