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Implant Retained Fixed Prosthesis to Treat A Case of Single But Bilateral, Long Span Distal Extension Partial Edentulism

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Abstract

Introduction: To treat partial edentulism we have multiple treatment options in our hand. To choose between them we need sound knowledge about indications contraindications and merits and demerits of every treatment option. In this case a long span edentulous area is successfully treated with implant retained fixed prosthesis.

Materials and Methods : In this particular case, a modification of Kennedy's class II situation, a patient who had missing right lower central and lateral incisors and all the left lower teeth is evaluated and examined by intraoral and radiographic examinations. After careful analysis, it was decided to rehabilitate the case with four implant supported and two separate fixed partial dentures. In stage I surgery four implants of different diameter was placed. In second stage surgery after four months healing abutments were placed and subsequently prosthetic works were carried out. A software named Exocad were used to fabricate virtual pattern of the anticipated prosthesis which was then step by step converted into the porcelain fused to metal prosthesis.

Results : Passively fitted FPDs were screwed with implants after some necessary adjustments. The criteria for occlusion in implant dentistry were looked after. Patient reported reasonably happy with functions, esthetic and comfort after six months.

Discussion : The importance of diagnosis and treatment planning of cases in prosthodontics can't be overemphasized. To choose between different modalities of treatments and to continue with a particular treatment upto success needs clinical skills as well as theoretical knowledge. As in this case after removing other treatment options one by one we ultimately decided for implant retained prosthesis which was the best available option in that given circumstances.

Conclusion : Based on available knowledge and data a patient was treated with implant retained fixed partial dentures. Two fpds were used and four implants were placed in strategical position. Thus a well judged case got contemporary treatment leading to patient's satisfaction.

Key Words : Implant retained prosthesis, Kennedy's class II situation

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