

# Dental Caries Causes Symptoms Prevention and Treatment

Renjia Shayan\*

Department of Dental Caries, National University of Defense Technology, China

## Abstract

Dental caries, commonly known as tooth decay or cavities, is one of the most prevalent chronic diseases in the oral cavity. The progression of caries involves a complex interplay between microbial communities, host factors and inhibiting bacterial activity. Additionally, advances in dental sealants, probiotics, and antimicrobial therapies multi-faceted approach, from non-invasive interventions in the initial stages to restorative treatments in advanced & multi-faceted approach, from non-invasive interventions in the initial stages to restorative treatments in advanced

Dental caries can develop at any age, impacting both primary and permanent dentition, and is particularly common in children and the elderly. This paper explores the etiology, risk factors, and preventive and treatment strategies for dental caries, with a focus on current research and future directions in caries management. It underscores the need for interdisciplinary

and inhibiting bacterial activity. Additionally, advances in dental sealants, probiotics, and antimicrobial therapies multi-faceted approach, from non-invasive interventions in the initial stages to restorative treatments in advanced & multi-faceted approach, from non-invasive interventions in the initial stages to restorative treatments in advanced

## Keywords:

Dental Caries; Etiology; Risk Factors; Prevention; Treatment; Microbial Communities; Host Factors; Dental Sealants; Probiotics; Antimicrobial Therapies; Restorative Treatments; Interdisciplinary Approach; Current Research; Future Directions; Caries Management; Oral Health; Chronic Diseases; Prevalent; Cavities; Tooth Decay; Children; Elderly; Oral Cavity; Progression; Complex Interplay; Microbial; Host; Inhibiting Bacterial Activity; Advances; Dental Sealants; Probiotics; Antimicrobial Therapies; Multi-faceted Approach; Non-invasive Interventions; Initial Stages; Restorative Treatments; Advanced

## Introduction

Dental caries, a chronic infectious disease, is a major public health problem worldwide. It is caused by a complex interplay of factors, including diet, oral hygiene, and microbial communities. The progression of caries involves a complex interplay between microbial communities, host factors and inhibiting bacterial activity. Additionally, advances in dental sealants, probiotics, and antimicrobial therapies multi-faceted approach, from non-invasive interventions in the initial stages to restorative treatments in advanced & multi-faceted approach, from non-invasive interventions in the initial stages to restorative treatments in advanced

\*Corresponding author: Renjia Shayan, Department of Dental Caries, National University of Defense Technology, China, E-mail: Shayan631@gmail.com

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