

# Minimally Invasive Treatment of Proximal Lesions



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**CE Credits:** 1.5 hours

**Intended Audience:** Dentists, Dental Hygienists, Dental Assistants, Dental Students, Dental Hygiene Students, Dental Assistant Students

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**Cost:** Free

**Method:** Self-instructional

**AGD Subject Code(s):** 430

**Online Course:** [www.dentalcare.com/en-us/professional-education/ce-courses/ce627](http://www.dentalcare.com/en-us/professional-education/ce-courses/ce627)

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- Participants must always be aware of the hazards of using limited knowledge in integrating new techniques or procedures into their practice. Only sound evidence-based dentistry should be used in patient therapy.

**Conflict of Interest Disclosure Statement**

- Dr. MacLean has no conflicts of interest associated with this course. She has received honoraria from Elevate Oral Care, DMG America LLC, GC America Inc, Oral Science, NuSmile, and Procter & Gamble.

**Introduction – Proximal Lesions**

Minimally invasive treatment of incipient proximal caries lesions can help delay or even avoid entering the surgical restorative cycle and prolong the lifespan of the natural dentition. This course will review interventions using topical fluorides, silver diamine fluoride (SDF), and resin infiltration to arrest non-cavitated proximal lesions.

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## Overview

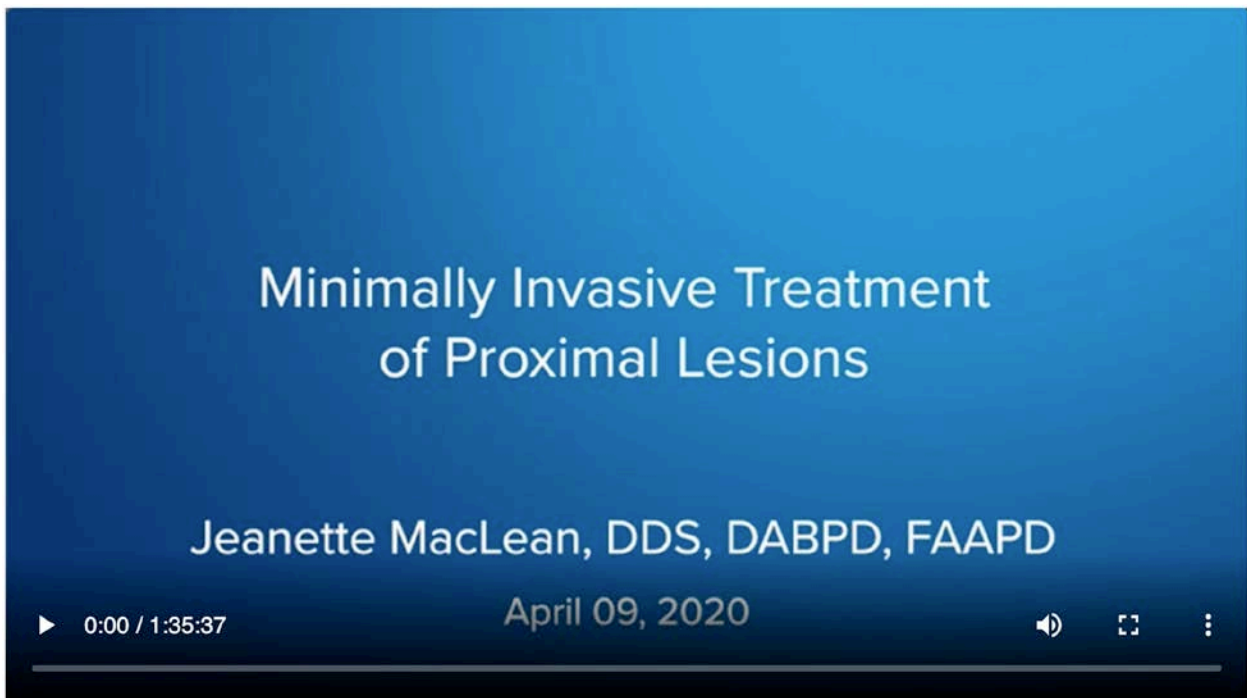
Delaying surgical treatment of non-cavitated, proximal lesions can prolong the lifespan of our patient's natural dentition. This course will review 5 nonsurgical strategies for managing incipient carious lesions; diet and hygiene counseling, prescription strength fluoride toothpaste, fluoride varnish (FV), silver diamine fluoride (SDF), and Icon resin infiltration.

## Learning Objectives

**Upon completion of this course, the dental professional should be able to:**

- Review the evidence for minimally invasive dentistry.
- Describe the clinical protocols for FV, SDF, and Icon.
- Review the pros and cons of each treatment option.

## Video



[Click on image to view video online.](#)

## Course Test Preview

To receive Continuing Education credit for this course, you must complete the online test. Please go to: [www.dentalcare.com/en-us/professional-education/ce-courses/ce627/test](http://www.dentalcare.com/en-us/professional-education/ce-courses/ce627/test)

1. **What is a SMART Filling?**
  - A. SDF Material Above Restorative Technique
  - B. Silver Modified Atraumatic Resin Treatment
  - C. Silver Modified Atraumatic Restorative Treatment
  - D. SDF Masked Restoration Technique
  
2. **Silver diamine fluoride was developed in the 1960's in Japan and first sold as Saforide in 1970, but it was not commercially available in the United States as Advantage Arrest until what year?**
  - A. 1980
  - B. 2015
  - C. 2018
  - D. 1995
  
3. **The main mechanism of action of SDF is \_\_\_\_\_.**
  - A. to block dentinal tubules and form fluorohydroxyapatite
  - B. to open dentinal tubules and allow resin infiltration
  - C. to form calcium
  - D. to turn decay black
  
4. **According to the literature, silver diamine fluoride arrests approximately what percentage of carious lesions?**
  - A. 100%
  - B. 80%
  - C. 50%
  - D. 25%
  
5. **What is the CDT code for Interim Caries Arresting Medicament, otherwise known as the SDF code?**
  - A. 1204
  - B. 1205
  - C. 1354
  - D. 1355
  
6. **Ideally, SDF should be applied to a lesion for at least how long?**
  - A. 10 seconds
  - B. 10 minutes
  - C. 1 minute
  - D. 5 minutes
  
7. **How much fluoride is in one drop of 38% SDF?**
  - A. 2.24mg
  - B. 38mg
  - C. 3.8mg
  - D. 0.38mg

- 8. Resin infiltration is indicated for caries arrest in lesions up to what depth?**
- A. E1
  - B. E2
  - C. Cavitated D1
  - D. Non-cavitated D1
- 9. Which type of rubber dam material must be avoided during the resin infiltration procedure to avoid being melted by the materials?**
- A. Latex
  - B. All non-latex
  - C. Non-latex with thermoplastic elastomers
  - D. Vinyl
- 10. What is the CDT code for resin infiltration?**
- A. 2990
  - B. 1354
  - C. 2999
  - D. 1355

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#### Additional Resources

- No Additional Resources Available.

#### About the Author

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Dr. Jeanette MacLean is a Diplomate of the American Board of Pediatric Dentistry, Fellow of the American Academy of Pediatric Dentistry, owner of Affiliated Children’s Dental Specialists in Glendale, Arizona, and mother of two. She received her dental degree, with honors, from the University of Southern California in 2003 and completed her specialty training in pediatric dentistry in 2005 at Sunrise Children’s Hospital through the University of Nevada School of Medicine. Dr. MacLean has become an internationally recognized advocate and expert on minimally invasive dentistry, appearing in newspapers, magazines, television, and continuing education lectures on this hot topic. Most notably, she was featured in the July 2016 New York Times article “A Cavity Fighting Liquid Helps Kids Avoid Dentists’ Drills,” which brought national attention to the option of treating cavities non-invasively with silver diamine fluoride.

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