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Beyond Technology
- Digital & Esthetic Dentistry : A Powerful Combination
Important numbers in implant dentistry

CR-18
Clinical case Report

7

An innovative approach for atraumatic tooth extraction using 7 instruments (EASY EXTRACTION SET)

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Objectives

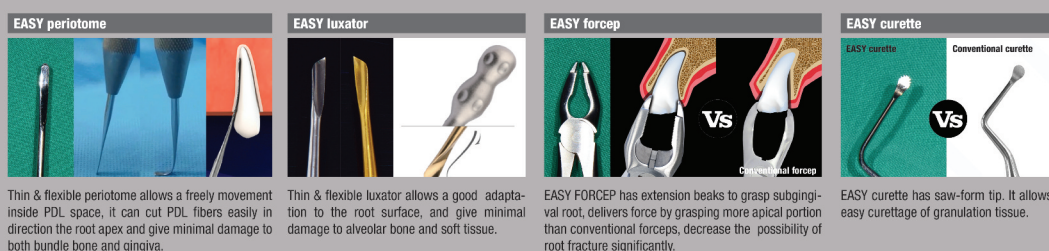
While conventional extraction techniques encourage minimal trauma, luxated elevation and forceps removal often results in fracture or deformation of the dentoalveolar housing. As far as possible, we should give minimal damage to the soft and hard tissues to preserve the integrity of vascular supply and periosteum covering bone. Because Atraumatic extraction provides an optimal environment for immediate implant placement. This study aims to report a technique for atraumatic extraction and simultaneous immediate implant placement.



< EASY extraction set >

Materials and Methods

EASY extraction set consists of 7 instruments (2 periostomes, 2 luxators, 2 forceps, 1 surgical curette). EASY extraction technique is performed by using these instruments sequentially.



CASE 1.

Immediate implant placement following extraction



CASE 2.

Intentional replantation

Unknown pain patient after endodontic treatment



Results

Root canal treated brittle teeth or root were extracted easily in one piece without fracture by EASY extraction technique. Implant placement was performed without any complication. Healing was uneventful and all implants osseointegrated.

Conclusions

To preserve the alveolar bone proper, particularly that of the labial and lingual plates of bone it is essential that the extraction should be done in an atraumatic manner, providing the optimal environment for maximizing bone implant contact and implant stability. The extraction can be performed easily without damage to the soft tissue and alveolar bone by using EASY EXTRACTION set & technique. Fresh extraction sockets can provide an optimal environment for tissue healing after surgery. EASY EXTRACTION technique is very useful for following various extraction cases; 1) Extraction of root canal treated tooth 2) Teeth with curved or ankylosed root 3) Intentional tooth transplantation 4) Residual root with high possibility of fracture 5) Immediate implant placement following atraumatic extraction 6) Removal of fractured root tips during extraction.