

CME Online Virtual Event

Seeing Toenail Fungus Differently: The Role of Stain in Visualizing Fungal Involvement

October 27, 2026
7:00 – 8:00 p.m. Eastern
Free

Accurate diagnosis of onychomycosis remains a challenge in podiatric practice, particularly when clinical findings overlap with other causes of nail dystrophy or conventional laboratory testing produces inconclusive results. This lecture will review current diagnostic approaches to onychomycosis and introduce the use of 0.5% methylene blue staining as a potential inexpensive point-of-care adjunctive tool for visualizing fungal involvement in the nail plate. Findings from a clinical study evaluating staining patterns in 136 toenails will be presented, with emphasis on the relationship between persistent staining and laboratory-confirmed infection. Practical applications, interpretation of staining results, limitations of the technique, and its potential role in clinical decision-making will be discussed.

Learning Objectives

Upon completion of this lecture, participants will be able to:

1. Identify the diagnostic challenges associated with onychomycosis and describe the limitations of conventional diagnostic methods, including KOH microscopy, fungal culture, and PCR.
2. Describe the principles and clinical application of methylene blue staining, including the interpretation of positive, negative, and inconclusive staining patterns in suspected onychomycosis.
3. Evaluate the clinical evidence supporting methylene blue staining as an adjunctive diagnostic aid and discuss how staining findings may be integrated with clinical examination and laboratory testing to guide patient assessment and management.

Intended Audience: Podiatrists and other medical professionals treating conditions of the lower

CME Online is accredited by the Council on Podiatric Medical Education as a provider of continuing education in podiatric medicine. CME Online has accredited this activity for a maximum 1 continuing education hour.

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Speaker



Monika Yazdanian, PhD, JD | Dr. Yazdanian is the CEO of ToeFX Inc., a Canadian medical device company specializing in innovative solutions for onychomycosis. She previously

served as Director of The Forge, McMaster University's startup incubator, and as Director of Research and Development at a solar cell laboratory at the University of Toronto. She holds a Ph.D. from Cornell University and a J.D. from Western University, bringing a unique blend of scientific, legal, and entrepreneurial expertise to her leadership at ToeFX.

Financial Disclosures: Dr. Yazdanian is co-founder of ToeFX, Inc. None of the planning committee members or any others who have influence over the content of this educational activity have any financial relationships with commercial interests to disclose.

No commercial interest provided financial support for this continuing education activity.

Attendance Verification Policy

You must be logged into the seminar for the entire length of the seminar to receive the maximum number of credits.

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