



FEBRUARY 2019

# CLINICAL CASES REPORT

SURGEON - *Dott. Atef Ismail*

## BEFORE SURGERY

### ABSTRACT

A 32 years old patient complained of pain and swelling in the lower right second molar. By both clinical and radiographic evaluation, extraction and implantation is the appropriate line of treatment. Atraumatic surgical extraction was performed by splitting each root to maintain interseptal and apical bone. Proper selection of implant was performed according to the criteria that provides the highest primary stability and secured outcome. Immediate post extraction implant placement was performed with simultaneous bone augmentation to fill the gaps in the bone and around the implant. Post operative x-ray was performed to ensure proper position of the implant.

### DIAGNOSIS

Badly decayed lower right second molar that necessitate extraction and immediate placement of HELI implant

### RX O TAC before surgery

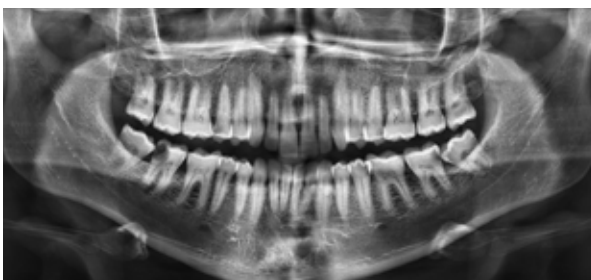
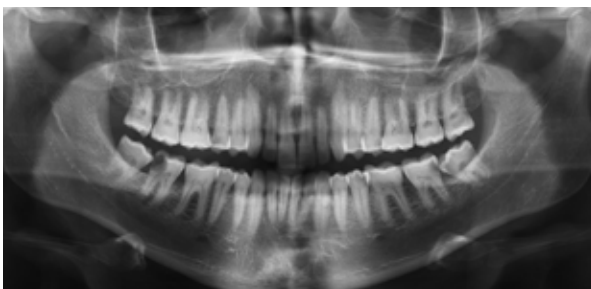
Antibiotic was given two days before the operation  
Anti-inflammatory

### PRE-OPERATIVE CONSIDERATIONS

(describe the situation and the problems and actions to be carried out)

The decision was to extract the tooth and replace it immediately with a HELI implant.

## PICTURES





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## SURGERY

**DURATION OF SURGERY**

45 mins.

**TOTAL TREATMENT TIME**

1 session (45 minutes) - tooth extraction and implant insertion  
2 Sitting (1 hour) – prosthetic phase

(describe the steps that will lead the patient to the solution of the case)

**PROJECT NAME INDICATE TYPE OF INTERVENTION**

Eg Immediate insertion of a HELI implant

**PRODUCT FEATURES**

4.2 x 8.0mm

**INTERNAL LOCATION INSIDE THE MOUTH**

7

**OPERATIONS PERFORMED**

(describe the situation and the problems and actions performed)

Surgical extraction was performed after proper umbrella of antibiotic was given to the patient 2 days before surgery. Splitting of the tooth to separate each root was done to facilitate the removal of the tooth and to preserve the surrounding and interseptal bone. Socket curettage was performed to remove any infected tissues. Proper evaluation of the depth was performed by an implant probe and was compared with the CBCT measurements to insure the actual bone levels. Implant was inserted without drilling using the merits of the HELI implant to maintain the interseptal bone and to avoid vital structures. Simultaneous augmentation was performed after the implant insertion followed by approximation of tissue edges to promote healing.

## PICTURES





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## POST-SURGERY AND FINAL CONSIDERATIONS

### CONSIDERATIONS AFTER SURGERY

(describe the stay and the results by briefly describing the various aspects and problems)

Antibiotic therapy was continued  
Anti-inflammatory and warm Saline mouthwash were prescribed

## LAB

### LABORATORY DENTAL TECHNICIAN

Cairo Lab

### OPERATIONS PERFORMED

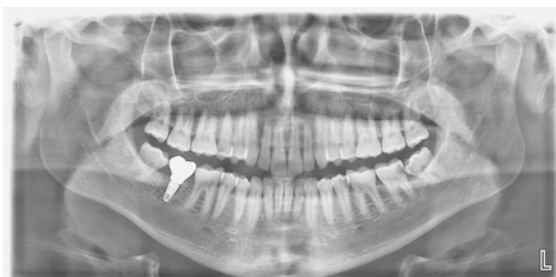
(describe the situation and the problems and actions performed)

A temporary abutment was immediately screwed to the implant

## PICTURES



After 3 months



post prosthetic

