

DENTAL

Osteoplug®

Alveolar Ridge and Socket Preservation

Surgical Guide



Surgical Guide

1

Tooth Extraction

- Atraumatic extraction techniques should be used with attempts to preserve all of the remaining alveolar bone adjacent to the tooth.



2

Surgical Site Preparation

- Thorough curettage of socket.
- Rinse with copious saline or chlorhexidine irrigation for clarity.
- Preparing of local mucogingival flap for the later step of primary wound closure.



Warning: This description is not sufficient for immediate application of the surgical device. Instruction by a surgeon experienced in handling the surgical device is highly recommended.

Surgical Guide *cont'd*

3 Osteoplug® Preparation & Insertion

- To select the proper size of the Osteoplug®, measurement of the socket could be using the periodontal probe to the extracted root fragment. Osteoplug® can be cut/trimmed using surgical scissors or blade according to the desired width and length.
- Osteoplug® should replace the 2/3 top of the extraction socket and tightly fit. For multi-rooted tooth extractions, more than one piece of Osteoplug® may be used to fill the entire sockets.
- The top plane of the Osteoplug® to level with the bone socket. Simple trimming can be done using surgical scissors or blade.
- Allow blood to flow in and create clot inside the scaffold.
- Other biologically active substances such as platelet rich plasma (PRP), bone marrow aspirate (BMA) to enhance bone regeneration can be inserted into the scaffold at this stage.



4 Closure of the surgical site

- Insertion of barrier membrane over the socket.
- Primary wound closure without tissue tension.



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