# Brazilian Oral Research 

Print version ISSN 1806－8324

## Abstract

RIBEIRO，Daniel Araki；SCOLASTICI，Clarissa；MARQUES，Mari鈔gela Esther Alencar and SALVADORI，Daisy Maria F醰ero．Fluoride does not induce DNA breakage in Chinese hamster ovary cells in vitro．Braz．oral res．［online］． 2004，vol．18，n．3，pp．192－196．ISSN 1806－8324．doi：10．1590／S1806－ 83242004000300003.

Fluoride has been widely used in dentistry because it is a specific and effective caries prophylactic agent．However，excess fluoride may represent a hazard to human health，especially by causing injury to genetic material． Genotoxicity tests represent an important part of cancer research to assess the risk of potential carcinogens．In the current study，the potential DNA damage associated with exposure to fluoride was assessed by the single cell gel（comet）assay in vitro．Chinese hamster ovary cells were exposed to sodium fluoride（ NaF ）at final concentration ranging from 7 to 100 礸／ ml for 3 h ，at 37 瘚．The results pointed out that NaF in all concentrations tested did

## services

custom services
Article in pdf format
Article in xml format
Article references
How to cite this article
Access statistics
Cited by SciELO
Similars in SciELO
Automatic translation
Show semantic highlights
Send this article by e－mail not contribute to DNA damage as depicted by the mean tail moment and tail intensity．These findings are clinically important since they represent an important contribution to a correct evaluation of the potential health risk associated with the exposure to dental agents．

Keywords ：Sodium fluoride；Comet assay；Mutagenicity tests．

## ？abstract in portuguese ？text in english ？pdf in english

## Sociedade Brasileira de Pesquisa Odontol 娟ica

Av．Lineu Prestes， 2227
Caixa Postal 8216
05508－900 S 銈 Paulo SP－Brazil
Tel．／Fax：＋55 11 3091－7810

