

18. Selection of a precise occlusal splint (directive or permissive) for the treatment of temporomandibular joint disorders: a clinical report.

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Overview . . The disorder on temporomandibular followed by oro-facial pain due to the occlusal disorder has been frequently found in the clinic. The occlusal disorder itself could cause by several factors, for example, the acute abrasive teeth caused by bruxism. The unilateral chewing habit lost of teeth, tooth caries, the imperfect shape and position of teeth, or even the incorrect adjustment of teeth are the other factors.. On the basis of origin of the disease, temporomandibular joint disorders are classified as capsular and intracapsular which further subcategorised into derangements of the intra articular disc; inflammatory disorders and degenerative changes in the articular surfaces. . The most common tmd are disc derangement disorders and the management of these disorders are depends on making correct diagnosis and knowledge of aetiology of the disease. The treatment of the joint temporomandibular disorder caused by occlusal disorder is less effective without handling the main problem. An alternative but effective treatment for tmd patients could be occlusal splints. . The decision to prescribe an occlusal splint is based on several important factors, including examination findings, the differential diagnosis, and mechanism of action of the splint. Occlusal appliances provide a more orthopedically stable joint position. . Occlusal splints can be used to introduce an optimum occlusal condition that redirects the neuromuscular reflex activity to reduce abnormal muscle activity that in turn protect the teeth and supportive structures from abnormal forces.. Key words: temporomandibular joint disorders, occlusal splints, oro-facial pain, neuromuscular reflex.

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