

() -

*

**

· () :_____

. ()

:

//: //:

Email: guityjavan@yahoo.com

**

```
.( )
                                              .( )
1
           1 1
             .( )
                                                                        (
                                                                            )
.( )
                                    /
                                                           ( )
1 1
  )
                                                               .( )
                                   .(
                     /
        .( )
        /
                    .( )
1
   /
                                                                             .( )
              .( )
                       .( )
        .( )
    (Fractional Urinary Fluoride Excretion)
                                                                    .(
                                                                          )
                                                                    .( )
       .( )
                                                            (National Research Council)
                                                                       (
                                                                            )
```

1

```
.(
                                                      )
TSIF Dean's Index
                                                                       .( )
       (Tooth surface index of Fluorosis)
   )
                                   .(
     (Model 96-09, Thermo Orion; USA)
                                               )
SPSS
           (SPSS Inc., Chicago, IL, USA)
          (Anova)
    (± / ) (
                               )
```

```
/ (± / )
                              .(P< / )
                                                               / (/)
                                             )
       TSIF* Dean
            Dean
                                                         TSIF
                                                                 Dean
            TSIF
                                     / (/)
                                                           (
                                                                )
                                     / (/)
                                                                 )
Tooth Surface Index of Fluorosis *
                                     ( /)
                                    / (/)
                                                        (
                                                                   )
                                    / (/)
                                                          ( )
                   .( )
      (
              )
                                                              /
      .( )
                                                           1 .
```

1

```
1
                                             ( )
                                                          ( )
                                           (
                                                                            ( )
              )
                                                    )
        .(
                                                              ( )
         )
     (
                                                              ( )
 (
     )
                        .( )
      .( )
      /
                                           /
                                                       (Marthaler)
                                                                             /
                                           /
                    / - /
                                           .( )
                                           )
                                                  / (
                                                           )
                                                                   /
                                                                            (
                                           1
     /)
/
   / )
                        (
                    (
                                 1
```

•			•
/ /) /	(1 1)
(.()		.().
	,()		.()
	1		
		1	
		1	
·			.()

References: _

1

- 1. Dean HT. The investigation of physiological effects by the epidemiological method. In: Moulton FR, editor. Fluorine and dental health. Washington, DC: American Association for the Advancement of science, 1942, 23-31.
- 2. McDonagh, MS, Whiting PF, Wilson PM, et al. Systemic Review of water Fluoridation. Br Med J 2000; 321:855-9.
- 3. Wilson RH, De Eds F. The Synergistic Action of Thyroid on Fluorine Toxicity. Endocrinology 1940; 26: 851
- 4. Wilson DC. Fluorine in aetiology of endemic goiter. Lancet 1941; 1: 211-3.
- 5. Travbesli M, Gurrmazi F, Zeghal N. Effect of Fluoride on Thyroid function and cerebellar development in mice. Fluoride 2001; 34: 165-73
- 6. Burt BA. The changing patterns of systemic fluoride intake. J Dent Res 1992; 71: 1228-37.
- 7. Pendrys DG, Stamn JW. Relationship of total fluoride intake to beneficial effects and enamel fluorosis. J Dent Res 1990; 69: 529-38.
- 8. Zohouri FV, Rugg-Gunn AJ. Fluoride concentration in foods from Iran. Int J Food Sci Nutr. 1999; 50:265-74.
- 9. National Research Council. Food and Nutrition Board. Recommended dietary allowances 10th ed. Washington DC: National academy press, 1989, 235-40.
- 10. Marthaler TM. Conservative ranges of optimal fluoride intake (mg). J Biol Buccale 1992; 20:121-7.

- 11. McClure FJ. Ingestion of fluoride and dental caries. Quantitative relations based on food and water requirements of children 1 to 12 years old. Am J Dis Child 1943; 66:362-9.
- 12. Ophaugh RH, Singer L, Harland BF. Estimated fluoride intake of average two-year-old children in four dietary regions of the United States. J Dent Res 1980; 59:777-81.
- 13. CDC. Adapted from Institute of medicine. Fluoride in: Dietary reference intakes for calcium, phosphorus, magnesium, vitamin D, and fluoride. Washington DC: National academy Press, 1997, 288-313.
- 14. Baelum V, Fejerskov O, Manji F, et al. Daily dose of fluoride and dental fluorosis. Tandlaegebladet 1987; 91: 452-6.
- 15. Fejerskov O, Stephen KW, Richards A, et al. Combined effect of systemic and topical fluoride treatments on human deciduous teethcase studies. Caries Res 1987; 21:452-9.
- 16. World Health Organization. Fluorides and Oral Health: Report of a WHO expert committee on oral health status and fluoride use ser. no 846. Geneva: WHO tech: 1994.
- 17. International Collaborative Research on Fluoride. J Dent Res 2000; 79: 893-904.
- 18. Murray JJ, editor. Appropriate use of fluorides for human health. Geneva: WHO 1986.
- 19. Fakhri M, Prevalence of dental fluorosis in Bushehr province. DMD Thesis. Isfahan Univ Med Sci, 1991.

Downloaded from ismj.bpums.ac.ir on 2025-11-06]

- 20. Saadatnia, The prevalence of dental fluorosis among 11-14 year old children in Burazjan region of Bushehr Province. DMD Thesis. Shiraz Univ Med Sci, 1996.
- 21. Nozari A, Khorshidian K, Hashemi A. Dental fluorosis and DMFT in 12-15 year old students in the coastal region of Tangestan (Bushehr province). Scientific Quarterly of Shiraz Univ Med Sci 1998: 1: 30-3.
- 22. Mortazavi M, Bardestani GH, Danesh M. The prevalence of fluorosis and DMFT among 11-16 year old children in Dayer (Bushehr province). Scientific Quarterly of Shiraz Univ Med Sci 2002; 3: 66-73.
- 23. Ramezani GH, Valaei N, Eikani H. Prevalence of DMFT and fluorosis in the students of Dayer city (Iran). J Indian Soc Pedod Prev Dent 2004; 22:49-53.
- 24. Behroozi S, Tahmasebi M. The prevalence of gingivitis and its determinants, gingival pigmentation, dental fluorosis and DMFT in 6-18 year old Bushehr port students. Persian Gulf Health Research Center, Bushehr Univ Med Sci, 2001.
- 25. Country report on Oral Health in the Islamic Republic of Iran. Tehran: Ministry of Health and Medical Education, Under-secretary for Public Health; Oral Health Department, 2000.
- 26. World Health Organization. Oral Health Surveys Basic methods. 4th ed. Geneva: WHO tech; 1997.
- 27. Stephen KW, Banoczy J, Pakhomov GN, editors. Milk fluoridation for the prevention of Dental caries. WHO/ORH/MF/DOC 96.1. Geneva: WHO tech; 1996.
- 28. Forsman B. Early supply of fluoride and enamel fluorosis. Scand J Dent Res 1977; 85: 22-30.
- 29. Ketley CE, Lennon MA. Determination of fluoride intake from urinary fluoride excretion data in children drinking fluoridated school milk. Caries Res 2001; 35:252-7.
- 30. Villa A, Ababalon M, Cabezas L. The fractional urinary fluoride excretion in young children under stable fluoride intake

- conditions.Community Dent Oral Epidemiol 2000; 28: 344-55.
- 31. Ekstrand J, Whitford GM: Fluoride Metabolism; In: Ekstrand J, Fejerskov O, Silverstone LM, editors. Fluoride in dentistry. Copenhagen, Munksgaard, 1988, ch 7.
- 32. Marthaler TM, Steiner M, Menghini G, et al. Urinary fluoride excretion in children with low fluoride intake or consuming fluoridated salt. Caries Res 1995; 29:26-34
- 33. Brunetti A & Newburn E. Fluoride balance of children 3 and 4 years old. Caries Res 1983; 17:171, Abstr 41.
- 34. Zohuori FV, Rugg-Gunn AJ. Total fluoride intake in 4-year-old Iranian children residing in low-fluoride areas. Brit J Nutr 2000; 83:15-25.
- 35. Mofid R, Sadr SJ. Prevalence of dental fluorosis and enamel opacities in Tehran students. Shahid Beheshti Med Sci Univ J Dental School.1995; 24:54-5.
- 36. Iramloo B, Ansari G, Khademi A. The prevalence of dental fluorosis and its relationship with drinking water in students of coastal Lengeh Port(Hormozgan province) Shahid Beheshti Med Sci Univ J Dental School.2000; 4:281-6.
- 37. Ermis RB, Koray F, Akdeniz BG. Dental caries and fluorosis in low- and high-fluoride areas in Turkey. Quintessence Int. 2003; 34: 354-60.
- 38. Whelton H, Crowley E, O'Mullane D, et al. Dental caries and enamel fluorosis among the fluoridated and non-fluoridated populations in the Republic of Ireland in 2002. Community Dent Health. 2004; 21: 37-44.
- 39. Grobleri SR, Louw AJ, Van Kotze TJ. Dental fluorosis and caries experience in relation to three different drinking water fluoride levels in South Africa. Int J Paediatr Dent.2001; 11:372-9.
- 40. Rugg-Gunn AJ, Nunn JH, Ekanayake l, et al. Urinary fluoride excretion in 4-year-old children in Sri-Lanka and England. Caries Res 1993; 27:478-83.