Precision Endodontic Network
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Dr. Sam Kratchman received a B.S. in Biology and D.M.D. at Tufts University in Boston, and his certificate in endodontics from the University of Pennsylvania, where he is an Associate Professor of Endodontics and Assistant Director of Graduate Endodontics, in charge of microsurgery. Dr. Kratchman co-authored the textbook of Endodontic Microsurgery with Dr. Kim published in 2017 and developed a patented instrument called the S Kondenser for obturation of root canals. Both Main Line Today and Doctor of Dentistry magazines honored Dr. Kratchman as the cover story for their "Best of "issues.

Dr. Kratchman lectures nationally and internationally as well as maintaining four private practices; in Exton, West Chester, Paoli, and Bryn Mawr Pennsylvania.

Boards Review: Endodontic Microsurgery

Performing apical surgery has become much more predictable due to the technology in endodontics, involving the operating microscope, microsurgical instruments, CBCT, and the Piezotome. The lecture will cover all the major aspects of endodontic surgery, from classifications to armamentarium and show each step for performing successful apical surgery, backing up each section with past and current literature. We will discuss the importance of Bioceramic root end filling materials. Many clinical cases will be shown, utilizing these techniques and the use of a Piezotome to create a bone window when the cortical bone is thick. There will be a series of cases using various bone grafting and membrane materials, including the latest studies being performed on Platelet Rich Fibrin (PRF). The concept of selective curettage will be explained with recent literature. Success rates/prognosis with current surgical techniques will be discussed, including 3D healing. The objective of this lecture is to be prepared for the endodontic microsurgical portion of the board exam.

Course Objectives:

1. Indications and classifications for choosing microsurgery versus conventional retreatment
2. Step by step techniques for surgery based on past and current literature
3. Understanding the research and benefits of Bioceramic root end fillings
4. Knowing when to use bone graft/membranes during surgery
5. Learning the uses for Piezotome and potential benefits of PRF
6. Benefits of CBCT for surgery including treatment planning and healing