

Abstracts of the articles

**P. 6 Prevention of postoperative complications in periodontal operations in patients with chronic periodontitis.**

Zorina O.A., Berkutova I.S., Vasilyev A.V., Magomedov R.N., Saltovets M.V.

**Summary**

The study is dedicated to improving the effectiveness of treatment of chronic generalized periodontitis through the use of "Eludril classic" rinse aid (Pierre Fabre Laboratoires, France) at various stages of complex periodontal treatment. The study involved 36 patients in the main group and the comparison group. Both according to the clinical results and according to the data of PCR-diagnostics, the data of higher efficiency of complex periodontal treatment, including the surgical stage, in the main group were confirmed. For the first time studied the effect of "Eludril classic" in the postoperative period to reduce pain in patients who underwent periodontal surgery. Maintaining hygiene with the necessary correction and the inclusion of additional funds make it possible to avoid prescribing systemic antibacterial drugs and increase the duration of remission in patients with periodontitis.

**Keywords:** chronic generalized periodontitis, periodontal surgery, mouth rinse, chlorhexidine,

**For citation:** Zorina O.A., Berkutova I.S., Vasilyev A.V., Magomedov R.N., Saltovets M.V. Prevention of postoperative complication in periodontal operations in patients with chronic periodontitis. Stomatology for All / Int. Dental Review. 2018; 4 (85);6-12.

**P. 14 Morphological study of matrix metalloproteinase activity and collagen type I/III ratio in periodontal tissues in the complex treatment of patients with chronic and aggressive periodontitis..**

Zabolotneva S.V., Frolova O.A., Babichenko I.I., Grudyanov A.I.

**Summary**

The article presents the results of morphological study of matrix metalloproteinases activity and ratio of collagen types I/III in periodontal tissues in patients with chronic and aggressive periodontitis in dynamics after conservative and surgical treatment. The results of clinical and morphological studies have shown that the condition of periodontal tissues depends not only on the severity of periodontitis, but also on the nature of the course of the inflammatory process — chronic or aggressive.

**Keywords:** periodontitis, aggressive periodontitis, ratio of collagen I/III, MMP.

**For citation:** Zabolotneva S.V., Frolova O.A., Babichenko I.I., Grudyanov A.I. Morphological study of matrix metalloproteinases activity and ratio of collagen types I/III in periodontal tissues during complex treatment of patients with chronic and aggressive periodontitis. Stomatology for All / Int. Dental Review. 2018; 4 (85);14-20

**P. 22 The use of biomaterial Alloplant in the complex treatment of chronic generalized periodontitis..**

Bulgakova A.I., Bortnovskaya Y.V., Valeev I.V., Vasilyeva N.A.

**Summary**

The article presents the results of clinical and immunological studies in 102 patients with a diagnosis of chronic generalized periodontitis. The developed method of complex treatment with the use of laeroporito with dispergirovany the Alloplant biomaterial. Proven clinical efficacy based on the periodontal index, subjective assessment of the oral cavity and local immunological parameters — IgG, IgA, S-IgA.

Keywords: chronic generalized periodontitis, low level laser, Alloplant, laser therapy.

**For citation:** Bulgakova A.I., Bortnovskaya Y.V., Valeev I.V., Vasilyeva N.A. The use of biomaterial Alloplant in the complex treatment of chronic generalized periodontitis. Stomatology for All / Int. Dental Review. 2018; 4 (85); 22-24

**P. 26 Application of speech obturators in patients with speech disturbances after uranoplasty.**  
Mamedov Ad. A, Serova N.S., Kalinina A.I., Volkov Yu.O., Mazurina L.A., Dudnik O.V.

**Summary**

The article presents a literature data based analysis of a more than 30 years long experience in the use of speech obturators in treatment of patients with speech disorders after uranoplasty. It has been concluded that an interdisciplinary approach as well as surgical treatment techniques extended by speech devices are necessary.

**Keywords:** velopharyngeal insufficiency, speech obturators, prosthetic care in velopharyngeal insufficiency.

**For citation:** Mamedov Ad. A, Serova N.S., Kalinina A.I., Volkov Yu.O., Mazurina L.A., Dudnik O.V. Application of speech obturators in patients with speech disturbances after uranoplasty. Stomatology for All / Int. Dental Review. 2018; 4 (85); 26–31

**P. 32 Diathermocoagulation: substantiation of application in endodontic treatment.**

Volkov A.G.<sup>1</sup>, Daurova F.Yu.<sup>2</sup>, Dikopova N.J.<sup>1</sup>, Tomaeva D.I.<sup>2</sup>, Kodzaeva E.S.<sup>2</sup>, Arzukanyan A.V.<sup>1</sup>

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**Summary**

Aspects of an application of high-frequency diathermocoagulation in dentistry are given

coverage to in this article. Various types of diathermocoagulation are described in detail and prospects of its development are considered. The theoretical substantiation of applying the monopolar high-frequency diathermocoagulation with endodontic treatment of teeth is given, which makes it possible to conduct root canal treatment safely and qualitatively.

**Keywords:** dentistry, endodontic treatment of teeth, diathermocoagulation, plasma coagulation, monopolar diathermocoagulation, bipolar diathermocoagulation.

**For citation:** Volkov A.G., Daurova F.Yu., Dikopova N.J., Tomaeva D.I., Kodzaeva E.S., Arzukanyan A.V. Objectivation of applying the diathermocoagulation in endodontic treatment. *Stomatology for All / Int. Dental Review*. 2018; 4 (85);32-35

### **P. 36 Microbiological estimation of bacterial adhesion on the surface of composite restorations before and after bacterial colonization "in vitro".**

Kolodkina V.I., Arutyunov A.V., Doeva E.T.  
Kuban State Medical University, Krasnodar

#### **Summary**

The aim of this study was to study bacterial colonization "in vitro" and its effect on the light-cured nanohybrid dental restorative material "Restavrin" coated with the sealant "Easy Glaze" and without it. In the conducted researches we used a polymeric nano-hybrid filling material ("Restavrin", Technodent, Russia), which was exposed to typical representatives of bacterial flora of the oral cavity — *S.mutans*, *S.oralis* for 45 days. These strains of bacteria were previously isolated in a study of 23 patients diagnosed with caries of dentin. As a result, it was found that oral streptococci *S.oralis* and *S.mutans* have a pronounced ability to colonize the surface of the photocomposite filling material both with and without sealant coating; 45 days later, a more pronounced increase in bacterial adhesion is observed on samples of a filling material that is not coated with a sealant. It is recommended to cover the photocomposition restorations with the "Easy Glaze" sealant, which serves as a barrier protecting the filling material from the effect of oral streptococci, which allows increasing the life of the seal, and also ensuring the preservation of the aesthetic and mechanical properties of composite restorations.

**Keywords:** nanohybrid dental filling material "Restaurin", sealant "Easy Glaze", bacterial colonization, strains of bacteria *S.mutans*, *S.oralis*.

**For citation:** Kolodkina V.I., Arutyunov A.V., Doeva E.T. Microbiological estimation of bacterial adhesium on the surface of composite restorations before and after the bacterial colonization "in vitro". *Stomatology for All / Int. Dental Review*. 2018; 4 (85); 36-40.

### **P. 41 Comparative assessment of regional blood flow in periodontal tissues and dental pulp.**

Erganova O.I., Kornev N.A., Ermolev S.N., Volkov E.A.  
Moscow State University of Medicine and Dentistry named after A.I. Evdokimov of the Ministry of Health of Russia

#### **Summary**

The methods of rheoparodontography and rheodentography are very popular for evaluation of the blood supply of the periodontaltissues and tooth pulp, and many methods require improvement for differentiating the intraosseous blood flow of periodontal tissues and in the tooth pulp. The purpose of our study was a comparative assessment of the functional state of the regional blood

flow of periodontal and tooth pulp with the help of improved methods of rheoparodontography and rheodentography.

These methods of rheography of periodontal and tooth pulp give more stable results when registering hemodynamic parameters and increase the efficiency of diagnosis of the functional state of periodontal tissues and tooth pulp.

**Keywords:** hemodynamics, rheoparodontography, rheodentography, periodontal tissues, tooth pulp.

**For citation:** Erganova O.I., Kornev N.A., Ermolev S.N., Volkov E.A. Relative estimate of regional bleeding of parodont tissues and pulp of the teeth. Stomatology for All / Int. Dental Review. 2018; 4 (85); 41-43

#### **P. 44 Legislative and regulatory legal enactments on expert review of health care quality.**

Izmailova Z.M., Bochkovskaya O.E., Lavrenyuk E.A.

##### **Summary**

The author analyzed the legislative and regulatory legal acts regulating the examination of the dental care quality expert review. The necessity of further improvement and development of clinical recommendations (treatment protocol) the main types of dental diseases is revealed.

**Keywords:** dental care expert review, oral surgery, regulatory legal enactments.

**For citation:** Izmaylova, Z.M. Bochkovskaya E.O., Lavrenuk E.A. Legislative and regulatory legal enactment regulating the examination of the dental care quality expert review. Stomatology for All / Int. Dental Review. 2018; 4 (85);44-47

#### **P. 48 Annual reports data analysis concerning infection control in dental health care facilities and recommendations for its optimization.**

Glinenko V.M., Kataeva V.A., Kozhevnikova N.G., Mikailova O.M.  
Moscow State University of Medicine and Dentistry named after A.I. Evdokimov

##### **Summary**

The article presents a selective analysis of the adequacy and quality of reporting data on the use of chemical disinfection agents in dental health care facilities in the Moscow Region. Recommendations on disinfection and infection control optimization are given.

**Keywords:** dental health care facility, infectious safety, production control program, disinfection, efficiency.

**For citation:** Glinenko V.M., Kataeva V.A., Kozhevnikova N.G., Mikailova O.M. Annual reports data analysis concerning infection control in dental health care facilities and recommendations for its optimization. Stomatology for All / Int. Dental Review. 2018; 4 (85); 48–50

## **P. 52 Optimization of intradental splint design.**

Popkov V.L., Zadorozhny A.V., Gadjiev G.A.

### **Summary**

The held representative and randomized clinical studies of 77 patients with chronic generalized periodontitis (CGP) medium degree severity, the aim of which was to improve the fixed permanent splinting designs intradental tabs splints, as well as the description of the implementation of the proposed method of splinting in a clinical setting. Comparative estimation of similar methods of immobilization of teeth with periodontal pathology, the main advantages of the submitted designs for stages of complex rehabilitation of this category of patients.

**Keywords:** chronic generalized periodontitis, orthopedic methods treatments, splinting, intradental tabs splints.

**For citation:** Popkov V.L., Zadorozhny A.V., Gadjiev G.A. Improvement designg of tooth tabs tires. Stomatology for All / Int. Dental Review. 2018; 4 (85);52-58