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**PREVENTIVE DENTISTRY TECHNIQUES IN THE TREATMENT OF DENTAL CARIES
AND BIOFILM CONTROL**

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The aim of this study is to summarize the data on subject of the biological mechanisms and recent advances in preventive dentistry prevention that prevent the formation tooth decay, including both traditional and novel techniques. The techniques covered prevent the formation of dental caries through two techniques either promoting the remineralization of the hard tooth surface or regulating the level and composition of the oral biofilm present in the mouth. Traditional technique covered include fluoride and calcium treatments that promote the remineralization of the tooth surface, and antibiotic therapy that attempt to regulate oral biofilm levels, such as chlorhexidine, essential oils, systemic antibiotics, and salivation stimulating therapies. Novel techniques are therapies that used antimicrobial peptides (AMPs), immunizations, and probiotics that may become important to dentistry in the near future. Dental caries management is a complex and dynamic process, but by reestablishing optimal oral health through preventive techniques, dentists can preserve tooth structures and avoid costly and extensive restorative treatments.