

309. THE USE OF COLLAGEN SPONGE IN SOCKET PRESERVATION

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Introduction. Due to the development of oral implantology, socket preservation became a widely discussed theme in the professional literature. Different augmentation materials are used for it. The use of collagen sponges as a filler is considered a good alternative for socket preservation with a minimum impact upon bone formation.

Aim of the study. The aim of this study is to analyze the effect of Collagen sponge upon postextractional socket healing.

Materials and methods. A clinical study has been performed on three patients with periapical chronic inflammatory processes. All these patients were supposed to tooth extraction and collagen sponge has been applied after antiseptic preparation of the socket. In order to maintain the sponge in the socket, X sutures has been applied. The healing process was evaluated during 3 months. Clinical and radiographical examinations were performed to appreciate the healing process.

Results. The usage of collagen sponge for socket preservation appeared to be a good support for the stabilization of the formed blood clot. No complications occurred during healing. Clinical and radiographic evaluation during healing process revealed a good integration of the sponge.

Conclusions. The usage of Collagen sponges can be considered a good alternative for socket preservation. However, in case of bone walls defects, further studies are necessary in order to assess the volume maintaining with this method.

Key words: collagen Sponge, socket preservation, tooth extraction