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Treatment planning edentulous patients with fixed implant supported prosthesis- criteria and key factors

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Treatment planning for full edentulous patients evolved from complete tissue supported to implant supported or retained prosthesis. Fixed Implant supported prosthesis improved patient comfort and functional capabilities. It all started with using fixed detachable casted metal bar with acrylic teeth by Branemark. Although, technology in implant supported prosthesis fabrication has improved and treatment options have been diversified for the past 40 years, rehabilitation of edentulous patients remains a complex treatment. New objectives and criteria need to be suggested to simplify treatment modalities. There are several factors that should be considered while planning for the treatment in such cases. Pre-operative schemes vary considerably and there are many factors that affect functional and esthetic aspects of treatment. Quality time should be spent in diagnosis and treatment planning. We know that several authors discussed major principles for treatment planning and these principles should serve as a foundation for any treatment options that involve advanced technology. The purpose of this presentation is to propose more detailed criteria that help in decision making during treatment planning edentulous patients with fixed implant supported restorations. These criteria can be used as a guide for clinicians to simplify the process of treatment planning and to expect more predictable outcome of treatment in regards to functional and esthetic aspects.

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Biological endodontics: Evolution or revolution

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To date, direct pulp capping was a treatment generally used in young patient with an exposed vital pulp and with a dental material to facilitate the formation of reparative dentin and maintenance of vital pulp this treatment now is applied in adult patients as well. Re-vascularization is a new treatment method that allows the stimulation of the apical development and the root maturation of immature teeth. Pulp re-vascularization is dependent on the ability of residual pulp and apical and periodontal stem cells to differentiate. This lecture will review not only the materials of choice and assess a step by step protocol for: Pulp re-vascularization, to obtain desired therapeutic success. New trends in irrigation like solutions, goals, risks and limitations and recommendations for effective and safe irrigation will be presented. Current status in endodontic instruments in past years: A reciprocating movement NiTi instrument was introduced to endodontics, and due to its simplicity of use, the lack of procedural errors during cleaning and shaping, it has acceptance among dental schools, GPs as well as endodontics worldwide. The presentation is a summary of the current status of endodontic files; recommendations for safe and effective use of instruments will be presented. After this lecture, the participants will be able to understand the biological objectives of root canal treatment recommendations for effective and safe irrigation and understand the ability of a single file system over multiple files systems in preparing canals without procedural errors.

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