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Author's reply;

Hypophosphatemic Rickets and its Dental Significance

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Although the premature tooth exfoliation (PTE) can be associated with some systemic diseases such as changes in immune system or connective tissue disorders, we didn't find any report on this disorder and hypophosphatemic rickets. In bone metabolic disorders, there are a few reports on hypophosphatasia and PTE^[1-3]. Although, some factors such as severe oral infection can predispose PTE in HR patients, we recommend a study on prevalence of PTE and its related factors in HR patients in future.

The inflammation of the gingiva was evaluated by Gingival Index of Loe and Silness index^[4]. It was missed to mention in our article. As we mentioned, dental examination was performed by the same dentist in all patients^[5].

We agree with Ramezani about the prevalence of taurodontism as a common dental problem with wide range of prevalence in normal population (up to 8%^[6]), but as we reported in our paper the prevalence of this disorder was 15% that is very more common than in normal population^[5]. It was reported in 0.3% of normal children^[7].

Finally, for diagnosis of taurodontism, as mentioned in our report, orthopantomogram was performed in all taurodontism suspicious patients^[5].

Key words: Hypophosphatemic Rickets; Taurodontism; Dental Problems

References

- Hartsfield JK. Premature exfoliation of teeth in childhood and adolescence. Adv Pediatr 1994;41:453-70.
- 2. Cheung WS. A mild form of hypophosphatasia as a cause of premature exfoliation of primary teeth: report of two cases. *Pediatr Dent* 1987;9(1):49-52.
- 3. Baab DA, Page RC, Ebersole JL, Williams BL, Scott CR. Laboratory studies of a family manifesting premature

- exfoliation of deciduous teeth. *J Clin Periodontol* 1986; 13(7):677-83.
- Loe H, Silness J. Periodontal disease in pregnancy. I. Prevalence and severity. Acta Odontol Scand 1963;21: 533-51.
- Rabbani A, Rahmani P, Ziaee V, et al. Dental problems in hypophosphatemic rickets, a cross sectional study. *Iran J Pediatr* 2012;22(4):531-4.
- Darwazeh AM, Hamasha AA, Pillai K. Prevalence of taurodontism in Jordanian dental patients. Dentomaxillofac Radiol 1998;27:163-5.
- 7. Backman B, Wahlin YB. Variations in number and morphology of permanent teeth in 7-year-old Swedish children. *Int J Paediatr Dent* 2001;11:11-7.



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