

Dr. Eli Eliav:

Chronic Pain Following Common Dental Procedures: Diagnosis, Mechanisms, and Treatment

When patients suffer from chronic pain or significant discomfort following routine dental treatment, we look for additional pathology in the painful area or for deficiencies in the treatment provided. Occasionally, we do not find anything that can be addressed and in spite of our efforts, the pain persists. These cases may be diagnosed as post traumatic trigeminal neuropathy. Indeed, chronic pain following invasive procedures is not unique to dentistry or the trigeminal system. Persistent pain can follow nerve injuries associated with a wide variety of therapeutic interventions. For example, more than 10% of women who undergo a caesarean section suffer from daily pain a year after the procedure. Nearly 40% of patients who undergo chest surgery still experience persistent pain two years later and more than 40% of patients who have a mastectomy due to breast cancer continue to suffer from persistent pain two to three years afterwards.

Considering the number of surgical interventions performed by dentists, the incidence of painful trigeminal traumatic neuropathies is either surprisingly low or largely undiagnosed.

Recent studies show that chronic orofacial pains are commonly related to various dental procedures with the most common complication following dental implant placement being neuropathy or altered sensory perception.

This session will discuss the differential diagnosis and treatment options for the various chronic pain and trigeminal nerve injuries developed following routine dental treatment. Peripheral and central mechanisms will be reviewed and representative-challenging cases will be discussed.

Burning Mouth Syndrome and Other Neuropathic Orofacial Pain Conditions: Diagnosis, Mechanisms, and Treatment

Neuropathic pain in the orofacial region, shares mechanisms and features with other dermatomes' neuropathic pain, yet it demonstrates specific characteristics. Conditions such as Burning Mouth Syndrome and Trigeminal Neuralgia occur solely in this region, while other conditions such as Painful Diabetic Neuropathy, one of the most common neuropathic conditions, rarely affects the orofacial region.

This session will discuss the differential diagnosis and treatment options for Burning Mouth Syndrome and other common Neuropathic Orofacial Pain conditions. Peripheral and central mechanisms will be reviewed and representative and challenging cases will be discussed.

Dr. Avishai Sadan:

Adhesively Retained Restorations: In Search of Minimally Invasive and Long Lasting Functional Solutions

With a conservative approach in mind, clinicians should be able to provide patients with minimally invasive, functional, highly esthetic, and long lasting solutions.

These solutions should take into consideration patient needs and desires, functional requirements, available materials, digital technology, and clinical approaches that can predictably simplify treatment execution for veneers, crowns and fixed prostheses. Indeed, novel conservative restorative techniques are able to combine a variety of treatment modalities that can be utilized to treat a large range of clinical situations including some that, until recently, were not considered possible.

This presentation will provide an evidence-based, systematic, and scientific approach for selecting the most appropriate esthetic treatment modalities with special emphasis on techniques and new materials design and selection. Patient cases that describe this treatment approach will be presented so that participants can readily apply these treatment concepts in their practice.

EDUCATIONAL OBJECTIVES

Upon completion of these sessions, attendees should be able to:

- 1) Understand challenges related to establishing a stable adhesive interface.
- 2) Choose adhesive solutions that are age appropriate to the case at hand.
- 3) Follow an evidence-based, decision-making tree for treatment planning adhesively retained restorations.
- 4) Understand the unique mechanisms of chronic pain in the orofacial region.
- 5) Recognize the association between dental treatment and chronic pain and be familiar with the scope of this condition.
- 6) Have knowledge of the risk factors associated with the development of persistent pain following invasive dental procedure.
- 7) Be familiar with a range of methods and tools used to diagnose and treat neuropathic orofacial pain.

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Avishai Sadan, DMD, MBA
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ABOUT THE SPEAKERS

Avishai Sadan, DMD, MBA
 Dean & G. Donald & Marian James Montgomery Professor of Dentistry; Herman Ostrow School of Dentistry, University of Southern California



Dr. Avishai Sadan is Dean and the G. Donald and Marian James Montgomery Professor of Dentistry at the Herman Ostrow School of Dentistry of USC in Los Angeles, CA. He is a respected prosthodontist, educator, and biomaterials researcher.

As Dean of the USC School of Dentistry, Dr. Sadan has spearheaded numerous educational and curricular innovations, including an emphasis on providing students with unique keystone experiences using the latest technologies and treatment modalities. He also focuses on maintaining the school's strong faculty legacy, especially through the hiring and mentoring of junior faculty members.

Dr. Sadan continues to grow the School's strongest research areas as well as foster the development of new basic and clinical science activities. Since 2012, the Ostrow School of Dentistry has received more research funds from the National Institute of Dental and Craniofacial Research than any other private dental school.

Under his leadership the school has received increased gifts and donations for endowment, facilities, scholarships, and other priorities. The gift to name the Herman Ostrow School of Dentistry in 2010 was the largest gift ever from an individual to a dental school.

Dr. Sadan was previously editor in chief of both Quintessence International and Quintessence of Dental Technology and has lectured and published nationally and internationally on Biomaterials, esthetics and implant dentistry. Prior to his arrival at USC in 2009, Dr. Sadan was the Associate Dean of Clinical Affairs and Professor and Chairman of the Department of Comprehensive Care at Case Western Reserve University School of Dental Medicine. He completed both a residency and a fellowship in prosthodontics at Louisiana State University School of Dentistry and obtained his DMD from the Hebrew University Hadassah School of Dental Medicine in Jerusalem. Dr. Sadan proudly wears his USC alumnus status after receiving his EMBA from the USC Marshall School of Business in 2014.

Conference Date and Location

June 3, 2016
 DoubleTree Hilton Hotel of Rochester
 1111 Jefferson Rd.
 Rochester, NY 14623



Eli Eliav, DMD, MSc, PhD
 Director, Eastman Institute for Oral Health; Vice Dean for Oral Health University of Rochester



Dr. Eli Eliav is the Director of the Eastman Institute for Oral Health at the University of Rochester Medical Center and Vice Dean for Oral Health within its School of Medicine and Dentistry. Dr. Eliav was previously the Chair of the Department of Diagnostic Sciences, the Director of the Center for Temporomandibular Disorders and Orofacial Pain and Carmel Endowed Chair in Algesiology at Rutgers School of Dental Medicine, part of Rutgers University (Previously University of Medicine and Dentistry at New Jersey).

Dr. Eliav earned his Dental Degree (1991), MSc (1995) and PhD (2004) from the Hebrew University Hadassah School of Dental Medicine in Jerusalem. He specialized in Oral Medicine at the Hebrew University Hadassah School of Dental medicine in 1995. He also trained in the clinical and basic science research program at the National Institute of Health from 1995-1997. Since 2008 he is the editor in chief of Quintessence International.

Dr. Eliav has published research and clinical manuscripts in peer-reviewed journals. His research focuses on orofacial pain, quantitative sensory testing, neuropathic pain, pain modulation and the role of inflammation in neuropathic pain.

Schedule of Events

- 7:45–8:30am....**Registration & Continental Breakfast
- 8:30–8:45am....**Opening Remarks
 Dr. Carlo Ercoli
Chairman & Program Director, Prosthodontics
- 8:45–10:30am.....**Lecture – Dr. Eli Eliav
- 10:30–10:45am.....**Break
- 10:45–12:30pm.....**Lecture – Dr. Avishai Sadan
- 12:30–1:15pm.....**Lunch & Resident Table Clinics
- 1:15–2:30pm.....**Lecture – Dr. Avishai Sadan
- 2:30–2:45pm.....**Break
- 2:45–4:30pm.....**Lecture – Dr. Avishai Sadan

Course Credits

Continuing Dental Education Credits: 7
 Eastman Institute for Oral Health has been designated as an approved sponsor by the New York State constituent of the Academy of General Dentistry and the ADA. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.



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Table clinics are presented by Eastman Institute for Oral Health's Prosthodontic residents.

For More Information

Barbara Coccia at 585-275-5043 or barbara_coccia@urmc.rochester.edu



Registration Fee

(includes breaks and lunch)

	Through May 20	After May 20
Dentists	\$335	\$355
Dental Technologists	\$205	\$225
EIOH FT/PT Faculty	\$195	\$215
Auxiliaries	\$145	\$165
Residents	\$50	\$70

Please Mail or Fax Your Registration by May 20

Cancellation: Tuition will be refunded until May 20 with a \$20 cancellation charge.

Hotel Reservation

DoubleTree Hilton Hotel of Rochester
 Brewer Conference Rate
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