

Key words: malocclusion, model analysis, Pont index

325. RECONSTRUCTION OF THE CONTACT POINT WITH THE PALODENT V3 SYSTEM.

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Introduction. The contact point has a very important role in protecting the interdental papillae; it spreads uniformly the masticatory pressure that is developed during the mastication act.

Aim of the study. To achieve a three-dimensional restoration of the proximal surface with punctiform contact.

Materials and methods. The study was based on the use of matrices with anatomical relief from the Palodent V3 system, with the control of matrix adherence at the cervical and lateral sides on clinical simulators. Reconstruction of the contact point on the clinical simulators was performed by the direct method, using atraumatic pins, anatomic relief matrices and strong Ni-Ti rings. The titanium nickel rings are long lasting, surpassing the stainless steel rings. The strength of the ring retainer improves the retention in the tooth. Rings and wedges can overlap and work well in complicated class II restorations, such as those with a missing cusp. The matrices, wedges and protection wedges are anatomically designed to provide a better seal and narrower contacts.

Results. The Palodent V3 system components work together to seal and shape the restoration, minimizing the required time to finish it, as well as the possibility to re-do the restoration due to a poor contact. The system can be configured for multiple restorations at once, and the WedgeGuard provides added efficiency by protecting the adjacent tooth, allowing the clinician to prepare the cavity without complications. The tines on the rings help to provide excellent retention on the tooth and the system seals the restoration to minimize the amount of finishing required. It was noticed that adapting the wedges to the matrix leads to firm gingival closure and firm predictable contacts. The narrow rings adapt the matrix to the lateral teeth and enlarge the interdental space at the micron level.

Conclusions. The use of the Palodent V3 system allows us to get a predictable, easy and fast result.

Key words: contact point, wedge, matrix, rings

326. MEDICO-LEGAL ASPECTS OF DENTAL FLUOROSIS AMONG CHILDREN OF ENDEMIC AREAS FOR FLUOROSIS

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Introduction. Dental fluorosis presents an important medical and social problem. The results of drinkable water surveys in the Republic of Moldova show that in about 17% of the pre-university institutions located in more than 2/3 of the administrative territories, where do study 13.5% of the total number of students, the water samples are inadequate because of the excess of fluoride in water. As a result, every 7th student in the country is at risk of developing fluorosis.

Aim of the study. The aim of the research is to analyze the patients' right to information about the risk of dental fluorosis and to develop measures to remove obstacles on the subject and promote oral health in endemic communities.