

Esthetic Anterior Implant Restoration

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To improve dental esthetics and to conserve the tooth structure are the new trends of contemporary dentistry. Good esthetics as well as good osseointegration, passive fitting of prosthetic superstructure, and optimized occlusion for load distribution are the requirement of successful dental implant. For esthetic implant restoration, various factors should be considered from the stage of initial treatment planning to the final prosthetic procedure.

Surgical considerations are state of alveolar ridge, peri-implant soft tissue contour, expected implant installation position, state of mucosa around the implant. Prosthetic considerations are proper contour, shade and texture of crowns, emergency profile, smile line and activity of lips.

Periods of 3 to 4 months and 4 to 6 months have been recommended as healing times for osseointegrated implants placed in maxilla and mandible respectively. But, immediate implant restoration of an extracted anterior tooth can be as successful as delayed or staged implant restoration. It contribute to patient's comfort and treatment acceptance, maintaining the hard tissue and soft tissue architecture. Immediate implantation improve guide tissue healing maturation, healing potential of extraction socket, and reduce necessary healing time

To apply provisional restoration is generally

used to create the desired hard and soft tissue around the implant and progressive loading.

This clinical report presents immediate implantation, immediate implantation and immediate loading technique, delayed implantation and immediate loading technique in anterior implant restoration.

A 41-year old male with retained deciduous right and left maxillary cuspid was restored with 3i implant using immediate implantation and immediate loading by provisional restoration was applied. Also his two maxillary lateral incisor was restored with PLV for esthetic complaint of peg lateralis.

A 21-year old female with missing right maxillary central incisor was restored with 3i implant using GBR, delayed implantation and immediate loading technique by provisional restoration.

A 25-year old male with missing right maxillary central incisor was restored with Frialit-2 implant using GBR, delayed implantation, and immediate loading technique by Artglass provisional restoration.

A 17-year old male with missing two maxillary lateral incisor was restored with Frialit-2 implant using delayed implantation and immediate loading technique by provisional restoration.