Keywords: tooth, fluorosis, enamel, mineralization

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Title: Systemic fluoride effects on tooth development and mineralization

Method: in vitro and in vivo long term exposure to fluoride contained in drinking water


Aim1: fluoride and dental fluorosis

Aim2: fluoride target genes and mechanism of action

-Mineral characterization of fluorotic human and rat teeth (Aims 1 and 2)
-Molecular biology and histology of continually growing incisor rats exposed to fluoride (Aim 2)