

## CLINICAL CASE I

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### **IMMEDIATE IMPLANTATION**

using Biomed implant / GIH® system  
on a maxillary central incisor

#### **Abstract**

##### **Chief complains**

- Pain and mobility on the maxillary right central incisor
- Esthetic failure of the anterior upper block

This clinical case describes the extraction of a fractured right maxillary central incisor tooth, on a 46 y.o female, followed by the immediate placement of a dental implant in the prepared socket and temporization of the upper anterior block. The tooth was atraumatically extracted, the socket was prepared to the required depth and a Biomed implant / GIH® system was inserted.

The precise operating technique and the immediate insertion of the implant in addition to the provisional restauration resulted in the preservation of the hard and soft tissues at the extraction site while providing the patient with immediate esthetics, function & comfort.

The surgery was performed by Dr. Ralph Zarazir, using the Biomed implant / GIH® system

## INTRODUCTION

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Dr. Ralph F. Zarazir  
DDS, MDS, MSc, DRED

Member of the national dental board  
*Beirut - Lebanon*



Ralph is an oral surgeon from Lebanon, specialist in dental implantology. He also holds a university diploma in restorative/esthetic dentistry and another master degree in medical sciences.

Dr. Zarazir is a senior lecturer at the St. Joseph university and actually working on his PhD.

He enjoyed visiting more than 90 countries; meeting different people while discovering new places and spreading good education in dentistry & medicine with ethics is one of his favorites in life.

1

Broken maxillary central incisor

Esthetic failure of the upper anterior block



2

Panoramic radiography



3

The broken central

4

Silicon key for temporaries



5

Crown removal & cleaning  
of cement remnants



6

Ceramic crowns sectioning



7

Elimination of the crowns





8

Cement cleaning



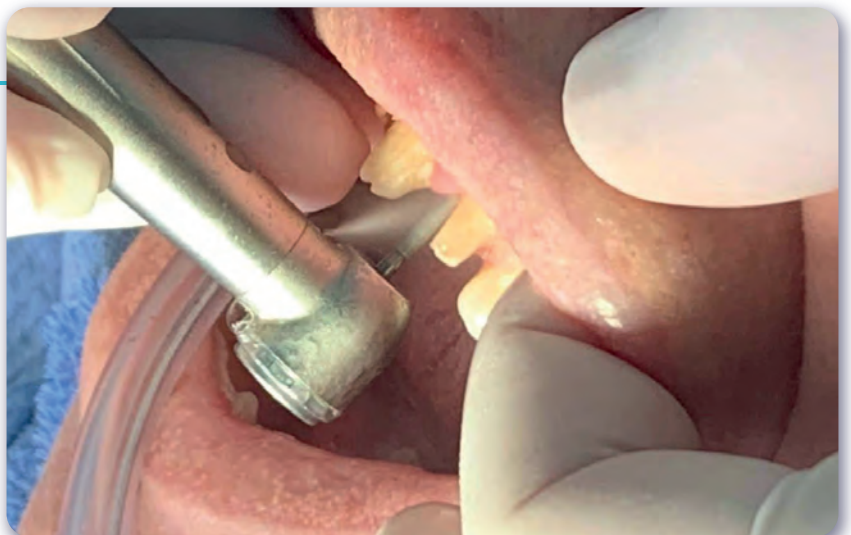
9

Local anesthetics



10

Prosthetic preparation



11

Soft tissue management



12

Final prosthetic preparation & polishing



*IMPLANT DENTISTRY*

ONEWAY  
**BIOMED**



*MADE SIMPLE*



13 - 16

Temporaries

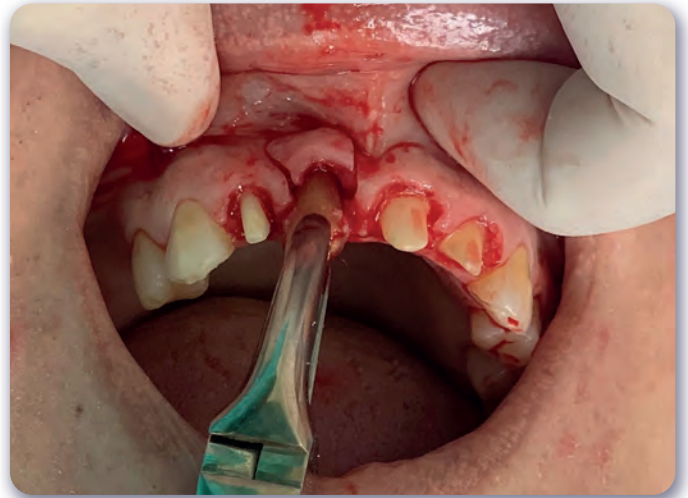
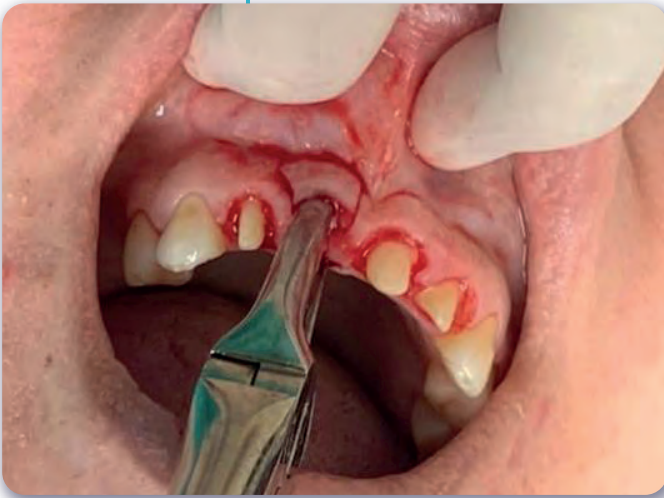


17 - 19

Papilla preservation incision

20 - 23

Atraumatic tooth  
extraction





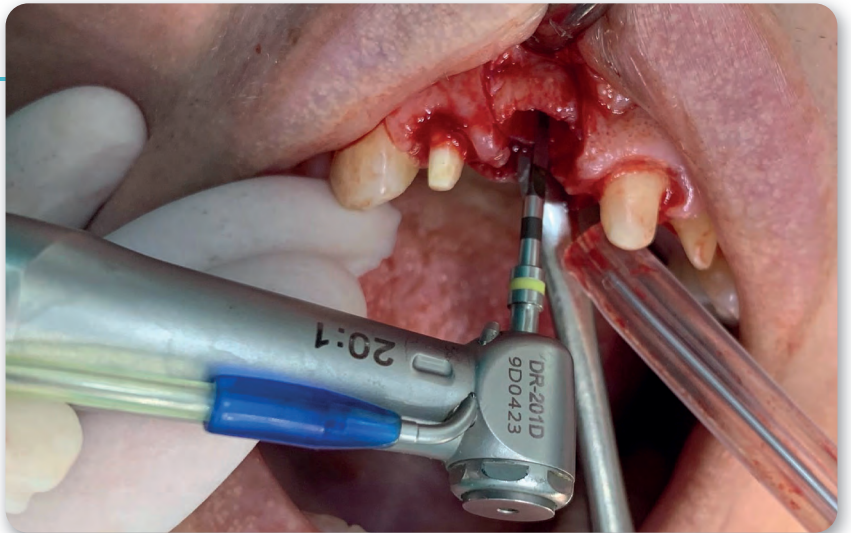
24

Minimal flap elevation



25

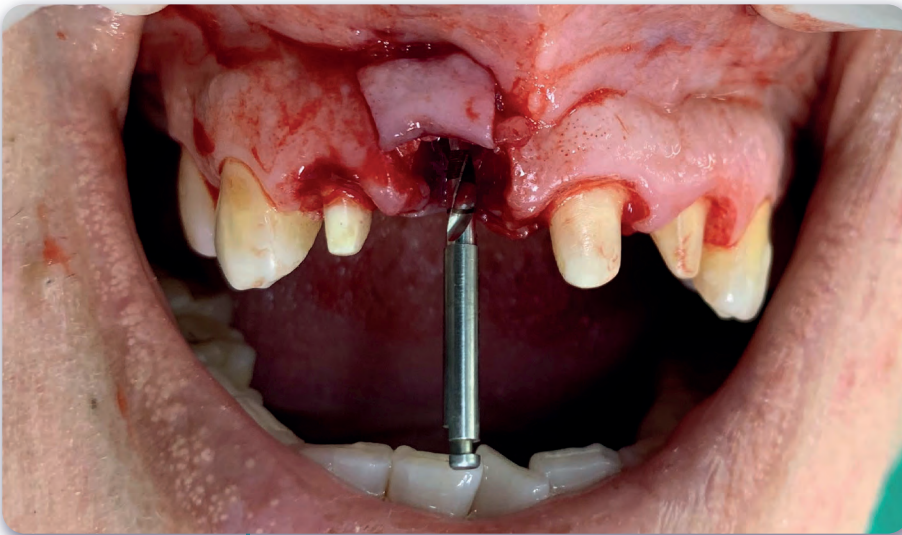
Pilot drill



26

Drill 1





27

Drill 2



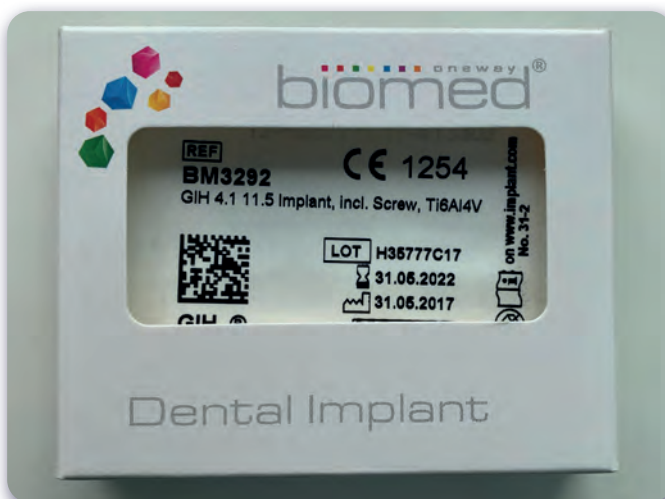
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Radiographic check



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Drill 3





30 - 35

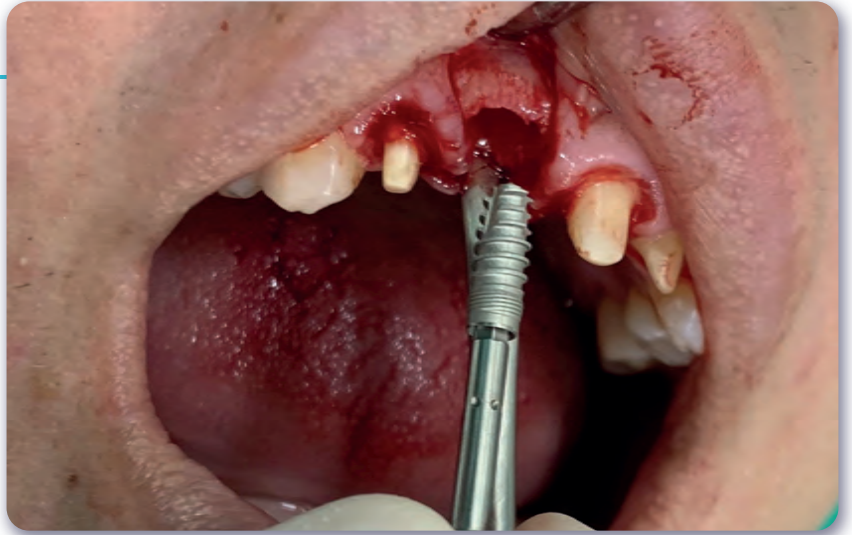
Implant & insertion tool





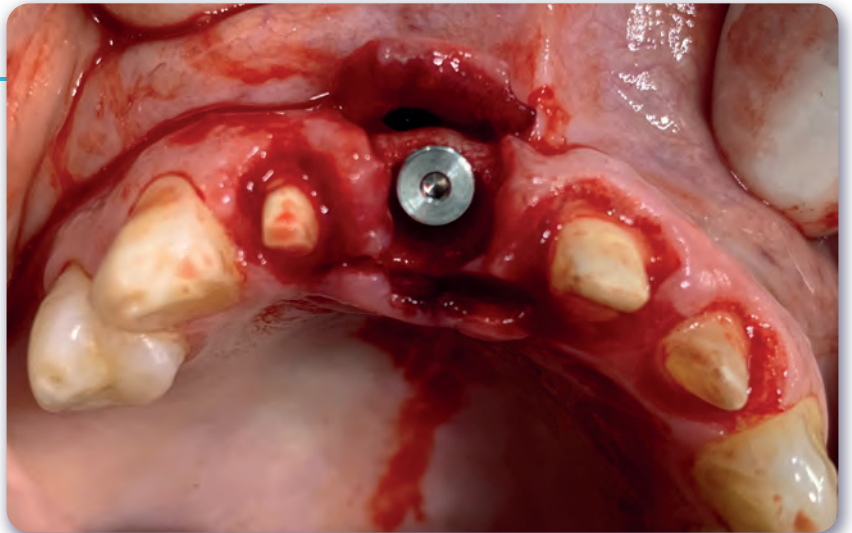
36

Implant placement



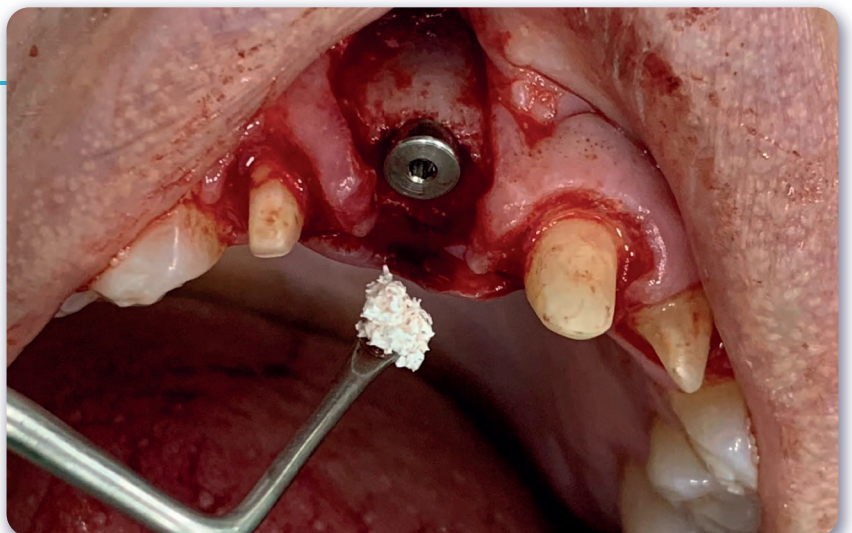
37

Gingiva former



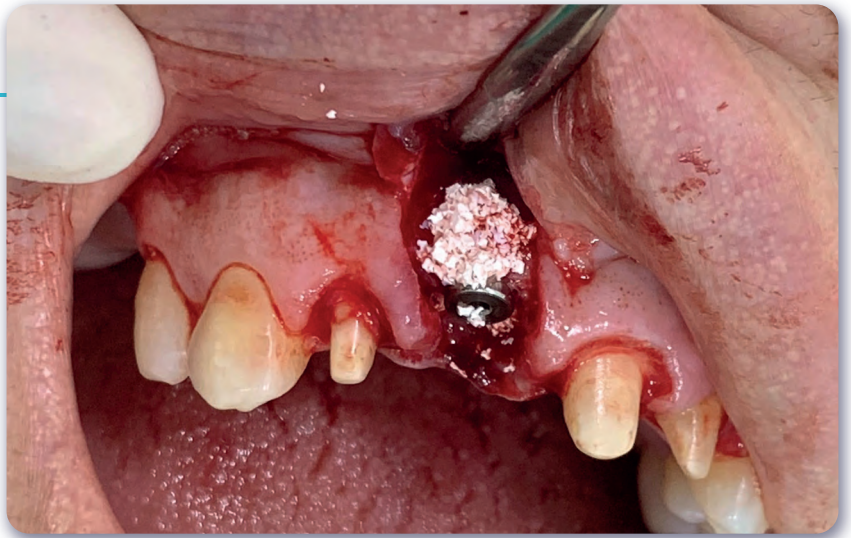
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Alveola bone grafting



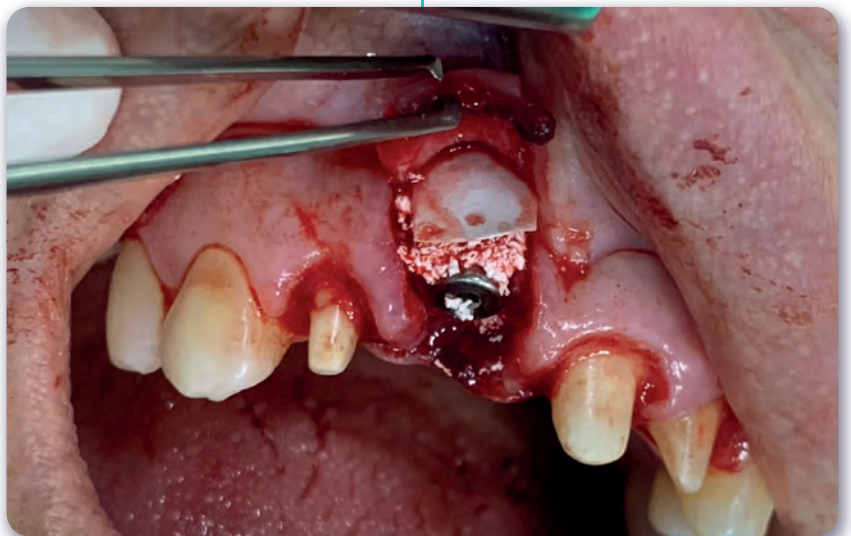
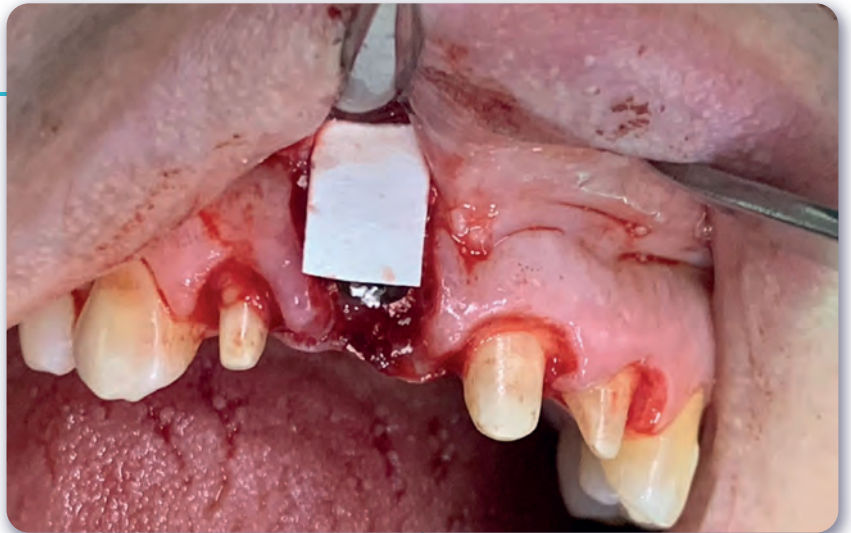
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Bone graft contour  
augmentation



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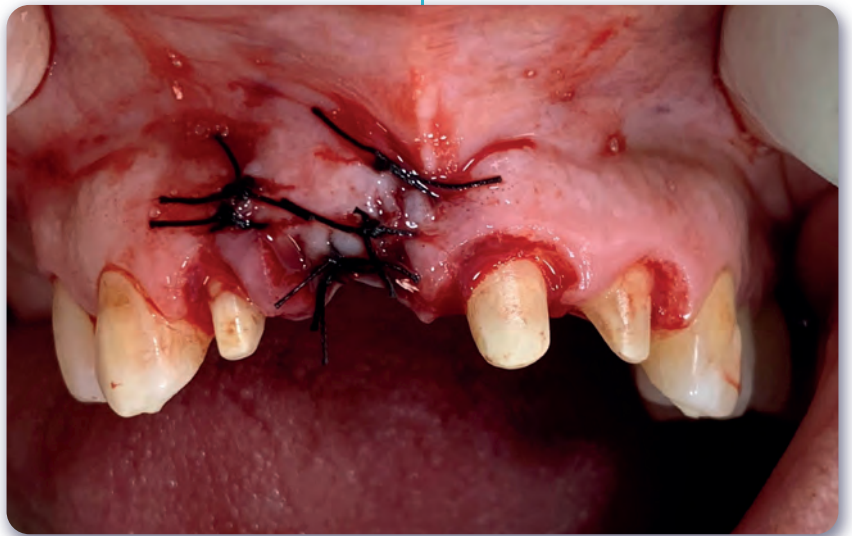
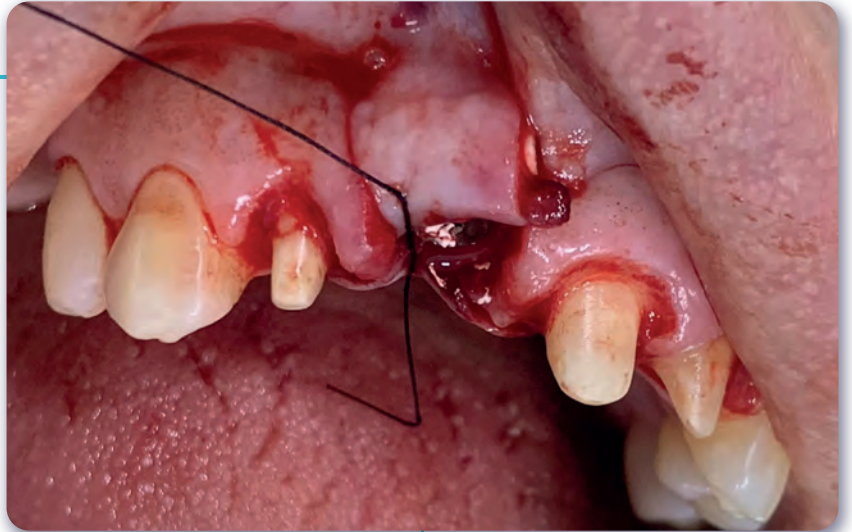
Protective collagen  
membrane





42 - 43

Sutures with no tension



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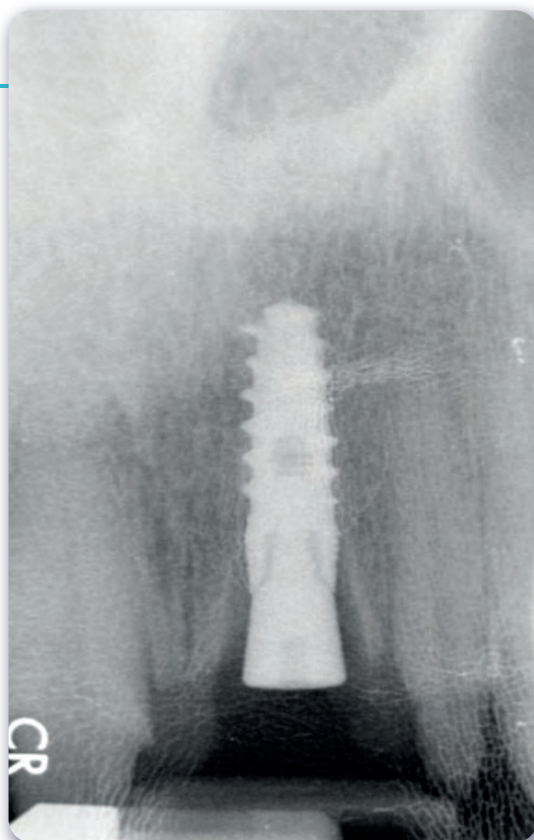
Temporaries cementation





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Final X-Ray



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End of surgical &  
temporaries procedure