Title: Non-fluoride management of the caries disease

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Abstract: Introduction:
Traditional management of caries lesion primarily was focused on operative treatment. This often started an irreversible, restorative cycle, leading to several replacements over time with increasing restoration size and every so often iatrogenic damage.
Dental caries forms through a complex interaction over time between acid-producing bacteria and fermentable carbohydrate, and many host factors including teeth and saliva. The acids that dissolve the dental hard tissues are produced by bacteria that are general members of the commensal microflora. Therefore, an antibacterial approach to manage caries by controlling or removing bacteria is a key issue in a modern noninvasive medical model of caries treatment. Effect of fluoride on caries prevention has been the subject of many researches. However fluoride is not the only material in non-invasive treatments.

Aim:
In the recent article we decided to review the other potential materials for non-invasive treatment protocols of dental caries; including:
• CHX
• CPP-ACP
• Povidone iodine
• Triclosan
• Laser irradiation
• Fissure sealant

Conclusion:
Preventive programs should include as many complementary strategies as possible, especially when directed toward caries-active patients. Therefore, any antibacterial intervention should be combined with fluoride program.

Caries, Prevention, Non-invasive treatments

Presentation: Poster