

Search for publications, researchers, or questions



or

Discover by subject area

Join for free

Log in

See all >

1 Citation

See all >

31 References



Download citation

Share ▾

Request full-text

# Curse of Fluorosis

**Article** in *The Indian Journal of Pediatrics* · January 2018 *with* 11 Reads

DOI: 10.1007/s12098-017-2574-z



Cite this publication



**M. M. Patil**



**Bhavana B. Lakhkar**



**Shailaja S Patil**

ORCID iD 17.18 · BLDE University

## Abstract

Fluoride was identified to have caries preventive properties and was widely used for fluoridation of water since 1940, especially in developed countries. After this there was sudden increase in the use of fluorides in food items and in oral medicinal products like toothpastes and mouth washes. Inadvertent use of above has led to increase in fluorosis as a public health problem. In many places high fluorides are naturally present in earth crust leading to high water

fluoride content increasing the risk of fluorosis. Maintaining a fine balance of fluorides in the body is mandatory for exploiting its advantages. World Health Organization (WHO) has fixed permissible limit of fluorides in water to 1.5 mg/L as a preventive step to contain fluorosis. Fluorosis has three clinical components: Dental, Skeletal and Non-Skeletal Fluorosis. It occurs with increasing level of fluorides in the body. Acute toxicity due to fluorides is also known and occurs as a result of sudden exposure to high levels of fluorides, usually by ingestion. Once fluorosis occurs it is irreversible without any cure. Only symptomatic and supportive management is possible. Hence prevention is the mainstay of management. Prevention is by using alternative sources of water or its de-fluoridation. National Program for Prevention and Control of Fluorosis (NPPCF) was launched in 2008–9 to identify areas with high fluoride content of water, manage the water bodies, screen schools and community for fluorosis and comprehensive management of cases. Improving quality of drinking water as per standards and improving nutritional status of children are also important components of prevention of fluorosis.

Do you want to **read the rest** of this article?

[Request full-text](#)

Citations (1)

References (31)

### Environmental Health of Children: Time to Translate Knowledge into Action

[Article](#) Feb 2018 · Indian J Pediatr

 Vinod H. Ratageri · H. Paramesh

[View](#)


## Recommendations

---

[Discover more publications, questions and projects in Fluorides](#)

Project

## NCD risk factor Survey (WHO -STEPS ) in Rural population , at Rural health training centre Ukkali , Vijayapur district

 Shailaja S Patil

Screening of adults in the age group of 25-64 years using WHO-STEPS survey module 1 & 2 is being done to create database of NCD risk factors in rural population. This project is funded by BLDE Unive..." [\[more\]](#)

[View project](#)

Article

## The history of water fluoridation

October 1991 · EDS magazine: official journal of the E.E.C. Dental Students Committee

The positive effects of fluorides on the enamel have been known for a hundred years now. The author leads his readers from research to the present use of fluoridation in dentistry.

[Read more](#)

Article

## Fluoridation

October 1994 · British dental journal · Impact Factor: 1.08

The role of the BDJ is to inform its readers of ideas, opinions, developments and key issues in dentistry - clinical, practical and scientific - stimulating interest, debate and discussion amongst dentists of all disciplines.

[Read more](#)

Article

## "H" is for hygiene.

January 1969 · Journal (Indiana Dental Association)

[Read more](#)

Article

## Three ways to beat the nation's dental problems: two old nags and a new charger

May 1968 · Journal - Connecticut State Dental Association

[Read more](#)

Article

## The role of the division of dental health services in a public preventive dental program

May 1973 · Journal of the Tennessee Medical Association

[Read more](#)

Discover more

Data provided are for informational purposes only. Although carefully collected, accuracy cannot be guaranteed. Publisher conditions are provided by RoMEO. Differing provisions from the publisher's actual policy or licence agreement may be applicable.

This publication is from a journal that may support self archiving. [Learn more](#)

Last Updated: 03 Feb 18

---

© 2008-2018 ResearchGate GmbH. All rights reserved.

[About us](#) · [Help Center](#) · [Careers](#) · [Developers](#) · [News](#) · [Privacy](#) · [Terms](#) · [Copyright](#) · [Impressum](#) | [Advertising](#) · [Recruiting](#)