



22nd BaSS Congress

Contemporary Challenges
in Dentistry

Thessaloniki

May 17
04-06 2020

Makedonia Palace Hotel

ABSTRACT BOOK



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Introduction: Cheliognathopalatoshisis is congenital anomaly with multifactorial causes (genetic causes, virus infection, hypoxia and toxins in prenatal period), which represents a big functional and esthetic problem for the patients. Aim: The aim of this study was to represent clinical case of prosthetic rehabilitation of the patient with cheliognathopalatoshisis. Material and method: Patient, the age of 20 years old, reported to the Clinic of Prosthodontics, School of Dentistry, University of Belgrade, for reconstruction the anterior region of partial edentulous maxilla. Considering it is a very demanding indication for patient with cheliognathopalatoshisis, where orthodontic therapy was completed, detailed clinical examination, study model analysis and complex Rag diagnostic was carried out. After functional analysis and posterior occlusal contact correction with composite fillings, upper frontal teeth preparation was accessed, same as temporary bridge making, and taking dental impressions with additional silicone. In order to get guaranteed precision of future dental restorations, plaster model was scanned in Acryl Cad program, acrylate substructure was made which was intraorally adjusted, before fabrication of the metal framework. Further working phases, including ceramic glazing and metalceramic bridge cementation belong to routine clinical procedures. Conclusion: Prosthetic rehabilitation of the patients with with complex cleft lip and palate are very difficult professional demand. Successfully completed surgical and orthodontic therapy, unfortunately does not often leave optimal conditions for prosthodontic treatment of these patients. Therefore, it is our and patients' satisfaction if long-term functional and esthetic solutions can be achieved by an adequate therapy.

PP.135. ABUTMENT DESIGN FOR SINGLE TOOTH RESTORATION IN THE AESTHETIC ZONE

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Background: Implant-supported restorations especially in the esthetic zone can be challenging with limited facial, interdental or interocclusal space and improper implant axis. The type of abutment should provide adequate emergence profile for support of periimplantary soft tissue and optimal mucogingival esthetics. Aim: To present the different prosthetic abutments in the implant supported restorations, comparing subjective and objective aesthetic outcomes. Methods: The study included 15 people with anterior single missing tooth, who received implant prosthetic treatment. Patients were divided into three samples: I study sample - 5 patients treated with ceramic restorations on Zirconia abutments. II study sample - 5 patients treated with ceramic restorations on customized metal - ceramic abutments and III control sample – 5 patients treated with metal-ceramic crowns on metal, standard abutments. The following parameters consisted of PES, WES, radiographic bone level and success parameters were evaluated. Results: Differences in the shape and volume of artificial crowns in all samples have not noticed, but the color and translucency of the highest aesthetic results showed the sample I and II. The WES was higher than the corresponding PES. The patients were satisfied with prosthetic outcome. Conclusions: Single tooth implants seem to be an achievable treatment option for functional rehabilitation of tooth loss in the anterior zone. The chosen material and the type of abutment for manufacturing the implant restoration do not ensure aesthetic results, if all parameters are not taken into account.