

Professional fluoride products:

Mechanisms, formulations
and evidence

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Discover the science behind fluoride efficacy and application

Professional fluoride products — such as varnishes, gels, and foams — are essential in caries prevention, offering benefits that do not rely on patient compliance. But how well do we understand their mechanisms?

In this webinar, A/Prof Livia Tenuta will review the latest literature and explore the mechanisms, formulations and clinical applications of fluoride treatments.

The anticaries effect of these products is often assumed without fully considering the complex interplay between product formulation, clinical use, and mechanism of action.

Don't miss this opportunity to review the latest research on fluoride's impact in caries prevention.

By the end of this session, participants will be able to:

- Describe the mechanism of action of professional fluoride products
- Review the evidence behind professional fluoride products
- Identify the importance of product formulation for the intended anticaries effect

Get 1.5 CPD points for attending this webinar

Sign up now to save a spot

Date:
9 September 2025

Time:
7:00 PM - 8:30 PM (AEST, Sydney)
6:30 PM - 8:00 PM (ACST, Adelaide)
5:00 PM - 6:30 PM (AWST, Perth)

Register now

Meet the speaker

Associate Professor Livia Tenuta

DDS, MSc, PhD

Dr. Livia Tenuta is an Associate Professor at the Dept of Cariology, Restorative Sciences and Endodontics, University of Michigan School of Dentistry. Her research interests include the dental biofilm cariogenicity and the role of fluoride in caries prevention, caries control in older populations, and the use of data to improve caries outcomes, with 100+ peer reviewed manuscripts published in those areas.

For her research on caries and fluoride, she received the IADR Basil Bibby Award for young researchers in Cariology (2014), and more recently the IADR E.W. Borrow Memorial Award (2024).

Dr. Tenuta was the president of the Cariology Research group of the IADR (2011-2012) and member of the Advisory/Executive Council of ORCA (Organisation for Caries Research) (2013-2020). She is currently Editor-in-Chief of Caries Research, President of the Michigan Chapter of the AADOCR, and treasurer of the American Academy of Cariology.

Dr. Tenuta is a NIH-funded researcher, currently working on new strategies to enhance the anticaries effect of fluoride and to reduce the oral health burden of hyposalivation.