

The Ralph F. Sommer Endodontic Symposium

**“ENDODONTIC ENGINEERING = SAVING TEETH
A NEW ERA IN ENDODONTIC EXCELLENCE”**

**FRIDAY JUNE 14, 2019
TROY MARRIOTT HOTEL
TROY, MICHIGAN**

**Dr. George Goodis
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**RALPH F. SOMMER ENDODONTIC SYMPOSIUM 2019
SCIENTIFIC PROGRAM**

***“ENDODONTIC ENGINEERING = SAVING TEETH
A NEW ERA IN ENDODONTIC EXCELLENCE”***

7 HOURS – CONTINUING EDUCATION

FRIDAY JUNE 14, 2019

TROY MARRIOTT HOTEL

TROY, MICHIGAN

7:30 am to 8:00 am	Registration Opens
8:00 am to 9:00 am	Continental Breakfast
9:00 am to 10:30 am	Dr. Charles Goodis – Metallurgical Engineering “EdgeEndo/Saving Teeth - Heat Treated NiTi Rotary Files and Superior Results”
10:30 am to 10:45 am	BREAK with Exhibitors
10:45 am to 12:15 pm	Dr. George Bogen – Pulp Tissue Engineering “Vital Pulp Rescue Therapy/Saving Teeth - Clinical and Biological Considerations”
12:15 pm to 1:30 pm	LUNCHEON
1:30 pm to 3:00 pm	Dr. Stephen Buchanan – Navigational Engineering “Dynamically Guided Endodontics/Saving Teeth – Robotic Endo”
3:00 pm to 3:15 pm	BREAK with Exhibitors
3:15 pm to 4:45 pm	UM & UDM Resident Research Presentations
4:45 pm to 5:30 pm	Panel Discussion

EVENT SPEAKER



Dr. Charles Goodis

9:00 am to 10:30 am

“EdgeEndo/Saving Teeth - Heat Treated NiTi Rotary Files and Superior Results – New Endo File Breakthrough “Edge Coil” Single File Shaping – One File That Expands and Contracts From 20/04 to 50/06”

Course Description:

Developments in the heat treatment and design of NiTi rotary instruments have led to enhancements in root canal shaping and cleaning. These improvements have produced instruments that are more flexible and resistant to cyclic fatigue. This allows better treating and keeping the shape of complex root forms. Heat treatment can enhance the advantages and diminish the disadvantages of different NiTi instrument designs. An understanding of the underlying metallurgical properties allows instrument optimization in relation to cyclic fatigue, bending and torsional stress results.

Learning Objectives:

1. Review how heat treating can enhance NiTi instruments
2. How heat treated instruments are better to address complex root forms
3. Understand the metallurgy of superior NiTi instruments
4. How to efficiently incorporate this new technology into the daily practice

Dr. Charles Goodis majored in mechanical engineering and attended dental school at the University of Michigan. He then worked as chief dentist for the United States Public Health Service followed by a GPR at the University of Minnesota. He completed his Endodontic training at the University of Connecticut. He maintains his own private practice in Albuquerque, New Mexico. He is Founder and CEO of Edge Endo and has patented, and manufactured, heat treated NiTi rotary and reciprocating instruments.

KEYNOTE SPEAKER



Dr. George Bogen

10:30 am to 12:15 pm

“Vital Pulp Rescue Therapy/Saving Teeth - Clinical and Biological Considerations for Predictable Long Term Outcomes”

Course Description:

Our understanding of pulp biology, inflammatory immune responses, pulpal repair mechanisms and enhanced treatment strategies combined with advanced bioceramic materials have catalyzed a new frontier in vital pulp therapy. Reclassification of the criteria for pulp inflammation responses can guide conservative decisions in endodontic treatment planning that can benefit patients. The modalities and materials necessary for predictable outcomes of carious exposures will be reviewed. Along with important restorative considerations for long term optimal outcomes.

Learning Objectives:

1. Identify compromised teeth that would benefit from Pulpal Therapy
2. Describe the procedure for the application of MTA for Pulpal Therapy
3. Describe enhancement of long term prognosis of teeth following treatment
4. Explain advances in tissue engineering and their potential to improve outcome

Dr. George Bogen maintains a private endodontic practice in Los Angeles, California. Dr. Bogen received his dental degree in 1978 and his certificate in endodontics in 1995, both from USC. He lectures for the postgraduate departments at UCLA, Loma Linda and the VA in Long Beach and is a former Clinical Assistant Professor of Endodontics at USC. He is the past President of the Southern California Academy of Endodontists, past secretary and trustee of American Association of Endodontists Foundation, currently a member of the Scientific Advisory Board for the Journal of Endodontics, past member of the AAE Corporate Relations Committee and a Diplomate of the American Board of Endodontics. He has published numerous research articles, textbook chapters and has lectured nationally and internationally.

KEYNOTE SPEAKER



Dr. Stephen Buchanan

1:00 pm to 3:00 pm

“Dynamically Guided Endodontics/Saving Teeth – The Operator monitors the instrument progression inside the canal system with instant Visual feedback/Robotic Endo”

Course Description:

The endodontic access sets the foundation for the endodontic procedure and is often stated to be the most critical and challenging aspect of conventional endodontics. An over-enlarged access greatly weakens the tooth while too small an access risks missing canal anatomy. In addition, teeth with calcified pulp chambers and canals significantly increase the difficulty of the procedure. Dynamic navigation was developed in dentistry to aid with the placement of dental implants. Dr. Buchanan has adapted and further developed the technique to address the challenges in endodontics. Using dynamically guided endodontics, the operator is able to instantly have visual feedback via a monitor of the drill progressing inside the selected tooth. Dynamically guided endodontics has an end result of a minimally invasive access with localization of canal anatomy.

Learning Objectives:

1. Describe the difference between static and dynamically guided endodontics
2. Understand how to apply dynamic navigation to endodontic treatment
3. List the advantages of dynamic navigation over static guides for endodontic treatment

Dr. Buchanan has been lecturing and teaching hands-on endodontic courses for over 28 years, both in his state-of-the-art education laboratory in Santa Barbara, California as well as in dental schools and meetings around the world. His continual involvement in the research and development of new instruments and procedures has allowed him to teach at the leading edge of the specialty, as exemplified by his recent move into implant surgery.

Endodontic Resident Research Presentations



Dr. Neville McDonald, Program Director
University of Michigan
4:00 pm to 4:45 pm



Dr. Susan Paurazas, Program Director
University of Detroit Mercy
3:15 pm to 4:00 pm



Dr. Ralph F. Sommer
1898-1971



Dr. Ralph F. Sommer was the First Chairman of the Department of Endodontics at the University of Michigan from 1939 to 1967. The American Association of Endodontists was founded in February 1943 at the Palmer House in Chicago, Illinois. One of the Charter Members of the AAE was Dr. Ralph F. Sommer. He was elected the Second President of the AAE from 1944 to 1945 and was elected the First President of the American Board of Endodontics from 1956 to 1957. In 1984 the AAE established the Ralph F. Sommer Award which is given to the principle author of a publication of specific significance to the science and art of endodontology. In the Summer he would spend time at his home on Mackinac Island, Michigan and is buried there with his wife Margaret.

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Symposium Chair



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