

Conservative Management of Grade III Tetracycline Staining Using Ultra-Thin Ceramic Veneers Assisted by Microscopy: A Clinical Case Report



ABSTRACT

Tetracycline-induced dental discoloration represents a significant challenge in esthetic dentistry due to its intensity and difficulty in masking. This case report describes the conservative management of a 41-year-old female patient with severe tetracycline staining (grade III) using ultra-thin lithium disilicate ceramic veneers (e.max Impulse

Opal 1). The procedure was performed under dental operating . . . [READ MORE](#)

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The AMED Board of Directors is charging into 2026 with bold goals, global growth, and an unwavering commitment to advancing excellence in high magnification dentistry!

Under the inspired leadership of our President, Dr. Juan Carlos Ortiz Hugues, the AMED Board is dedicated to:

- * Expanding continuing education opportunities through cutting-edge webinars, newsletters, and symposia.
- * Building powerful international connections, from the USA to Europe and Japan, to unite microscope dentists worldwide.
- * Supporting future Fellows and recognizing leaders who elevate precision, performance, and patient outcomes.

Our talented and passionate Board continues to drive AMED's mission forward, inspiring excellence, empowering growth, and connecting visionaries in microscopic dentistry worldwide.

Stay tuned for exciting announcements as we continue to shape the future of magnification dentistry together!

NEW MEMBERS



Welcome Our New AMED Members!

We're thrilled to welcome three outstanding professionals to the AMED community!



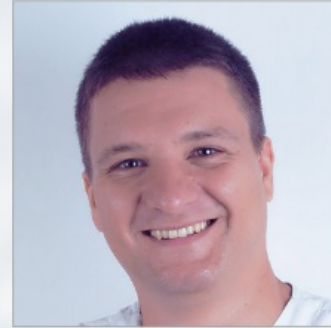
Dr. Tony Wu
Member at Large

Joining as a dedicated AMED Board Member, bringing his passion for excellence and innovation in microscope-enhanced dentistry.



Dr. Gergely Benyocs
European Ambassador

Appointed AMED European Ambassador, leading our efforts to expand AMED's presence across Europe through education, collaboration, and outreach.



Dr. Stefan Manea
Member at Large

Esteemed professor from Romania whose expertise and leadership will help strengthen our growing European network.

Together, they embody AMED's mission to advance clinical precision, collaboration, and global excellence in microscope dentistry. Welcome to the AMED family!

Dr. Tony Wu was born in New York City and spent his early years in Taiwan, Arizona, and California before returning to NYC to attend NYU College of Dentistry.

Having a full time general practice in midtown Manhattan, he focuses on minimally invasive restorative and surgical dentistry using the dental operating microscope.

He also enjoys being a clinical faculty at his alma mater where he teaches senior dental students advanced restorative techniques using the same conservative principles.

The microscope has transformed the way he practices general dentistry and he hopes to share this amazing way to practice with his fellow dentists and dental students.

Gergely Benyócs DMD graduated summa cum laude in 2001 at the Semmelweis University of Budapest, and completed his master's degree at the Uni's Department of Conservative Dentistry in 2003.

He also graduated in 2008 at The College for Modern Business Studies.

Specialized in endodontic treatments and owns the PreceDent Dental Office, serving high level endodontic treatments, using microscopic approach and cutting-edge technology.

His office is a certified training center for the three years post graduate endodontic program.

He was teaching at the Semmelweis University of Budapest from 2001 to 2003.

External lecturer at the University of Szeged, Faculty of Dentistry.

External lecturer at the Semmelweis University Budapest, Department of Restorative Dentistry and Endodontics, Faculty of Dentistry.

Member of the Hungarian Society of Endodontology and the New Jersey Association of Endodontists.

Chief editor of Endodoncia, the Hungarian endodontic journal.

Organizer and chairman of the Endodontic Congress at DentalWorld Budapest, which is the largest event in this field in the region.

Administrator of ROOTS, the premier global discussion forum for Endodontics.

National and international lecturer.

Dr. Stefan Manea

Lecturer, Department of Disciplines of Specialty Dental Medicine, Faculty of Dental Medicine, TITU MAIORESCU University, Bucharest, Romania

Graduated from CAROL DAVILA University of Medicine and Pharmacy, Bucharest, Romania -2005

Master of Science in Biomaterials from POLITEHNICA University of Bucharest -2008

PHD from TITU MAIORESCU University, Bucharest, Romania -2014

UPCOMING COURSES

Two Day Hands-on Courses

Charlotte, NC - November 7 & 8

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ENDODONTICS UNDER THE MICROSCOPE
High Quality and Efficient Endodontics Using the Dental Microscope for Endodontists and General Dentists

FULL MOUTH RESTORATIVE UNDER THE MICROSCOPE

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Two Day Hands-on Course November 7 & 8

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2025

- ✓ 2 Tracks - Advanced Endodontics or Full Mouth Restorative
- ✓ Real-World Operatory Training for Doctors and Their Clinical Team
- ✓ Learn Advanced Endodontics Using the Microscope for Both Endodontists and General Dentists
- ✓ How to Use the Dental Microscope to Improve Your Productivity and Efficiency
- ✓ Say Goodbye to Neck and Back Pain FOREVER!

SOLD OUT!

Transformational Dentistry Training - November 7 & 8 • Charlotte, NC

Every seat is officially taken and for good reason.

Dentists and clinical teams jumped at the chance to master Endodontics or Full Mouth Restorative Dentistry under the microscope, and this exclusive AMED experience is now completely SOLD OUT.

Here's what attendees will experience:

- * Real-world operatory training for doctors & their clinical teams
- * Fully equipped simulated operatories for true-to-life, hands-on learning
- * Master-level microscope techniques to elevate precision, efficiency & patient comfort
- * Strategies to eliminate neck & back pain, for good
- * Perfect for both seasoned experts and dentists ready to level up

Registration is now CLOSED and this event is SOLD OUT.

Want to be first in line for the next session? Check out the 2026 dates below.



ENDODONTICS UNDER THE MICROSCOPE

High Quality and Efficient Endodontics Using the Dental Microscope for Endodontists and General Dentists

Two Day Hands-on Course

2026

AMED
THE LEADER IN HIGH
MAGNIFICATION DENTISTRY

January 30 & 31
May 5 & 6
October 23 & 24




Unveil the untapped potential of Microscope Enhanced Dentistry through our cutting-edge course, designed to transform both seasoned users and enthusiastic newcomers alike. With AMED's high-level clinical training, immerse yourself in simulated training facilities equipped with state-of-the-art dental chairs featuring typodonts and ergonomic elements. Explore the intricacies of endodontic procedures, fine-tuning your skills in a unique learning environment that prioritizes working posture, positioning, and 100% microscope efficiency. Overcome endodontic challenges with hands-on experiences, honing precise hand movements, mastering magnification techniques, and confidently addressing every procedure. Optimize your working time and unlock the secrets of Microscope Enhanced Dentistry with AMED – where excellence meets expertise!

Instructors:

Dr. Juan Carlos Ortiz Hugues, DDS, CEAS, AEP
Dr. William Linger, DDS, FAGD

Two Day Hands-On Course
Charlotte, NC: **2026** - January 30 & 31, May 5 & 6, October 23 & 24

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 all endodontic procedures.

In this course you will learn

- **Unlike other endo courses, you will be working in an actual operatory with the microscope. You will learn how to use the microscope “in the real world” so that you can take the skills back to your office immediately.**
- Effective use of the Microscope in basic and complex endodontic procedures.
- Locating MB2 Canals on Maxillary Molars.
- Broken File Removal.
- Post Removal.
- Perforation management.

- Why the microscope is the standard of care for endodontic treatment.
- Why doctors struggle using the microscope and how you can shorten the learning curve.
- How to convince your referral sources why you should be doing the restorative access closure and post placement on endodontic teeth.
- Most common mistakes doctors make when using the microscope and how to avoid them.
- How the assistant can improve your efficiency and productivity during Endodontic procedures.
- Apply the principles of ergonomics in microscope dentistry to make you more comfortable and profitable in your workspace.
- Maximizing your investment in the dental microscope.

Course Fees

Member: \$2,195

Non-Member: \$2,395

2026

January 30 & 31

May 5 & 6

October 23 & 24

REGISTER TODAY

Two Day Hands-on Course

**FULL MOUTH
REHAB &
RESTORATIVE
UNDER THE
MICROSCOPE**

Unlock the full potential of
microscopic dentistry and
elevate your skills in
prosthodontics and
restorative dentistry

2026

January 30 & 31

May 5 & 6

October 23 & 24



Mastering the Art and Science of Microscopic Dentistry!

Unlock the full potential of microscopic dentistry and elevate your skills in prosthodontics and restorative dentistry through our exclusive seminar! Tailored for both seasoned Prosthodontists and General Dentists, this comprehensive course is your pathway to mastering the intricacies of efficient and effective microscope utilization across diverse procedures. Whether you're a newcomer eager to explore the world of microscopic dentistry or a seasoned practitioner seeking skill enhancement, our seminar provides invaluable insights that will transform your approach. Seize this opportunity to propel your career forward, deliver unparalleled patient care, and stay at the forefront of innovation in dental practices.

Instructors:

Dr. Juan Carlos Ortiz Hugues, DDS, CEAS, AEP
Dr. William Linger, DDS, FAGD

Two Day Hands-On Course

Charlotte, NC: **2026** - January 30 & 31, May 5 & 6, October 23 & 24

Course Objectives:

- Equip Prosthodontists and General Dentists with the skills to efficiently utilize microscopes in a wide range of procedures.
- Overcome common myths hindering the adoption of microscopic dentistry.
- Transform your dental assistant into a valuable asset, enhancing efficiency during prosthodontic procedures.
- Gain proficiency in implant placement through microscope-guided techniques.
- Navigate the learning curve of microscope use effectively.
- Improve workplace comfort, efficiency, and profitability through ergonomic principles in microscope dentistry.
- Maximize the return on your investment in dental microscopy.

Course Fees

Member: \$2,195

Non-Member: \$2,395

2026

January 30 & 31

May 5 & 6

October 23 & 24

REGISTER TODAY

INSTRUCTORS



Dr. Juan Carlos Ortiz Hugues, DDS, CEAS, AEP is an Associate Ergonomics Professional, Master of the Academy of microscope enhanced dentistry, CEAS II, and President of the Academy of microscope enhanced dentistry AMED. He is the author of the book Ergonomics applied to dental practice. He provides lectures, training, and advice in Advanced Dental Ergonomics throughout Latin America and the United States, mainly related to dental ergonomics.



Dr. Linger is a general dentist in Charlotte, North Carolina. He has a concierge dental practice focused on multidisciplinary care and sedation. 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 and Sedation.



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UPCOMING WEBINAR



THE LEADER IN HIGH
MAGNIFICATION DENTISTRY

Webinar

Magnification in Aesthetic Dentistry: Redefining Clinical Protocols

Saturday

November 22, 2025

10:00 am Eastern

Experience a breakthrough perspective on modern aesthetic dentistry. Join this transformative webinar to discover how dental magnification, especially through the use of the microscope, is reshaping precision, artistry, and clinical decision-making. See how enhanced visualization refines direct restorative techniques, elevates outcomes, and inspires a more minimally invasive, biologically respectful approach to care.

Members: \$10
Non-members: \$25

REGISTER NOW



Dr Rafael Piñeiro Sande

ZOOM IN: AMED INSIGHTS
October 2025 Editor



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