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SILVER IS THE NEW BLACK: SILVER DIAMINE FLUORIDE FOR THE SKEPTICS

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Traditionally dentinal caries is always managed by removing caries and restoring decay. Emergence of Minimal Invasive Dentistry the traditional surgical approach is changed to a medical model of prevention. Silver Diamine Fluoride (SDF) ability to prevent and halt progression of caries makes it different from other caries preventive agents. With application of SDF to a decayed surface, silver reacts with bacteria and dentin collagen to create a sclerotic silver-protein layer that is resistant to degradation. Hydroxyapatite and fluorapatite form along with metallic silver. The darkened treated lesion hardens over a few weeks, while the lesion depth decreases. The silver stays latent in the lesion, so it is available to kill reinvading bacteria. Evidence based dentistry has found 81 percent arrest of caries after used of SDF. There are a lot of misconceptions about the efficacy of SDF due to lack of formal education about it received FDA clearance in the United States for the use of desensitizing agent. This lecture will present systematic review, clinical indications, clinical protocol and consent procedure guide application of caries arrest treatment.

BIOGRAPHY

Shaista Rashid is Assistant Clinical Professor at University of New England College of Dental Medicine, USA. She completed her Bachelor of Dental Degree (BDS) from de 'Montmorency College of Dentistry Lahore, Pakistan. She completed her Master of Science (MS) degree and certificate in Operative Dentistry from University of Iowa College of dentistry USA. She served as faculty member in University of Iowa College of Dentistry, USA, University of Tennessee College of Dentistry Memphis TN, USA and University of Oklahoma College of Dentistry Oklahoma City USA.

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