

BEKİR KARABUCAK



CV

Dr. Karabucak is Associate Professor of Endodontics-Clinician Educator, Director of the Postdoctoral Endodontics Program and Chair of Department of Endodontics. After earning his dental degree from Istanbul University School of Dental Medicine in 1993, Dr. Karabucak completed his endodontic postgraduate training at the Department of Endodontics at Penn, where he also received his Masters in Oral Biology in 1998. He later earned his DMD degree from Penn Dental Medicine in 2002. His research interests include the cellular mechanisms of vasodilation and the inflammatory mediators in the dental pulp, outcome assessment of endodontic treatments and the effects of dental materials on endodontic success. Dr. Karabucak lectures at national and international conferences, has published in peer-reviewed journals. He serves on the editorial advisory board of several international peer-reviewed dental journals. He is a Diplomate of the American Board of Endodontics. Dr. Karabucak has been the attending endodontist at the Children's Hospital of Philadelphia since 2005.

ANATOMICAL CANAL PREPARATION AND DISINFECTION

Three-dimensional instrumentation, disinfection and obturation of a canal system are essential for the success of a root canal treatment. Recently, new file systems called XP Shaper and Finisher file systems (FKG, La Chaux-de-Fonds, Switzerland) have been introduced featuring the MaxWire® Technology allowing files to expand and adapt the three-dimensional structure of root canal. This technique creates conservative canal preparation preserving more dentin tooth structure but, also, provides more efficient anatomical treatment of dentin surfaces. This presentation will explore the clinical applications, outcomes of XP file systems and the

technique in endodontic practice. The hands-on course will allow participants to practice XP canal instrumentation technique, and implement the knowledge learned during the seminar.

Learning Objectives

At conclusion, the participants should be able to:

- Understand the physical properties of XP file systems.
- Discuss advantages and limitations of XP file systems
- Learn the clinical application of XP file systems