

БИОМЕДИЦИНА ВА АМАЛИЁТ СОҲАСИДАГИ ИЛМий ИЗЛАНИШЛАР

A METHOD OF ROOT MEMBRANES IN IMPLANTOLOGY

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Abstract: *Dental membrane-a special film that is used in dental practice as a barrier and fixing material in procedures for dental implants. The use of the membrane can successfully fight bone atrophy, preventing its loss, which in turn creates favorable conditions for dental implants.*

Key Words: *dental implantation, root membrane Method*

Relevance of the topic: Dental implantation is an established method of replacement of defects of dentition. One of the limiting factors for the wide spread of implantation is the insufficient volume of bone tissue for implant placement. Atrophy of bone tissue after tooth extraction is one of the most important issues of modern dentistry, as a significant atrophy of the jaw bone tissue makes it impossible to perform intraosseous implantation, as well as creates serious difficulties in orthopedic treatment of patients using removable and non-removable prostheses.

The purpose of our study was: Experimentally and clinically justify the advantages and disadvantages of the root membrane method.

Materials and methods of research:

1.Clinical examination of patients;2.Radiological examination;3.Ultrasonic research;4.Statistical methods of processing the results of the study.

Results and discussion: Dental membrane-a special film that is used in dental practice as a barrier and fixing material in dental implant procedures. The use of barrier membranes can effectively eliminate bone atrophy, preserving tissue and preventing premature loss. Thanks to this, the conditions optimal for the installation of dental implants are provided. By itself, the damaged bone tissue is restored for a long time. There are 2 main types of barrier membranes:1. Non-resorbable— non-resorbable dense membrane, which is removed at some stage by surgery.2. Resorbable-absorbable barrier membranes after a certain time and do not require additional manipulation and repeated operations.

Root membrane technique is a surgical procedure performed before implant placement to induce successful osseointegration as increasing the soft tissue aesthetics by minimizing the loss of the buccal bone after extraction. It separates the root at the time of extraction and leaving the root partially in the buccal side. The surgical procedure is currently performed using various technique and instruments, however, since it is difficult to perform, it is considered an area that only skilled dentists can do. The strong point of root membrane technique is immediate implant placement. Strong initial stability guarantees a high success rate.

Conclusion:

As the study shows, the reason is that when the buccal root fragment is intentionally left the blood supply will be maintained smoothly and consequently the dimensions of alveolar ridge can be preserved. On the basis of this evidence, we can conclude that root membrane technique is a safe treatment yields a high implant success rate.