

The use of a silicone membrane after tooth extraction in hematological patients

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Abstract

Aim: The aim of the work is to optimize the healing time of holes after tooth extraction in patients with various blood diseases by using a silicone membrane as a wound dressing.

Materials and methods: We performed an operation to remove 378 teeth in 102 patients with various blood diseases. Depending on the method of surgical hemostasis, patients were divided into 4 groups. Group 1 included 33 patients whose wells were isolated with a silicone membrane after tooth extraction. In group 2, 78 wells were tamponized with a hemostatic sponge. In group 3, the edges of the holes were brought together with a pouch seam. In group 4, the holes healed under a blood clot.

Results: Secondary lunular bleeding in patients with silicone membrana occurred 2 times less frequently than in patients of groups 2, 3 and 4. Granulations were formed under the silicone membrane on the third day. Granulation started on day 5 in the wells that were tamponized with a hemostatic sponge. In the wells of patients of groups 3 and 4, granulations began to form on day 4. Final epithelization in group 2 occurred by 28 days, which was statistically significantly longer than in group 1 patients who had epithelization on day 15 ($p \leq 0.01$). In group 3, the wells were epithelized by 19 days, in group 4-by 18 days.

Conclusion: Healing of wells after tooth extraction in hematological patients occurs earlier ($p \leq 0.01$) in the group of patients who used a silicone membrane for local hemostasis.

Biography

Shinkevich Dmitry has completed his PhD at the age of 55 years from Federal State Budgetary Educational Institution of Higher Education "A.I. Yevdokimov Moscow State University of Medicine and Dentistry" of the Ministry of Healthcare of the Russian Federation, Russia. Currently, he is working as professor of department of maxillofacial traumatology in "A.I. Yevdokimov Moscow State University of Medicine and Dentistry", Russia. He has over 26 publications that have been cited over 26 times and his publication H-index is 3.

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