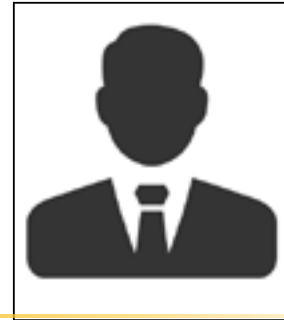


Title: Management of Adult Patients with Impacted or Missing Teeth in Orthodontic Practice

Mhd Azhar Ibrahim Kharsa

Commonwealth of Saint Kitts & Nevis Orthodontist & Dentofacial Orthopedist



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Treatment of Adult Patients in Orthodontic Practice is important, as existence of impacted or missing tooth/teeth may hurdle orthodontic treatment sometimes and become a dilemma especially if complications exist and multidisciplinary treatments required.

The Purpose of This Presentation: How the practitioner can handle the impacted or missing tooth/teeth case(s) of adults?

Materials and Methods:

The purpose of this presentation is to discuss the prognosis of impacted, dilacerated and missing teeth and the available approaches or managements of such cases in adults. It answers the questions about the available orthodontic treatments. Orthodontist has two approaches to manipulate the impacted teeth, when thinking to go for orthodontic assisted eruption, the two approaches are:

- Open exposure or open orthodontic eruption.
- Closed orthodontic eruption.

However, not all impacted teeth are available to be treated by the enforced orthodontic eruption and not all the impacted teeth are even liable to erupt finally; so other approaches may be chosen in treatment plan like:

- 1- Extraction of the impacted tooth with poor prognosis or in the sequence of orthodontic treatment plan (e.g. space deficit).
- 2- "Disregard" and observation for a few cases under restricted conditions. The Orthodontic Treatment is crucial in the interdisciplinary cases as well. The aforementioned notion is a part of

a very vast domain of orthodontics called "Rehabitative Orthodontics".

The presentation shows cases as examples of management possibilities, complications and discuss the matters from a clinical standpoint.

Results:

The orthodontic assisted eruption is successful in most part of cases, if fulfilled properly, however other options have to be taken into account.

Conclusion:

It is recommended that right decision be taken regarding orthodontic assisted eruption according to each case per se. Complications should be taken into account, as there is "no recipe or cook book" that encompasses all the variant cases of all the individual differences.

Finally, thorough diagnosis and treatment plan is a must in successful treatment results.

Biography

Commonwealth of Saint Kitts & Nevis Orthodontist & Dentofacial Orthopedist Bachelor's Degree in Dentistry. – Certificate of French Language Completion, S2-CCF. 20-01-1997. – Certificate of English Language Completion, 7B-ALC. 29-01-2000. – Certificates in Orthodontic Specialization: University of Medicine and Pharmacy of Timisoara, "Victor Babes", Romania-European Union 2003. – Ph.D. în Medicină Dentară.

Title: AN EASY WAY TO BRACES SYSTEM

Aiman Obeid

Senior engineer PhD, ICITECH, UPV, València, Spain



Received: July 11, 2022, Editor assigned: July 12, 2022, Reviewed: July 15, 2022, QC No. Q-00002;
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A brief and practical explanation how to treat simple cases with braces system, in this presentation you will find the answers for the most common questions for GP dentist who are interested in braces system such:

- What is the purpose of braces system?
- Biology of the periodontal ligaments and alveolar bone?
- Elements and consistence of braces system?
- How does braces system work?
- Steps for putting braces and ligating the wire?
- Consequence of the wires?
- Debonding
- Retention
- Instrument
- Which cases can/not we treat as a beginner?
- When we can/not use braces?

Presentation will focus on the practical part of braces system, enabling you to start practicing braces system, it has slides of photos and practical videos with the explanation such how to fix the braces on, installing and ligating the wire with elastic ligatures and the power chain, sorting the wires types showing the differences between them and the function/roll of each of them, the sequences of the wires sizes, removing the braces and cleaning procedure, necessary instruments for all the procedures and many other useful information.

Biography

Dr.Aiman Obeid has completed his specialization in orthodontic in 2012 in Belarussian Medical State University, Belarus. After that he started his work as an orthodontist in UAE, he published his scientific work (about self ligating braces) in one of reputed medical journals, translated a research of 140 pages in lingual braces. Participated as a speaker in "2nd International Conference on Dental Practice" (webinar) about "AN EASY WAY TO BRACES SYSTM". Spoke in TV interviews in famous local and international TV channel.

Title: Tads: Success Keys, Application And Risks

Aiman Obeid

Orthodontist, UAE



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Temporary anchorage device (TADs) or mini-implants definition, different type's comparison. Application and field of use of TADs in orthodontic: 1. Correction of deep bite. 2. Extraction space closure. 3. Canted occlusal planes and dental midline correction. 4. Up-righting and extrusion of impacted molars. 5. Intrusion of molars. 6. Maxillary molar distalization and distalization of mandibular teeth. 7. Molar mesialization. 8. Skeletal expansion and corticopuncher. 9. Correction of vertical skeletal discrepancies. Videos about practical part of TADs insertion: Interradicular, IZC, Lingually insertion with angulated hand piece, corticopuncher and MSE application. Risk and complication. Keys of success.

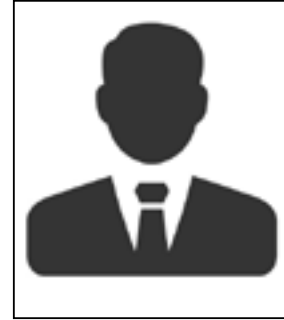
Biography

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Title: Role of Leucocytes and Plasma rich Fibrin in Regenerative Dentistry

Walid Elebiary

DDS, MSC



Received: July 18, 2022, Editor assigned: July 19, 2022, Reviewed: July 25, 2022, QC No. Q-00001;
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Periodontitis is an infectious disease that causes destruction of the tooth attachment apparatus. Untreated periodontitis results in progressive attachment loss that may eventually lead to early tooth loss. There are a broad range of treatment options available, but only some may be regarded as truly regenerative procedures. Regeneration is defined as the reproduction or reconstitution of a lost or injured part of the body in such a way that the architecture and function of the lost or injured tissues are completely restored. The aim of regenerative periodontal therapy is to restore the structure and function of the periodontium. Periodontal regeneration requires an orchestrated sequence of biologic events, such as cell migration, adherence, growth, and differentiation, to have the potential to increase the success and predictability of periodontal regenerative procedures. According to a position paper from the American Academy of Periodontology, periodontal regenerative procedures include soft tissue grafts, bone replacement grafts, root biomodifications, guided tissue regeneration (GTR), and combinations thereof for osseous, furcation, and recession defects. For many years, research has attempted to use biologically active molecules to achieve periodontal regeneration

A convenient technique to obtain a high concentration of PDGFs is by preparing autologous leucocytes-platelet rich fibrin (L-PRP). In basic terms, it involves the sequestration and concentration of platelets in plasma, with subsequent application of this preparation to wound-healing sites. It has been shown that application of L-PRP to the wound-healing site increases the concentration of platelets (and theoretically of PDGF) by up to 338%.

It was also speculated that, because of its fibrinogen content,

L-PRP reacts with thrombin and induces fibrin clot formation, which, in turn, is capable of upregulating collagen synthesis in the extracellular matrix and provides a favorable scaffold for cellular migration and adhesion. Various studies have reported on the use of PRP in the treatment of periodontal intrabony defects (IBDs) either alone or in combination with grafts or in the treatment of furcation defects.

Biography

Dr. Aiman Obeid has completed his specialization in orthodontic in 2012 in Belarussian Medical State University, Belarus. After that he started his work as an orthodontist in UAE, he published his scientific work (about self ligating braces) in one of reputed medical journals, translated a research of 140 pages in lingual braces. Participated as a speaker in "2nd International Conference on Dental Practice" (webinar) about "AN EASY WAY TO BRACES SYSTEME". Spoke in TV interviews in famous local and international TV channel.

Title: 3D printing in dentistry with emphasis on prosthetic rehabilitation and regenerative approaches

Samaher Hejazi

MSC-Orthodontist Master Degree in Pedo-Dentistry



Received: May 27, 2022; Editor assigned: May 28, 2022, Reviewed: June 04, 2022, QC No. Q-00001;
Published: August 09, 2022 Invoice No.ADER-0000F1

Basic problems of the need and demand for orthodontic treatment have been discussed and new areas of research have been identified. Discrepancies have been described between the views of the dental profession and the potential patients on malocclusion and the need for treatment. For malocclusions with or without impairment of the function the self-perception of the patient may be different from and of more relevance than the professional judgment of the orthodontist. Before going into orthodontic treatment, the social sufficiency of the patient should be evaluated.

Orthodontics - is one of the fields in Dentistry that has also benefited from advances in 3D printing, enabling the transition to a fully digital workflow with the incorporation of intraoral scanners and 3D printers. 3D printing can enable the presentation and visualization of these changes and, therefore, aid orthodontists foresee the biological responses following the application of orthodontic forces and patients visualize the final outcomes of orthodontics treatment.

Moreover, 3D printing has been used to fabricate orthodontic models, aligners, and appliances had better fitting accuracy and resulted in more rapid tooth movement with more uniform stress distribution. 3D printing, several factors should be taken into consideration to allow a better control of tooth movement, such as a lower layer thickness (staircase effect) and a higher accuracy

Summary: Orthodontics is usually among the most elective areas of oral therapy. However, when considering the significant effect

on personality development that a beautiful smile with normally aligned teeth can have, and the increased self-esteem that this health service develops, it becomes less elective. Orthodontic therapy, usually delivered by orthodontic specialists, is readily available at moderate cost and without many risks or complications. It should be accomplished when necessary to improve the appearance of the smile and the function of the chewing mechanism, as well as to improve patient self-acceptance.

Biography

Dr.Aiman Obeid has completed his specialization in orthodontic in 2012 in Belarussian Medical State University, Belarus. After that he started his work as an orthodontist in UAE, he published his scientific work (about self ligating braces) in one of reputed medical journals, translated a research of 140 pages in lingual braces. Participated as a speaker in "2nd International Conference on Dental Practice" (webinar) about "AN EASY WAY TO BRACES SYSTM". Spoke in TV interviews in famous local and international TV channel.

Title: Zirconia Crowns: A Paradigm Shift In Pediatric Esthetic Crowns

Viral Pravin Maru

D Y Patil School of Dentistry, Navi Mumbai



Received: June 30, 2022; Editor assigned: July 01, 2022, Reviewed: July 05, 2022, QC No. Q-00001;
Published: August 09, 2022 Invoice No: ADER-0000F1

Traditionally, many clinicians tend to forego esthetic considerations when full-coverage restorations are indicated for pediatric patients with primary dentitions. However, the availability of new zirconia pediatric crowns and reliable techniques for cementation makes esthetic outcomes practical and consistent when restoring primary dentition.

The present paper helps us to understand the steps in tooth preparation to receive zirconia crowns as well as tips and tricks to enhance its retention.

Recent publications: Cytotoxicity and bioactivity of Mineral trioxide aggregate and bioactive endodontic type cements: A systematic Review. *Int J Clin Pediatr Dent*. Assessment of precautionary measures practiced and impact of nationwide lockdown on psychological health of dental professional of Maharashtra due to COVID -19 pandemic: a cross sectional study. *J Cardiovascular Dis Res*. SHEDs response to various pulpotomy materials: cytotoxicity and gene expression analysis. *J Clin Pediatr Dent*. Evaluation and comparison of cytotoxicity and bioactivity of chemomechanical caries removal agents on stem cells from human exfoliated deciduous teeth. *Eur Arch Pediatric Dent*. 2021. Constituents, Properties and Clinical Applications of OrthoMTA & RetroMTA: A Systematic Review. *Indian J Dent*.

The COVID-19 pandemic in a pediatric population: A health care perspective. *J Mother Child*. Assessment of bacterial load using 3.8% SDF as an irritant in pulpectomized primary molars: A randomized controlled trial. *Int J Clin Pediatr Dent*. Biocompatibility, bioactivity and gene expression analysis of SHEDs cultured in various calcium silicate based cements: A systematic review and meta-analysis of in vitro studies. *J Clin Pediatr Dent*.

Biography

Dr Viral Pravin Maru is a renowned pediatric dentist, practicing in Mumbai, Maharashtra, India since 2007. He is currently pursuing PhD in the same subject from D Y Patil School of Dentistry, Navi Mumbai. He has been working in the field of stem cell research since 2015 extensively. He has many national and international publication to his credit. At present he holds the prestigious post of associate professor in one of the renowned educational institution. He has a personal interest in stem cell research applied to pediatric dentistry.

Title: Short Implant Vs Sinus Elevation

Hassan Hussain Koshak

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Published: August 09, 2022 Invoice No.ADER-0000F1

Clinical choice of the most appropriate implant therapy modality should be based on assessment of the residual alveolar bone height, width, and sinus morphology with a cone beam computed tomography (CBCT) scan, current scientific evidence, surgical skills and experience of the surgeon, and the patient's preferences. Following a good surgical protocol and excellent oral hygiene maintenance program are fundamental elements in achieving a successful and predictable outcome. The available evidence on short dental implants in early research was not significant comparing with the longer dental implants; the surface treatment is improving now than before for this reason.

The use of short implants allows treatment of patients who are unable to undergo complex surgical techniques for medical, anatomic or financial reasons. By reducing the need for complex surgeries short implants reduce morbidity, cost and treatment time. Recently short implants offer a less invasive treatment alternative in resorbed ridge cases.

Biography

Hassan H Koshak is Consultant in Periodontics and Implant Dentistry. Head of the Dental Department and Dental Educator, Director of Academic and Education Affairs at Comprehensive Specialized Polyclinic, Ministry of Interior Security Forces Medical Services, Jeddah, Kingdom of Saudi Arabia, where he has been since 2016. He received a Saudi Fellowship In Dental Implant from the Saudi Commission for Health Specialties, 2014-2016.

He received a Saudi Board In Periodontics from the Saudi Commission for Health Specialties, 2012 -2014.

He received his Master of Science in Dentistry (MSD) and a Clinical Certificate In Periodontics from Riyadh Colleges of Dentistry and Pharmacy 2009-2012, Riyadh, KSA. With Honours. Also he received his Advanced Education in General Dentistry (AEGD) from University of South California School of Dentistry 2006-2008. And he received his Bachelor of dental medicine and surgery (BDS) from Faculty of Dental Medicine and Surgery, King Abdul-Aziz University, Jeddah, KSA.