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di Ortodonzia



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**JULY 16-17, 2021**



135	MOSCHITTO SERENA	EVALUATION OF IMAGING SOFTWARE ACCURACY FOR 3-DIMENSIONAL ANALYSIS OF THE UPPER AIRWAYS: A COMPARATIVE STUDY USING SURFACE-TO-SURFACE MATCHING TECHNIQUE AND DEVIATION ANALYSIS.		
98	MRAKIC GIORGIA	DENTO-SKELETAL EFFECTS PRODUCED BY RAPID VERSUS SLOW MAXILLARY EXPANSION USING FIXED JACKSCREW EXPANDERS: A SYSTEMATIC REVIEW AND META-ANALYSIS		
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152	MURACA DANIL	<b>Qualitative analysis of the oral microbiota during intermaxillary fixation in patients undergoing orthognathic surgery</b>		
147	NASTASI EVISI	Pellegrini M. <sup>1</sup> , Pulicari F. <sup>2</sup> , Marino S. <sup>2</sup> , Garagiola U. <sup>2</sup> , Spadari F. <sup>2</sup>		
94	NOBILI ANNA	<sup>1</sup> School of Dentistry, Department of Clinical-Surgical, Diagnostic and Pediatric Sciences, University of Pavia <sup>2</sup> Department of Biomedical Surgical and Dental Sciences, Maxillo-Facial and Odontostomatological Unit - Head: Prof. AB Gianni, School of Orthodontics - Head: Prof. F. Spadari, Fondazione IRCCS Cà' Granda Ospedale Maggiore Policlinico, University of Milan		
95	NOBILI ANNA	<b>Purpose:</b> Qualitative evaluation of the oral microbiota in patients undergoing orthognathic surgery with subsequent application of intermaxillary block, in order to investigate a possible increase in the concentration of periodontal bacteria.		
169	NUCCI LUDOVIC	<b>Materials and Methods:</b> A systematic review of the literature was performed using the PubMed search engine. The keywords "orthognathic surgery", "intermaxillary fixation", "oral microbiota", "dental plaque" have been included, highlighting the possible variations of the oral microbial flora resulting from the intermaxillary block.		
170	NUCCI LUDOVIC	<b>Results:</b> Despite the limited literature present, studies have shown a temporary impairment of oral hygiene due to minimal changes in periodontal microflora, but there has been no increase in the long-term concentration of periodontal bacteria. In particular, the concentration of the bacillus <i>Escherichia coli</i> (Gram-negative, parodontopathogenous, responsible for the onset of infectious endocarditis) tends to increase temporarily in a statistically significant way ( $p=0.037$ ) during the permanence of the intermaxillary block; however, a statistically significant decrease ( $p=0.017$ ) of this concentration is observed within the end of the intermaxillary fixation period. During intermaxillary blockage the plaque index slightly increases up to 21.3% and the coccoid one is the most common bacterial form. This index decreases up to 8% when the patient can resume, in full autonomy, the correct oral hygiene routine at the end of the fixation period.		
69	OTTONELLI ELISA	<b>Conclusions:</b> It is possible to affirm that the intermaxillary block temporarily worsens the oral hygiene conditions of the patient due to the impossibility of an effective mechanical control of the plaque. However, good pre-treatment home oral hygiene, compliance with professional oral hygiene sessions during the period of intermaxillary block and the restoration of correct post-fixation home oral hygiene allow a significant reduction in these values. Finally, it is essential to evaluate, pre-surgically, the eating habits and nutritional status of the subject. At the end of the blocking period, the patient must resume a correct diet, in order to promote scarring, immune reaction and coagulation.		
139	PAGANO LUCREZIA			
45	PALMACCI DANIELE			
203	PALMIGIANI RAFFAELE	<b>References:</b> 1. Weintraub K., Staufenbiel I., Güney H., Gürbüz W., Schwabka-Poly R., and Dennerl A.P. Influence of orthognathic surgery on periodontal tissues: short-term results. <i>J Craniomaxillofac Surg</i> , 72 (5): 275-289 (2011). 2. Weintraub K., Dennerl A., Güney H., Gürbüz W., Schwabka-Poly R., and Staufenbiel I. Short-term periodontal and microbiological changes following orthognathic surgery. <i>J Craniovertebr For-Surg</i> , 46 (5): 467-472 (2012). 3. Faronato G., Giannini L., Nollet F., Gibelli G., Garagiola U., and Raposo C. Qualitative and quantitative assessment of plaque bacteria in pediatric patients, patients undergoing orthodontic treatment, combined orthodontic-surgical treatment and implant-prosthetic rehabilitation. <i>Minerva Stomatol</i> , 63 (5): 167-176 (2014). 4. Garagiola U. Orthognathic surgery: osseointegration and adult orthodontics: interdisciplinary synergy to correct dental facial deformities. <i>Journal Japan Association Adult Orthodontics</i> , 2003 jga:19(1): 17-26.		
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