



The 11th
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Endodontics : The Utmost Values in Dentistry



Hands-on Course by FKG



Title	Anatomically Directed Endodontics
Speaker	Martin Trope University of Pennsylvania, USA
Date & Time	Oct. 4 (Thu), 09:30-12:30
Place	Hall E1 (3F)

****Maximum number of Attendees: 30**

Abstract

The root canal system is highly complex making cleaning during root canal treatment challenging. Many adjunct techniques have been tried to compensate for these shortcomings including; high concentration of NaOCl, EDTA, ultrasonication or by lasers technologies.

In this lecture, it will be explored the knowledge of the root canal internal anatomy and the ability and limitations of the conventional NiTi rotary systems available to predictably clean the root canal system.

Following this part it will be presented and described the recent and novel technologies on NiTi instruments to clean and shape the root canal minimally invasive however efficient and safe. The single shaping file XP-endo® Shaper and the finishing file XP-endo® Finisher will be presented and discussed. Preliminary studies on XPe files have shown remarkable removal of soft tissues, less dentinal chips on isthmus and canal walls after instrumentation, low dentinal stress (less micro cracks) and conservative instrumentation with low amount of dentine removed coronally with efficient cleanness on the apical third area.

Live demonstration on 3D teeth conducted under an OP microscope, and hands-on course.

The topics to present clinically: 1.Scouting complicated root canal anatomy with hands files and scouting NiTi files 2.Instrument the root canal with conventional rotary NiTi files and the new XPe-files 3.Irrigation protocol All participants will follow the same procedure and work on 3D teeth 3D teeth conducted under an OP microscope.

Objectives:

1. Understand the technological challenges and possibilities in endodontic instruments to predictably remove intra canal infection.
2. Present the physical and clinical characteristics of the new NiTi technologies
3. Demonstrate the clinical use of file lines