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Fluoride: A Review of Pre-clinical and Clinical Studies

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Abstract

Fluoride is ubiquitous in environment and profound in bones, teeth and calcified tissues of human body. Fluoride have been the topic of regular discussion and investigations. Besides its toxicity, fluoride have also been examined for its beneficial effects like prevention and treatment of tooth decay, microbial infection, inflammation, cancer, occurrence of renal stone and many more. Since last many decades, several efforts have been made at pre-clinical and clinical level to understand role of fluoride in biological system. The present review gives a brief account of prevalence, sources of fluoride toxicity and pre-clinical and clinical studies carried out on effects of fluoride in last six decades.

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