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## A review of epidemiology, characteristics, etiology and sequelae of supernumerary premolar teeth

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The purpose of this study was to provide a current review of supernumerary teeth in the premolar region, as supernumerary teeth in the premolar region have unique features, a good knowledge which will help to appropriately and safely manage patients with this condition. Supernumerary teeth in the premolar region, unlike other supernumeraries, occur more often in the mandible, where the supernumerary teeth are generally of the supplemental type. Occasionally they are conical or smaller than normal particularly in the upper premolar regions. They might occur singly or in multiples, be erupted or impacted, but the majority were found to be unerupted and asymptomatic. The prevalence of supernumerary teeth in the premolar region was found to be between 0.01 and 1 percent depending on the population studied, with populations from the East or Africa were the most affected. Various theories have been suggested to explain the etiology of supernumerary teeth in general including both genetic and environmental factors. Furthermore, it has been suggested that supernumerary premolar teeth belong to a third (post-permanent) series, developing from extensions of the dental lamina. Several consequences can result from the presence of supernumerary premolars, especially in the mandible, such as cyst formation, transposition and others. Therefore, a thorough clinical examination and a timely and appropriate radiological assesment is important to early diagnose and manage patients with supernumerary premolar teeth.

### Biography

Khaled Khalaf has completed his PhD from the University of Sheffield, UK and was awarded Membership in Orthodontics of both the Royal Colleges of Surgeons of England and Edinburgh, UK and a Fellowship in Dental Surgery (Orthodontics) of the Royal College of Surgeons in Ireland. Furthermore, he gained the Inter-collegiate Speciality Fellowship in Orthodontics of the Royal Surgical Colleges and accreditation as a Consultant Orthodontist, as well as, a Fellow of the Higher Education Academy, UK. He has many publications in prestigious international journals. He is a reviewer and serves on the Editorial Board of several international journals. He has also presented many papers in renowned international conferences.

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