

IMMEDIATE POST EXTRACTION IMPLANTS ADVANTAGES AND INCONVENIENCES

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Abstract: Immediate post-extraction implants replace the teeth extracted during the same session. The success percentage of such procedures varies from 92,7 to 98,0%, according to certain authors. The main indication of immediate implantation is the replacement of teeth with pathologies that do not respond to the treatment, anymore.

Keywords: immediate postextraction implant, advantages, inconveniences

Rezumat: Implantele imediate postextractionale înlocuiesc dinții extrași în aceeași ședință. Rata de succes a acestor proceduri chirurgicale variază după unii autori între 92,7-98,0%. Indicația principală a implantului postextractional o reprezintă dinții care nu mai răspund la tratament.

Cuvinte cheie: implant imediat postextractional, avantaje, dezavantaje

INTRODUCTION

Initially, a healing period of 9-12 months was advised between tooth extraction and implant placement. Now, both surgical interventions can be performed in the same stage.

Clinical case presentation.

Picture no. 1. Initial radiography OPT. (Archives Dr. Nicolae V.)



Picture no. 2. Radicular extraction (Archives Dr. Nicolae V.)



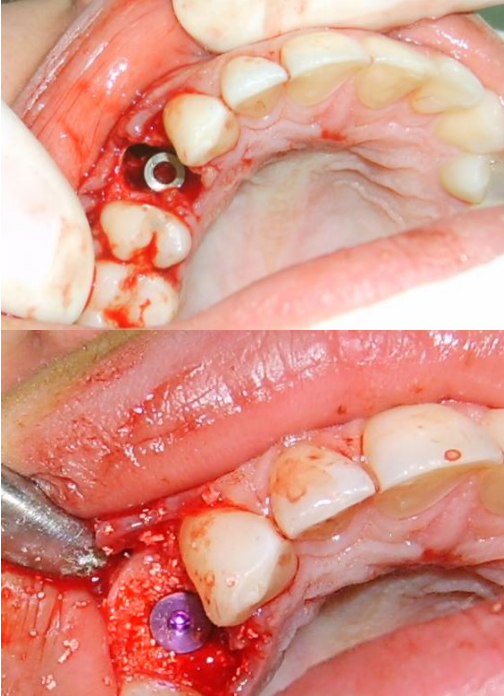
Picture no. 3. Site preparation for implant insertion (Archives Dr. Nicolae V.)



Picture no. 4. Implant insertion (Archives Dr. Nicolae V.)



Picture no. 5. Implant insertion and augmentation
(Archives Dr. Nicolae V.)



Picture no. 6. Temporary prosthetic abutment and crown. (Archives Dr. Nicolae V.)



Indications of immediate implantation

Primary implantation is fundamentally indicated for:

- Replacing the tooth with pathology, that does not respond to the treatment, such as deep and complicated caries or fractures.
- Immediate implantation may be indicated in parallel with the extraction of the teeth with serious periodontal problems.

Contraindications

- The existence of an acute periapical inflammatory process represents an absolute contraindication to immediate implantation
- When the bone is insufficient for implants insertion, after tooth extraction.

Advantages

- One of the advantages of immediate implantation is that postextraction alveolar process reabsorption is reduced, thus improved functional and esthetical results may be achieved.
- Another advantage is represented by shortening the treatment period of time, since it is no longer necessary to wait 6-9 months for healing and bone formation to take place. Patients accept very well this advantage, avoiding the psychological stress represented by the need of a new intervention for implants insertion.

Inconveniences

- One of the inconveniences of immediate implant placement is the increased need for tissue regeneration and bone promoting techniques. The application of bone grafts and/or barrier membranes to the defect created by the socket-implant discrepancy contributes to increasing the complexity and cost of treatment .

CONCLUSIONS

Immediate implantation allows a high success rate of between 92,7% and 98,0%. When an extraction is indicated, immediate implants shorten the time to complete rehabilitation; they also reduce bone reabsorption of the residual alveolus and avoid the need for a second surgical intervention.

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CLINICAL ASPECTS

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