

**The journal "Stomatologiya dlya vsekh / International Dental Review" no. 4 2017  
Abstracts of the articles**

**P. 6 Assessment of dental enamel elemental indices in tooth erosion according to the data of the X-ray fluorescence analysis.**

Mitronin A.V., Darsigova Z.T., Prokopov A.A., Dashkova O.P., Alikhanyan A.S.

E-mail: m.a.kuprina@list.ru

**Summary**

The elementary composition of the surface of the tooth crown enamel affected by the erosion was studied with the use of X-ray fluorescence analysis. It was shown that Ca/P index increases in case of erosion, which points out a different mechanism of the tooth erosion development in comparison with caries when this index decreases. It was also shown that Cu/Fe index increases from the margins to the center of the erosion and comes to the normal value in the intact enamel.

**For citation:** Mitronin A.V., Darsigova Z.T., Prokopov A.A., Dashkova O.P., Alikhanyan A.S. Assessment of dental enamel elemental indices in tooth erosion according to the data of the X-ray fluorescence analysis. Stomatology for All / Int. Dental Review. 2017; 4 (81); 6 - 10

**Keywords:** elemental composition of the enamel, elemental enamel indexes, tooth erosion, XRF analysis.

**P. 12 The role and place of hyaluronic acid in the treatment of recurrent aphthous stomatitis of the oral mucosa.**

Kosyuga S.Y., Voinova S.O.

E-mail: svetlana\_malina@list.ru

**Summary**

This article deals with the problem of finding the optimal scheme for treatment of recurrent aphthous stomatitis to simplify the standard treatment scheme, reduce the number of medication used, improve the effectiveness of treatment and achieve a stable remission of the disease. One way to achieve this goal is to use hyaluronic acid which is natural and safe for the body.

**Keywords:** recurrent aphthous stomatitis, hyaluronic acid.

**For citation:** Kosyuga S.Y., Voinova S.O. The role and place of hyaluronic acid in the treatment of recurrent aphthous stomatitis of the oral mucosa. Stomatology for All / Int. Dental Review. 2017; 4 (81); 12 - 15

**P. 16 Erythema multiforme: incidence and clinical manifestations in the oral cavity.**

Bulgakova A.I., Hismatullina Z.R., Zatcepina M.V.

E-mail: Albina\_Bulgakova@mail.ru

**Summary**

The article presents the results of the study of the incidence and diagnosis of exudative erythema multiforme. We have studied various clinical manifestations in patients with this disease. It has been established that in 80% of patients symptoms in the form of diffuse or local erythema, swollen mucosa, subepithelial vesicles of various size, and erosions are revealed in the oral cavity at the initial stage of the disease. The analysis we have given shows that the incidence in males is four times higher than in females, 52% being aged 18—40 years. A detailed examination of the state of the oral cavity with exudative erythema multiforme contributes to more accurate diagnosis and effective combination treatment.

**Keywords:** erythema multiforme, forms of the disease, oral mucosa.

**For citation:** Bulgakova A.I., Hismatullina Z.R., Zatcepina M.V. Erythema multiforme: Incidence and clinical manifestations in the oral cavity. The results of a study. Stomatology for All / Int. Dental Review. 2017; 4 (81); 16- 18

**P. 20 Paradontal anesthesia in treatment of mandibular molars.**

Anisimova E.N., Letunova N.U., Orekhova I.V., Pershina L.V., Ryazancev N.A.

E-mail: evg-anis@mail.ru

**Summary**

The clinical and physiological substantiation of periodontal methods of local anesthesia with articaine 4% solution without a vasoconstrictor and with epinephrine in various concentration for treatment of mandibular molars is given.

**Keywords:** local anesthesia, laser Doppler flowmetry, electric pulp test, central hemodynamic monitoring.

**For citation:** Anisimova E.N., Letunova N.U., Orekhova I.V., Pershina L.V., Ryazancev N.A. Paradontal anesthesia in treatment of mandibular molars. Stomatology for All / Int. Dental Review. 2017; 4 (81); 20 - 24

## **P. 26 Collagen type I and III ratio in patients with chronic and aggressive periodontitis.**

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

E-mail: ksv.dent@gmail.com

### **Summary**

The study of the links of the pathogenesis of inflammatory periodontal diseases remains relevant due to the insufficient effectiveness of therapeutic interventions, both conservative and surgical. In this regard, an in-depth study of the state of periodontal structures is not only scientific but also of purely practical interest. Our attention was focused on the study of destructive processes in the periodontium and the condition of the periodontal complex, namely, collagen structures and MMP activity, which has recently attracted increasing attention. The study of the collagen composition of connective tissue through polarization microscopy allows us to reveal the correlation between type I and III collagen in patients with periodontitis, and also to predict the features of its course.

**Keywords:** periodontitis, type I and type III collagen, MMP, polarization microscopy.

**For citation:** Grudyanov A.I., Babichenco I.I., Frolova O.A., Zabolotneva S.V. Features of collagen ratio type I and type III at patients with chronic and aggressive periodontitis. Stomatology for All / Int. Dental Review. 2017; 4 (81); 26 - 31

## **P. 32 The effect of the impacted third molars and hypermobility on clinical manifestations of temporomandibular joint dysfunction syndrome in patients with connective tissue dysplasia.**

Statovskaia E.E.

E-mail: elenastat22@mail.ru

### **Summary**

The manifestation of the temporomandibular joint dysfunction syndrome (TMJ) can occur in young patients with problems of third molars. Hypermobility of the TMJ is not always detected with hypermobility of other joints, but it is often accompanied by asymptomatic degenerative and inflammatory changes in the TMJ, especially on the background of connective tissue dysplasia (CTD). The combination of hypermobility of the TMJ and the problems of third molars on the background of CTD potentially modifies the clinical manifestations (pain, the amplitude of opening of the mouth), increases the risk of asymptomatic flow and poor detection of the TMJ dysfunction syndrome, promoting the development of pain syndrome.

**Keywords:** temporomandibular joint dysfunction syndrome, hypermobility of temporomandibular joints, dysplasia of connective tissue, diseases and lesions associated with third molars, pain in the TMJ, active and passive mouth opening.

**For citation:** Statovskaia E.E. The effect of the impacted third molars and hypermobility on clinical manifestations of temporomandibular joint dysfunction syndrome in patients with connective tissue dysplasia. Stomatology for All / Int. Dental Review. 2017; 4 (81); 32 - 37

### **P. 38 Topographic and anatomical features of blood supply in the submental area.**

Petrishin V.L., Ovsepiyan T.N.

E-mail: tamaraON@mail.ru

#### **Summary**

The article presents the results of a topographic anatomical study of a. et v. submentalis, measurement of the outer diameter of facial vessels, recording the areas of their formation, conducted to optimize tactics and methods for replacing defects in the middle and lower zones of the face with a submental flap on the vascular pedicle. On the basis of comparison of the data present in domestic and foreign literature, the patterns of sintopy of the facial and submental arteries relative to the mandibular margin and the head and neck index have been determined.

**Keywords:** submental flap, reconstructive surgery of head and neck, topographic and anatomical studies, anthropometry, submental vessels.

**For citation:** Petrishin V.L., Ovsepiyan T.N. Topographic and anatomical features of blood supply in the submental area. Stomatology for All / Int. Dental Review; 2017; 4 (81); 38 - 41

### **P. 42 Substantiation of surgical intervention in children with congenital cleft lip and palate.**

Mardanov A.E., Mamedov A.A., Ragimov A.A., Dashkova N.G., Matveev A.V.

E-mail: ayazmardanov@gmail.com

#### **Summary**

The article presents the results of a study of matrix metalloproteinases activity in the soft tissues of the lips and palate in children with congenital cleft lip and palate. Based on the findings, it is concluded that an earlier period of surgery contributes to better anatomical and functional recovery of soft tissues of the lips and palate.

**Keywords:** CLP, cleft, metalloproteinase, MMP, surgery, pathophysiology.

**For citation:** Mardanov A.E., Mamedov A.A., Ragimov A.A., Dashkova N.G., Matveev A.V. Substantiation of surgical intervention in children with congenital cleft lip and palate. Stomatology for all / Int. Dental Review. 2017; 4 (81); 42 - 47

### **P. 48 Issues of audit of patient loyalty in dentistry.**

Kuznetsov S.V., Sokolov Yu.I., Zhurina A.A.

E-mail: 2334695@bk.ru

#### **Summary**

The article discusses the use of the Patient Loyalty Audit System in close connection with the development of integrated risk management approaches and information technologies, which are important factors for effective organization of dental care for the population.

**Keywords:** Patient Loyalty, Audit System, patient satisfaction, loyalty, healthcare management, dentistry, risk management.

**For citation:** Kuznetsov S.V., Sokolov Yu.I., Zhurina A.A. Issues of audit of patient loyalty in dentistry. Stomatology for All / Int. Dental Review. 2017; 4 (81); 48 - 53

#### **P. 54 Evaluation of medical records quality in private medical institutions of Ivanovo.**

Lapina A.K., Stvoligin A.V., Pertsev S.S., Vagner V.D.

Tel.: +7 (499) 246-13-34; 246-33-51

#### **Summary**

The article presents the results of a retrospective analysis of orthodontic patients medical records in dental clinics of Ivanovo. The study shows that proper, detailed medical records formulation has been found only in 40, 4% of all inspected documentation. Orthodontists do not pay enough attention both to the history taking and to the use of special and additional methods of evaluation.

**Keywords:** Orthodontic patient's medical records.

**For citation:** Lapina A.K., Stvoligin A.V., Pertsev S.S., Vagner V.D. Evaluation of medical records quality in private medical institutions of Ivanovo. Stomatology for All / Int. Dental Review. 2017; 4 (81); 54 - 58