



AMED-ENOVA SYMPOSIUM

OCTOBER 3-4, 2025 • MINNEAPOLIS, MN

Enova Institute • 6305 Sandburg Rd #100, Minneapolis, MN 55427



Presented by:

The Academy of Microscope Enhanced Dentistry, and Co-Sponsored by the MN AGD

All Presenters

Dr. William Linger
DDS, MAGD,
MAMED



Dr. Juan Carlos Ortiz Hugues
DDS, Specialist in
Endodontics,
CEAS II, AEP



Dr. Randy Shoup
DDS, FAGD,
MAMED



CE Codes for Lectures:

070
Endodontics
4.5 hours (all Hands-on)

250
Operative Dentistry
3.5 hours (all Hands-on)

010
Basic Sciences
3.5 hours



Dr. William Linger, **The Wonderful World of Microscopy: How the Highest Magnification Can Change Every Aspect of Your Practice**

The lecture will show how to integrate the Microscope into every procedure performed in dentistry from Oral Surgery to Pediatrics and everything in between. This introduction will dispel the myths about the dental microscope. You will see how the dental team can work productively and even more efficiently with the microscope while eliminating the neck back problems that 70% of dentists experience. 16 years ago, Dr. Linger began using the microscope for 100% of the procedures he performs.



Dr. Juan Carlos Ortiz Hugues **Introduction to High-Magnification and Applied Dental Ergonomics Efficient and Stress-Free Dental Practice**

The basic premise of ergonomics is to make the task fit the person, rather than making the person adjust to the task. Dentistry is one of the most demanding professions with a high incidence of musculoskeletal disorders, many professionals are retiring early because of neck, back, shoulder, arm, and wrist injuries. One of the greatest benefits of the dental operative microscope (DOM) use in dentistry is the increase in better ergonomics. The microscope solves two of the major problems in dentistry, lack of vision (magnification) and posture (focal distance) and that's why ideal neutral posture is generally not attainable while operating unless you use a microscope. Numerous studies have been conducted on the prevalence of work-related pain in dentistry and the results indicate that more than half of all practicing dental professionals experience work-related pain, with averages of 30% of early retirement due to musculoskeletal disorders in the USA.



Dr. Randy Shoup **Restoring the Posterior Dentition with Indirect Restorations and How to Restore the Endodontically Treated Tooth with No Post and No Full Coverage Crown**

This program will examine and give detailed descriptions of the philosophy, techniques, materials, supplies, and advantages of restoring the posterior dentition with partial coverage indirect ceramic restorations. The participant will also learn how to restore an endodontically treated tooth utilizing a reinforced internal ferrule created by using Kevlar fibers and a glass reinforced restorative composite. This program will provide detailed descriptions of the procedures as well as video recordings of the procedures.

Dr. Juan Carlos Ortiz Hugues

Endodontic Guided by Principles - High Quality And Efficient Endodontics Using the Dental Microscope - Hands-on Workshop

Endodontic challenges are among the most extraordinary complexities in dentistry; root canal treatment must be approached precisely by general dentists with evidence-based science, protocols, and management guidelines. The technical skills needed from the access, the root canal filling, and the final restoration need to be guided by simplified principles that can raise the level of expertise for the GP and change the spectrum of case resolution in daily practice, all with the precision benefits of high magnification.

AMED/Minnesota AGD Hands-On Workshop

How to Restore the Endodontically Treated Tooth with No Post and No Full Coverage Crown: A Biomimetic Approach to Adhesive Dentistry

In this workshop the participants will restore an endodontically treated molar using a high density and high molecular weight fiber system as well as a glass rod reinforced composite to create an internal support system. The participants will have the opportunity to restore an anterior tooth with the same system.



ACADEMY OF MICROSCOPE
ENHANCED DENTISTRY



https://mnagd.org/

PRICING

MEMBERS:	
Lecture/Hands-On	\$675
<small>(Lecture 8 hrs/Hands-On 5 hrs - Total 13 credits. Participants must do both)</small>	
Lecture (8 credits)	\$300
Staff	\$150
NON-MEMBERS:	
Lecture/Hands-On	\$750
<small>(Lecture 8 hrs/Hands-On 5 hrs - Total 13 credits. Participants must do both)</small>	
Lecture (8 credits)	\$375

SPEAKER SCHEDULE

FRIDAY, OCTOBER 3

8:00-8:45am.....	Bill Linger
9:15-10:45am.....	Randy Shoup
10:45-11:45am.....	Juan Carlos Ortiz Hugues
11:45am -12:45pm.....	LUNCH

HANDS-ON WORKSHOPS

12:45 -2:15pm.....	Juan Carlos Ortiz Hugues
2:30-5:30pm.....	Juan Carlos Ortiz Hugues

SATURDAY, OCTOBER 4

Minnesota Workshop - 1/2 Day Program	
8:30am-12:00pm.....	"How to Restore the Endodontically Treated Tooth with No Post and No Full Coverage Crown"

Cancellation Policy Cancellations received in writing up to (14) business days prior to the event date will receive a refund - minus a 20% percent handling fee. If the cancellation is received less than (14) business days prior to the event date, the entire fee is non-refundable.

Register at: www.microscopedenistry.com or 813-444-1011



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Dr. William Linger

The Wonderful World of Microscopy: How the Dental Microscope Can Change Every Aspect of Your Practice

COURSE DESCRIPTION:

The lecture will show how to integrate the Microscope into every procedure performed in dentistry from Oral Surgery to Pediatrics and everything in between. This introduction will dispel the myths about the dental microscope. You will see how the dental team can work productively and even more efficiently with the microscope while eliminating the neck back problems that 70% of dentists experience. 16 years ago, Dr. Linger began using the microscope for 100% of the procedures he performs.

BIOGRAPHY:

Dr. Linger is a general dentist in Charlotte, North Carolina. He has a concierge dental practice focused on multidisciplinary care and sedation. What should have been a career ending neck injury led him into microscopy, and 16 years later his practice is more productive than ever. Dr. Linger is a Master of the Academy of General Dentistry, Master of the Academy of Microscope Enhanced Dentistry, and Past President of AMED. He lectures all over the world on Microscope Dentistry as Online and Hands-On courses through the Dental Microscope Training Center in Charlotte, NC.



Dr. Randy Shoup

Restoring the Posterior Dentition with Indirect Restorations and How to Restore the Endodontically Treated Tooth with No Post and No Full Coverage Crown

COURSE DESCRIPTION:

This program will examine and give detailed descriptions of the philosophy, techniques, materials, supplies, and advantages of restoring the posterior dentition with partial coverage indirect ceramic restorations. The participant will also learn how to restore an endodontically treated tooth utilizing a reinforced internal ferrule created by using Kevlar fibers and a glass reinforced restorative composite. This program will provide detailed descriptions of the procedures as well as video recordings of the procedures.

LEARNING OBJECTIVES:

The students will learn:

- The advantages of partial coverage indirect ceramic restorations
- How to evaluate a tooth for the extent of the restoration
- The materials and armamentarium needed for the restorative process
- How to rebuild an endodontically treated tooth with no post in the root system and not having to utilize a full coverage crown.

AMED/Minnesota AGD Hands-On Workshop How to Restore the Endodontically Treated Tooth with No Post and No Full Coverage Crown: A Biomimetic Approach to Adhesive Dentistry

COURSE DESCRIPTION:

In this workshop the participants will restore an endodontically treated molar using a high density and high molecular weight fiber system as well as a glass rod reinforced composite to create an internal support system. The participants will have the opportunity to restore an anterior tooth with the same system.

LEARNING OBJECTIVES:

- Understand biomimetic adhesive dentistry and the principles of high strength bonding
- Understand and use high density, high molecular weight fibers to create an internal reinforcement for the tooth
- How to apply glass rod reinforced composite to restore the structural integrity of the endodontically treated tooth
- How to analyze and make decisions on the final form of the restoration needed to complete the reconstruction of the tooth
- Understand the principles of indirect milled ceramic systems and the critical analysis of preparation design and margin finishing.
- How to apply these principles to every endodontically treated tooth in any situation.



Dr. Juan Carlos Ortiz Hugues

Introduction to High-Magnification and Applied Dental Ergonomics Efficient and Stress-Free Dental Practice

Modality: One hour Lecture/Two hours hands-on

COURSE DESCRIPTION:

The basic premise of ergonomics is to make the task fit the person, rather than making the person adjust to the task. Dentistry is one of the most demanding professions with a high incidence of musculoskeletal disorders, many professionals are retiring early because of neck, back, shoulder, arm, and wrist injuries. One of the greatest benefits of the dental operative microscope (DOM) use in dentistry is the increase in better ergonomics. The microscope solves two of the major problems in dentistry, lack of vision (magnification) and posture (focal distance) and that's why ideal neutral posture is generally not attainable while operating unless you use a microscope. Numerous studies have been conducted on the prevalence of work-related pain in dentistry and the results indicate that more than half of all practicing dental professionals experience work-related pain, with averages of 30% of early retirement due to musculoskeletal disorders in the USA.

LEARNING OBJECTIVES:

- Learn and apply the principles of ergonomics in dentistry
- Learn how to prevent musculoskeletal disorders and the benefits of microbreaks and stretching during the workday.
- Address how to sit properly with good available stools in the operatory
- Understand the guidelines of selection and use of the ergonomic loupes
- Address the ergonomic benefits of the microscope in dentistry
- Incorporate a systematic positioning approach for operator and patient
- Address the four-handed dentistry concept for a workflow and efficient dental practice

TOPICS COVERED:

- Applied Ergonomics in dentistry
- The Ergo stool features
- Systematic positioning sequence guidelines
- Ergonomics Loupes
- Microscope dentistry
- Four-Handed Dentistry

PROGRAM:

One Hour Lecture - The Foundation of Dental Ergonomics and Introduction to High-Magnification and Applied Dental Ergonomics

Two hours Hands-On -

- Postural Awareness and Stretching Exercises
- Ergonomic Stool Adjustment
- Positioning Systematic Approach
- Ergo Loupes/Dental Microscope Adjustment
- Procedural Depth of Field Setting
- Mirror Skills and Tooth Prep for Peripheral Depth of field management under the microscope

Endodontic Guided by Principles High Quality and Efficient Endodontics Using the Dental Microscope - Hands-on Workshop

Duration: 3 hours • Modality: One hour Lecture and Two hours hands-on • Directed to: Endodontists and General Dentists

COURSE OUTLINE:

Endodontic challenges are among the most extraordinary complexities in dentistry; root canal treatment must be approached precisely by general dentists with evidence-based science, protocols, and management guidelines.

The technical skills needed from the access, the root canal filling, and the final restoration need to be guided by simplified principles that can raise the level of expertise for the GP and change the spectrum of case resolution in daily practice, all with the precision benefits of high magnification.

LEARNING OBJECTIVES:

The goal of this course is for new and experienced endodontists and general dentists to learn how to use the microscope efficiently and effectively for basic and complex endodontic procedures.

- Apply the principles of ergonomics in microscope dentistry to make you more comfortable and profitable in your workspace
- Address the benefits of high magnification in endodontic access, canal location and shaping canals
- Learn a simplified systematic approach for endodontic management guided by principles

PROGRAM:

One Hour Lecture Endodontic under the microscope Clinical Cases and procedural guidelines.

Two Hours Hands-On. Endo Access, Canal Location, Canals Shaping, Tagger Hybrid Obturation Technique.

BIOGRAPHY:

Juan Carlos Ortiz Hugues DDS, CEAS, AEP MAMED is a Specialist in Endodontics, a Master's in the Academy of Microscope Dentistry, and a Certified Ergonomic professional. He has published multiple articles in the USA and around the world. He is the author of the book Ergonomics Applied to Dental Practice. He provides lectures and training in the United States and around the world.



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