

# Immediate Tooth Replacement Therapy (ITRT)

The Dermal Apron Technique®  
Barry P. Levin, D.M.D.

## CLINICAL ARTICLE

### The Dermal Apron Technique for Immediate Implant Socket Management: A Novel Technique

J Esthet Restor Dent 28:Jan/Feb, 2016

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#### ABSTRACT

With immediate implant placement and provisionalization (IIP) in the esthetic zone, measures to counter hard and soft tissue loss are frequently necessary. To reduce the morbidity associated with bone and connective tissue procurement, various exogenous materials are utilized. The "Dermal Apron Technique" presented in this article demonstrates the use of a composite bone particulate (allograft/xenograft) plus a dermal allograft, adapted around screw-retained temporary crowns and secured within a subperiosteal pouch. The purpose is to augment the thickness of peri-implant mucosa for the purpose of preserving ridge dimensions and preventing mucosal recession. Controlled studies are required to further support its use.

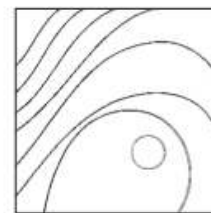
#### CLINICAL SIGNIFICANCE

Soft tissue health and harmony are critical for successful implant therapy in the esthetic regions of the dentition. Often, autogenous soft tissue grafts are used to augment peri-implant soft tissues. The Dermal Apron Technique is a method, that in specific situations, obviates the need for autogenous grafting. This reduces treatment time and morbidity associated with procurement of these grafts. The Dermal Apron Technique is used simultaneously with immediate placement and provisionalization and can improve long-term esthetic outcomes for patients.

(J Esthet Restor Dent 28:18–28, 2016)

# Published Clinical Research Supporting The Dermal Apron Technique® for Immediate Tooth Replacement Therapy

## Changes in Peri-implant Soft Tissue Thickness with Bone Grafting and Dermis Allograft. Part II: A Comparative Retrospective Case Series Using a Subcrestal Angle Correction Implant Design



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Immediate tooth replacement (ITRT) is a common and reliable method of replacing anterior teeth.<sup>1,2</sup> Outcomes are comparable to those achieved with conventional implant therapy.

## Changes in Peri-implant Soft Tissue Thickness with Bone Grafting and Dermis Allograft: A Case Series of 15 Consecutive Patients



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Immediate implant placement in the anterior dentition is a technique-sensitive procedure.<sup>1</sup> Many factors influence the physiologic and esthetic outcome.<sup>2,3</sup> Implant placement within the extraction socket plays a major role in the outcome of the procedure.

# Fractured Central Incisor

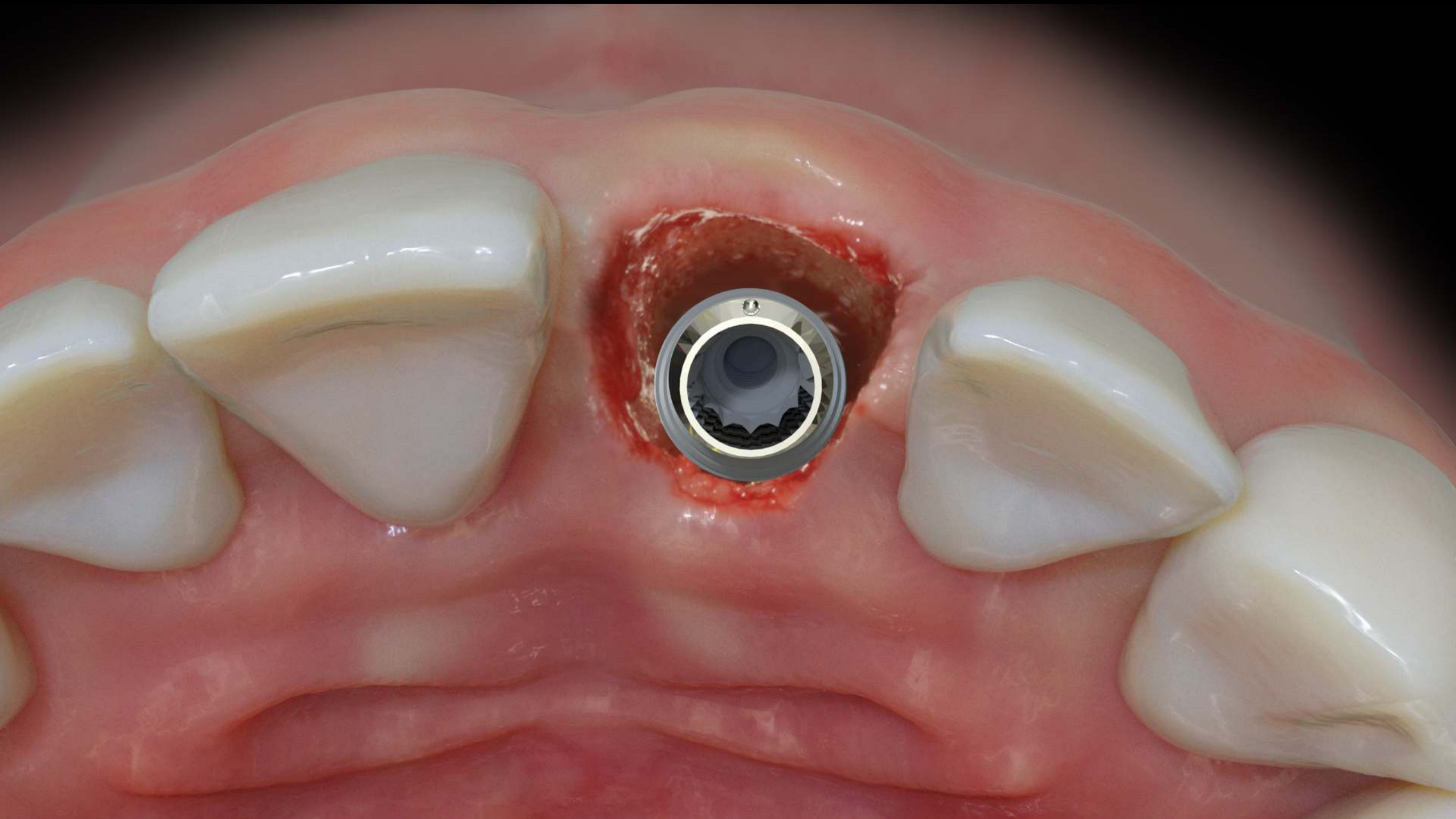




# Root Fracture

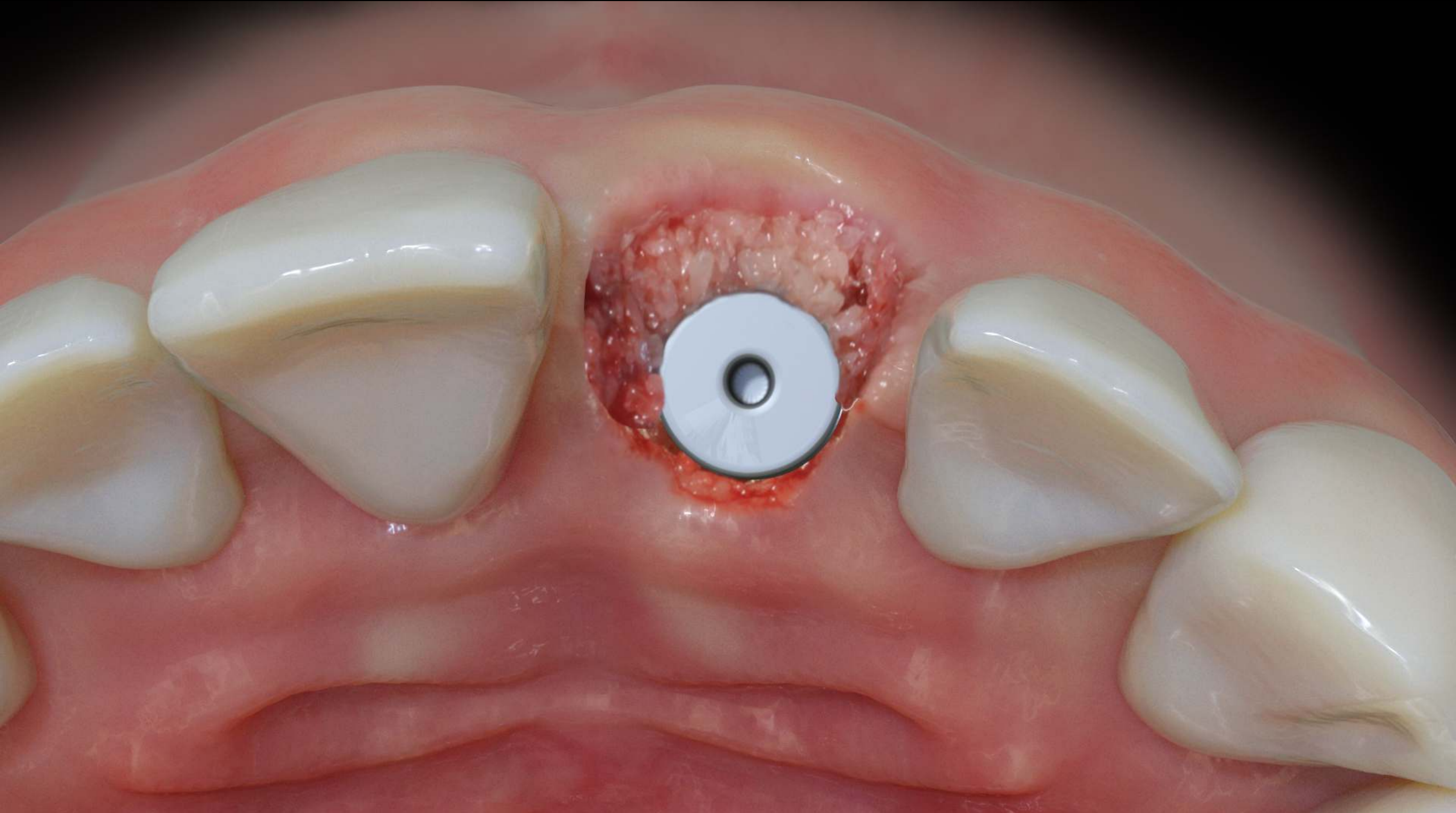


# Immediate Implant

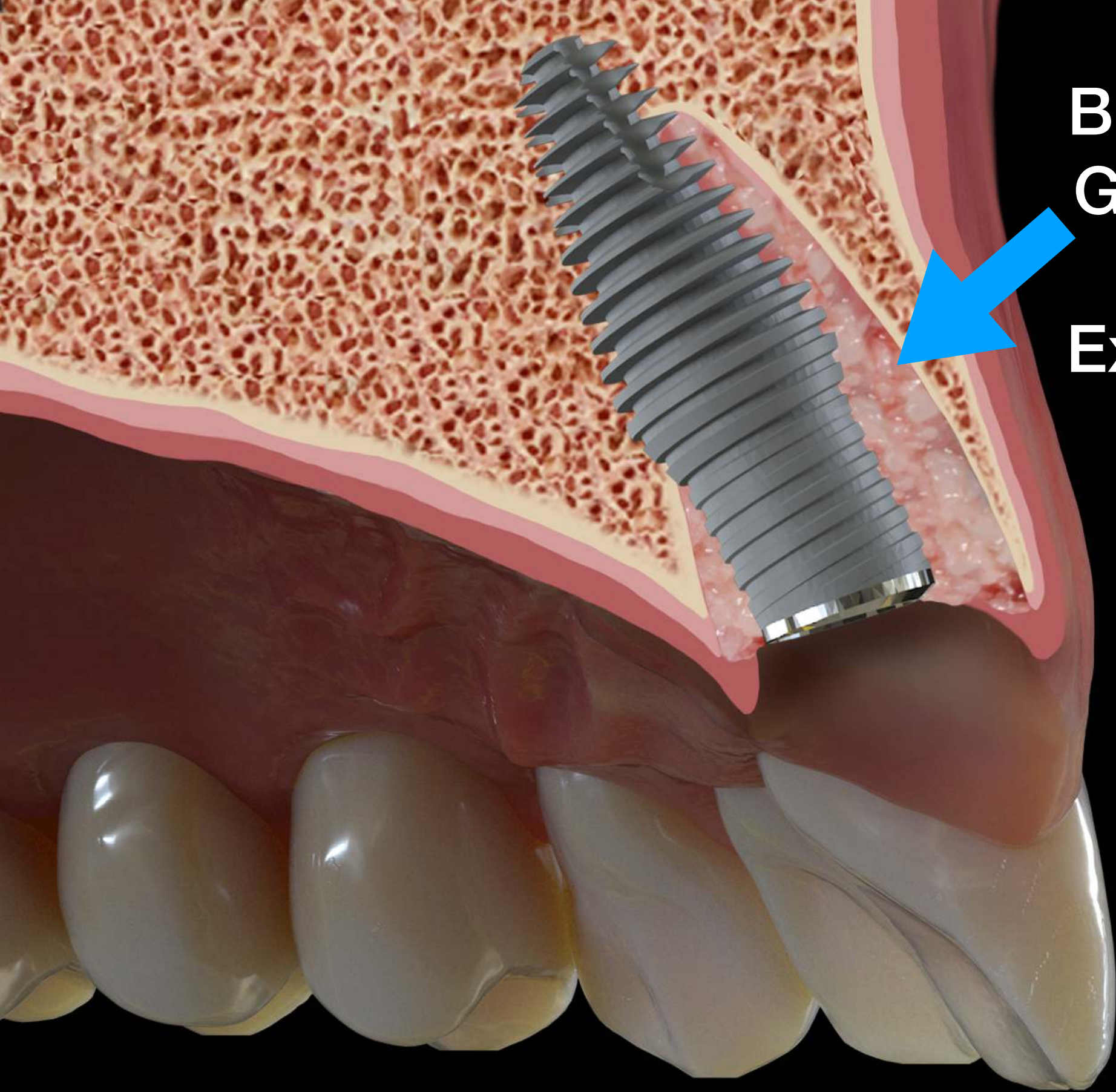




# Bone Graft in the Gap Between the Implant & Extraction Socket

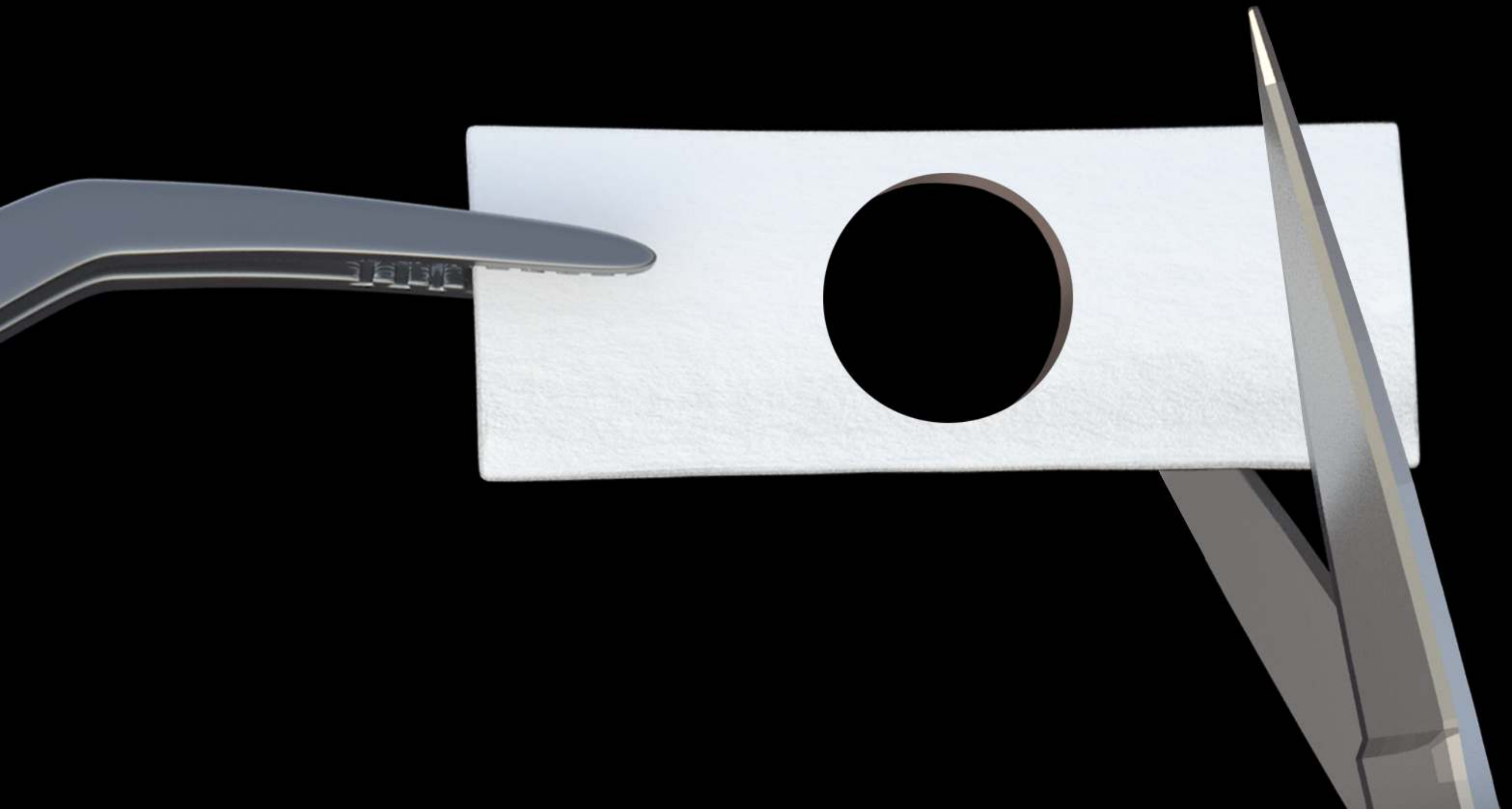






**Bone Grafting the  
Gap Between the  
Implant &  
Extraction Socket**

# Creating the Dermal Apron ®





# The Dermal Apron Technique®



**Temporary Crown**

# The Dermal Apron Technique ®



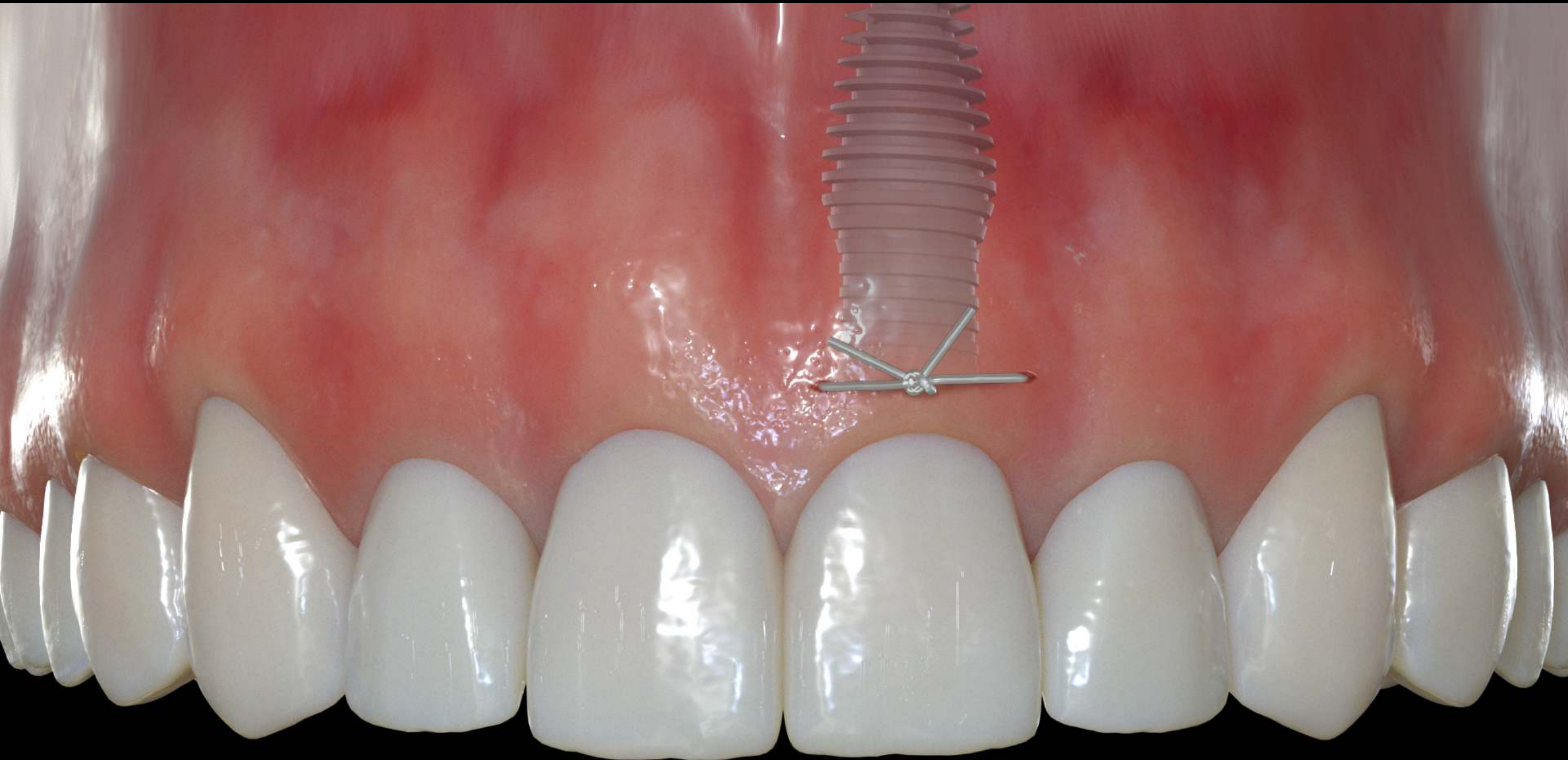


**The Dermal  
Apron Over the  
Bone Graft &  
Under the Gums**





# Immediate Tooth Replacement Therapy (ITRT) with the Dermal Apron Technique ®





# Temporary Crown On the Immediate Implant



# Final Crown





# Before



# After

