

Dental Implants in Aesthetic Zone

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The bone regeneration is an important challenge in the field of implantology. The placement of dental implants can be restricted by deficiency of the alveolar ridge caused by resorption of bone after extraction of a tooth which is invariably followed by significant dimensional changes in the alveolar bone dimension, leading to reduction of the height and width of the alveolar ridge and to a reduced amount of available residual bone for implant placement. Thus, preserving the dimensions of alveolar ridge is an essential factor.

The regeneration solutions aim to develop

novel treatments to restore tissue function. Many surgical principles and materials can be used to fill the extraction socket, aiming to keep the shape and the size of the extracted tooth socket and facilitating in placing the dental implants. The grafting materials traditionally used include autogenous, allografts xenografts, or alloplast materials and use of autologous bone is considered the gold standard in bone regeneration.

This presentation will discuss the presently practiced techniques in regeneration of bone in dental implantology.