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ABSTRACT BOOK

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Poster **Presentation**

Distraction splint (Pivot Appliance): The pivoting appliance is indicated in patients with internal derangements or with osteoarthritis.
Anterior bite plane: They are indicated in the event of muscular disorders related to orthopedic instability or a sudden change in the occlusal state.
Posterior bite plane: This type of splint is used when there is a considerable need to alter the anterior placement of the mandible or when there is a serious loss of vertical dimension of occlusion (VDO).
Conclusion: In this literature review, it shows that careful examination of the patient is necessary to make a decision for the treatment method of specific TMD.
Keywords: TMD, Occlusal Splints, Occlusion

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Digital Occlusal Analysis in Normoocclusion Patients with T–SCAN III System

Marijan Denkovski[1], Vesna Trpevska[2] ,Aneta Mijoska[3], Bruno Nikolovski[4]
private dental practice dr. Marijan Denkovski, Kumanovo[1], PHO University Dental Clinical Center „St. Panteleimon", Department of Orthodontics, Skopje, Republic of North Macedonia, Faculty of Medical Sciences, Goce Delcev University, Stip[2], Ss. Cyril and Methodius University, Faculty of Dentistry, PHO University Dental Clinical Center „St. Panteleimon", Department of Prosthodontics, Skopje, Republic of North Macedonia[3], PHO University Dental Clinical Center „St. Panteleimon", Department of Oral Surgery, Skopje, Republic of North Macedonia, Faculty of Medical Sciences, Goce Delcev University, Stip[4]

Aim: The objective of this study was to observe and characterize the occlusal balance of static and dynamic occlusal parameters in subjects with normoocclusion using the T–Scan III System as well as to determine the importance of T–Scan III System digital occlusal analysis in orthodontics.
Material and Method: In 10 patients with normoocclusion, Angle Class I, occlusal balance was quantitatively evaluated using the T–Scan III System, in position of maximum intercuspidation (MIP), protrusive and lateral excursion of the mandible. We analyzed the following parameters: occlusal contact distribution, bilaterally, determination of center of occlusal force (COF), occlusal time (OT), disclusion time and determination of functional type of occlusion.
Results: Occlusal contact distribution in our patients was 48.7% on the left side and 51.3 % on the right side from the dental arch in MIP. Center of occlusal force (COF) was located anteroposteriorly in the region of the first permanent molar at 94% from our patients. 90% had occlusion time shorter or equal than 0.4sec and disclusion time shorter or equal than 0.5sec per excursion.
Conclusion: Normoocclusion patients are characterized by balanced occlusion. There is a correlation between occlusion and articulation. Ideal occlusion correlates with ideal articulation. T–Scan III System is a very important diagnostic tool for determination of correct occlusal pattern in orthodontics and provides us with high quality treatment results in every day clinical practice.
Key words: Normoocclusion, Digital Evaluation, Occlusal Balance, T–Scan III System.