

Departments & Faculty

ENDODONTICS » MICROSURGERY TRAINING

Microsurgery Training

This intensive two-day, 16 CDE-credit course offers hands-on training and a demonstration of live surgery. Participants will learn all microscope adjustments, optimal operating positions, usage of ultrasonic instruments for isthmus and retropreparations, retrofilling of canals and advanced microsurgical techniques, as well as handling of new retrofilling materials, such as MTA.

Lectures

Concise training exercises are designed to familiarize participants with working comfortably under the surgical operating microscope and to introduce the latest microsurgical techniques and instruments. Topics covered in the Lectures include:

The microsurgery triad: illumination; magnification; instruments

Case selection criteria

Microsurgical instruments and their effective use

Ultrasonic retropreparation with KiS tips

The importance of managing and treating isthmuses

A “best” retrofilling material; SuperEBA or MTA?

Advanced microsurgery concepts: molar surgery without fear

Management of sinus perforation and mental foramen

Effective hemostatic techniques

Improved suturing materials

Guided bone regeneration techniques

Cooperation of the microsurgical team

Video print documentation: the key to effective communication with patients and referring dentists

Alternative to apical surgery: tooth replantation technique

Hands-On Training

Stage 1: The Microscope – Microscope focus, parfocal, and position exercises. Prepared extracted human teeth are used for apex and isthmus identification, retropreparation and retrofilling techniques with MTA.



Live Demonstration of Microsurgery:

The Center Director, Dr. Syngcuk Kim, demonstrates optimal positioning of the patient, the surgeon, and the assistant(s). Usage of various microsurgical instruments during an actual surgery and the concepts and principles discussed in the lectures are illustrated.

Stage 2: Microsurgery – Simulating the private practice setting, participants practice osteotomy, apicoectomy, ultrasonic retropreparation and retrofilling on dental mannequins. Live Demonstration of Microsurgery: The Center Director, Dr. Syngcuk Kim, demonstrates optimal positioning of the patient, the surgeon, and the assistant(s). Usage of various microsurgical instruments during an actual surgery and the concepts and principles discussed in the lectures are illustrated. Participants observe the microsurgery on a TV monitor in the conference room in real time and are encouraged to interact with the surgical team during the procedure via the two-way audio system.

Stage 3: Mannequin Microsurgery Practice – To build confidence and efficiency, participants practice complete microsurgical techniques on anterior, bicuspid and posterior teeth on dental mannequins under the microscope.

Stage 4: Communication with Referrers – To effectively communicate with referrers, participants learn how to document the surgery and to make videoprints to include in the case report.

Course Dates

March 19/20, 2012

April 16/17, 2012

May 14/15, 2012

June 11/12, 2012

September 10/11, 2012

October 8/9, 2012

November 5/6, 2012

Course Fee

\$2,200 (\$150 cancellation fee)

To register

Phone: 215-898-4617

Fax: 215-573-2148, [Download registration form](#)

All courses are held at the University of Pennsylvania School of Dental Medicine. The School reserves the right to cancel or postpone a course due to unforeseen circumstances.

Additional Programs

[Microendodontic Training](#)

[Penn Endodontic Global Symposia](#)

Contact