

**“Material and Technique to Improve Posterior  
Composites,  
Prevention and non-surgical Treatment of Caries,  
and Bioactive Materials”**  
Continuing Education Course



Presented By: **Nathaniel Lawson, D.M.D., PhD**  
*Associate Professor, UAB School of Dentistry/ [www.aroraperio.com](http://www.aroraperio.com)  
Director of the Division of Biomaterials*

**6 credits** of Continuing Education (Nevada & California)

**Friday, November 15, 2024**

Registration & Continental Breakfast 7:30 a.m.  
Seminar 8:00 a.m. – 3:00 p.m. *lunch included*

Atlantis Hotel Casino Spa, Reno  
2<sup>nd</sup> floor Convention Center

**Course Outline**

7:30 – 8:00 am	Check-in & Cont. Breakfast
8 am – 12:00 pm	<b>Lecture – Session I</b>
12 pm – 1 pm	Lunch
1:00 pm – 3 pm	<b>Lecture – Session II</b>

Major Sponsor: **3M ESPE**

Hosted by:  **Northern Nevada  
DENTAL SOCIETY**



## **About the Speaker**

Nathaniel Lawson DMD PhD is the Director of the Division of Biomaterials at the University of Alabama at Birmingham School of Dentistry and the program director of the Biomaterials residency program. He graduated from UAB School of Dentistry in 2011 and obtained his PhD in Biomedical Engineering in 2012. His research interests are the mechanical, optical, and biologic properties of dental materials and clinical evaluation of new dental materials. He has published over 200 peer reviewed articles, book chapters, and research abstracts. He was the 2016 recipient of the Stanford New Investigator Award and the 2017 Innovative Research Fellowship both from the American Dental Association. He served on the American Dental Association Council of Scientific Affairs and is on the editorial board of *The Journal of Adhesive Dentistry* and *Compendium*. He has lectured nationally and internationally on the subject of dental materials. He also works as a general dentist in the UAB Faculty Practice.

## **Session I: Materials and techniques to improve posterior composites (3 hours)**

Posterior composite restorations remain the bread-and-butter procedure of many general dentists. Although this procedure may seem trivial, there are many clinical factors which lead to a long-lasting restoration, including diagnosis, isolation, caries removal, cavity preparation, use of liner, matrix and wedge placement, bonding technique, composite placement, and finishing and polishing. This course aims to review the techniques for each of these steps based on current evidence.

### *Course objectives*

1. Discuss treatment guidelines for interproximal caries and caries removal endpoints.
2. Discover materials and techniques to promote a long lasting adhesive bond and create a well-adapted restoration.
3. Analyze matrix utilization and contouring instruments to achieve a tight and well-contoured contact.

## **Session II: Prevention and non-surgical treatment of caries (1.5 hours)**

Despite our best efforts to restore natural dentition with adhesive dentistry, all restorations are inferior to natural tooth structure and susceptible to secondary caries. This lecture presents a simple approach for treating caries based on the risk factors of our patients. We will discuss new products and techniques used to arrest caries (such as Silver Diamine Fluoride) as well as review time-tested approaches (such as fluoride-containing products and diet modification recommendations). This course is friendly for the entire dental team (including dentists, hygienists, and assistants).

### *Course objectives*

1. Review four distinct types of high caries risk patients
2. Present protocols and techniques for treating each type of high caries risk patient
3. Review the evidence for fluoride

## **Bioactive materials (1.5 hours)**

*Bioactive* has become a buzz word in dentistry, however, many of us struggle to define exactly what that term means. This lecture will present the bioactive claims of both pulp capping materials and restorative materials as well as the evidence for these claims. Clinical examples of the use of these materials will be presented.

### *Course objectives*

1. Review the claims and evidence for bioactive pulp capping and restorative materials
2. Present clinical cases using these materials
3. Report some of the future directions of bioactive material development

## AN EXCELLENT COURSE FOR YOU and YOUR DENTAL TEAM



**\*MEMBERS:** On Thursday evening, 11/14/2024, Dr. Lawson will also be presenting at the NNDS General Membership Dinner meeting "Treatment of anterior Discoloration"; see enclosed flyer. If you are a member or a dental team member working for a member dentist you are valued; savings \$\$ are for you too.



**Your Investment/Cost:**

**MEMBERS:**

ADA/NDA/NNDS or NENDS Dentist, Staff Dentists <b>OR</b> first office person	\$ 300
Member's RDH & Staff (non-dentist)	\$ 150/person
Member Dentist Combo: CE & Dinner meeting *	\$ 330
Member's staff + Dinner Meeting	\$ 195/pp

**Non-Members: \*\***

Non-ADA/NDA/NNDS Dentist, Staff Dentist, <b>OR</b> first office person	\$ 450
Non-ADA/NDA/NNDS Additional Staff & RDH (non-dentist)	\$ 255/person

*(No combo event pricing offered for non-members, sorry)*

Doctor's Office: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

E-Mail: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Attendees:	Registration Amount
_____	_____
_____	_____
_____	_____
<i>Total:</i>	\$ _____

Checks Payable to: **Northern Nevada Dental Society**  
**5605 Riggins Court, Suite #101A**  
**Reno, NV 89502**

**OR**

Visa/MasterCard/Discover/Am Express # \_\_\_\_\_

Expir. date: \_\_\_\_/\_\_\_\_/\_\_\_\_

CVV code: \_\_\_\_\_

Name on Card: \_\_\_\_\_

*A cancellation fee of \$75 will be assessed if cancellation received 7or less days prior to course . Thank you.*

O: (775) 337-0296 ; fax (775) 337-0298 ; [nnds@nndental.org](mailto:nnds@nndental.org)

Online registration: <https://bestcardteam.com/NNDS/register.php?Event=NNDSCE1124>

**TO REGISTER ON-LINE go to [www.nndental.org](http://www.nndental.org)** click on 'Events'; go to 11/15/2024 for this Cont. Educ. Course or use QR code below:



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