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SUPPLEMENT

Taddeo Zuccari, *Carlo Magno conferma la donazione di Ravenna alla Chiesa*, 1564-65, Affresco, Città del Vaticano. *(detail)*.

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Case report

REMOVAL OF A LARGE NEOFORMATION IN A DEAF-MUTE PATIENT IN ZINVIÈ. A CASE REPORT

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ABSTRACT

The La Croix Hospital in Zinviè (Benin) is a hospital in continuous structural evolution that used many volunteer doctors from Europe. A case is presented of a 14-year-old deaf-mute boy who presented a large pedunculated neoformation in the lower right hemiarch. Removing the large pedunculated lesion allowed the patient to have a normal social life and relate better with his parents. Furthermore, fibroma of the oral mouth can be carefully managed to have a successful postoperative course. The result of this work highlights how knowledge of diseases and early intervention are tools to improve the oral health of developing countries.

KEYWORDS: *oral, fibroid lesion, telemedicine, surgery, Africa, prevention*

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Technical Note

IMMEDIATE PROVISIONAL PROSTHESIS: A POSSIBLE REALITY IN THE OFFICE. TECHNICAL NOTES

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ABSTRACT

A procedure for constructing a temporary partial prosthesis in self-curing acrylic resin in the dental office is reported. It is easily achievable and reproducible. The procedure consists of eight steps: alginate impression, plaster model, application of a sheet of red modeling wax on the palate, alginate impression of the model with the wax inserted into the palate, removal of the teeth to be extracted on the model, poured the white resin into the dental impression, poured the pink resin into the dental impression and immediately inserting the plaster model, removing the provisional prosthesis and finishing and polishing it.

KEYWORDS: *denture, partial, total, removable, teeth, prosthesis*

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Technical Note

OCCLUSAL-VERTICAL REBALANCING FOR IMPLANT-PROSTHETIC PLANNING: TECHNICAL CONSIDERATIONS

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ABSTRACT

Occlusion is the relationship between the two dental arches, both when they are in static and dynamic conditions. Prosthetic rehabilitation of one or two dental arches means restoring or maintaining the patient's occlusal balance without creating temporomandibular joint disorders. Furthermore, the occlusal vertical dimension is essential for evaluating definitive prosthetic or implant-prosthetic therapy. A vertical dimension that is too low would not allow correct prosthetic or implant-prosthetic rehabilitation, while a too-accentuated dimension would create a large prosthetic structure. The patient's mimic expression or smile would be modified in both cases. Here a simple method for rapid and in-house vertical rehabilitation is described.

KEYWORDS: *occlusion, vertical dimension, implant-prosthesis, retention*

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Technical Note

ORAL REHABILITATION WITH REMOVABLE PARTIAL DENTURE: TECHNICAL CONSIDERATION

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ABSTRACT

The rehabilitation of the partially edentulous maxilla and mandible in non-implantological cases is particularly difficult due to the quality and quantity of residual teeth. Therefore, the dentist is often forced to position the hooks in the most stable teeth with healthy periodontium. In addition, patients increasingly require immediate oral rehabilitation to reduce the discomfort associated with using a fully removable denture. In a partial denture, the goal of retention combined with esthetics can be achieved through the design of the proximal bar with two extensions. The new retention design is performed on the lingual side of the tooth, unlike the normal retentions drawn on the buccal side. This article describes the technique of how to use the desirable undercut of a tooth to make the removable partial denture more aesthetic.

KEYWORDS: *removable, partial, denture, oral, rehabilitation*

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Comparative study

ACRYLIC RESIN FOR DENTURE BASES: TENSILE TEST IN SPECIMENS OBTAINED WITH THREE DIFFERENT POLYMERIZATION METHODS.

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ABSTRACT

Acrylic resin is one of the most used materials in prosthetic dentistry. This research aimed to evaluate some mechanical characteristics of the resin for denture bases when polymerization parameters are changed. Laboratory equipment was used for the research, and 9 resin specimens were made with different polymerization methods. The results showed no significant difference between the different specimens. In conclusion, polymerization methods suggested by manufacturers produce a good product.

KEYWORDS: *acrylic, resin, removable, prosthesis, polymerization, tensile, test*

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Observational study

EXAMINATION OF THE STRUCTURAL FAILURE OF A FIXED PROSTHETIC REHABILITATION IN METAL-CERAMIC. TECHNICAL CONSIDERATIONS

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ABSTRACT

Scientific and technological progress in the field of dental prosthetics has radically changed dentistry in the last twenty years, allowing a rational and effective rehabilitation of the oral cavity. The choice of the material is of paramount importance to plan a fixed prosthetic rehabilitation. Today several materials are available such as all-ceramic, ceramic-coated zirconium, ceramic-coated metal, resin, composite, lithium disilicate. The choice always is based on some parameters: mechanical characteristics, occlusion, temporomandibular joint status, aesthetics, patient request, costs. Of fundamental importance is the resistance over time of the chosen material. In daily practice, the dentist receives a final product with a declaration of conformity from the dental laboratory which guarantees the quality of the work and the truthfulness of the materials used. Here we give some indications on the possible errors and solutions for fixed prosthetic product in metal-ceramic material. The major problems identified are related to: metal structure and oxidation and subsequent processing of porcelain. From the collected data it can be highlighted that the cracked porcelain event is the most common in the clinical practice.

KEYWORDS: *prosthesis, fixed, failure, ceramic, metal*

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Letter to the Editor

CHOICE OF THE PROVISIONAL IN PATIENTS UNDERGOING PERIODONTAL THERAPY: TECHNICAL CONSIDERATIONS

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ABSTRACT

Provisional prosthetic rehabilitation aims to restore occlusion and implement contact among teeth prior to the construction of the definitive prosthesis. However, obtaining a provisional that is functional and aesthetic is often difficult. A valid solution to give stability to the teeth, aesthetics, and function, as well as facilitate the removal of dental plaque from the provisional, is to use a material with high mechanical characteristics and is easily polishable or repairable. All these variables have an impact on the periodontium. Here we describe how the choice of provisional prosthetic material can affect patients' periodontium.

KEYWORDS: *prosthesis, periodontium, composite resin, provisional*

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Case report

SMILE RESTORING IN FRAIL ELDERLY IN DENTAL HOME ASSISTANCE

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ABSTRACT

Two cases of dental home care in not-self-sufficient collaborative old patients are reported. One patient has a conservative problem, and the second subject has a prosthetic problem. Restoring the tooth's shape in the first case and restoring the removable prosthesis in the second case improve the smile of both patients. Worsening dental problems in frail elderly patients creates psychological problems within the family. All possible in-house dental operations improve confidence and psychological stability in the elderly. The two reported cases demonstrated that the new model of home dental care would allow the frail elderly and relatives to have an alternative when intervention in a protected structure such as a hospital cannot be performed.

KEYWORDS: *Covid-19, prostheses, home care, telemedicine, elderly people*

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Case report

A POST-OPERATIVE PROSTHETIC NASAL DEVICE IN ORTHODONTIC ACRYLIC RESIN ADJUVANT TO THE CORRECTION OF NASAL ASYMMETRY. A CASE REPORT

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ABSTRACT

A cleft lip or palate is a malformation that involves the upper lip, gum and palate and has to be surgically corrected. A post-operative acrylic resin device is constructed on a patient who was already operated on for cleft lip and palate and is waiting for a second surgery to correct nasal asymmetry. Acrylic resin and silicone were used to construct the mobile medical device. Having obtained the impression of the nostril in silicone, we created the plaster model where to insert the mixed acrylic resin. Once the nasal device is obtained, it is polished. The removable nasal device has a length of 24 mm and is adapted to the patient's nostril. The construction of a device allows it to support the nostrils, and the transparency makes it comfortable.

KEYWORDS: *cleft lip and palate, acrylic resin, prosthesis, laser, nasal asymmetry*

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Letter to the Editor

A METHOD TO GET A RELIABLE DENTAL IMPRESSION IN IMPLANTOLOGY

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KEYWORDS: *impression, transfer, implants, resin*

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