

Prevalence of Dens Evaginatus in Adolescent Population of Melaka: A Retrospective Study

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Abstract : Dens evaginatus (DE) is a rare developmental anomaly characterized by a slender enamel-covered tubercle which projects from the occlusal surface of an otherwise normal premolar. DE can often interfere normal occlusion and can lead to complications like sensitivity, pulpal exposure and temporo mandibular joint problems. The orthopantomographs (OPGs) and dental records of patients under the age of 20 who attended the faculty of dentistry, Melaka-Manipal Medical College were examined for DE. Results: The prevalence of DE was 23% among the study group. Males presented with a higher prevalence of 67% and females with 33%. The prevalence of Dens evaginatus was distributed as 28% in maxillary central incisor, 52% in maxillary lateral incisors, 12% in mandibular second premolars. Prevalence in permanent dentitions appeared to be higher than deciduous dentition. The bilateral occurrence of Dens evaginatus is an interesting phenomenon. 57% of the cases of the DE were bilateral.

Keywords : deciduous dentition, dens evaginatus, permanent dentition, prevalence

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