

Toxicological characteristics and influence on osteogenesis in directed bone tissue regeneration of resorbed membranes based on a composition of polyvinyl alcohols with the addition of C₆₀ fullerenes



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Abstract

C₆₀ fullerenes are known to optimize wound processes. At the same time, most modern resorbed membranes, both heterogeneous and synthetic, have a certain inhibitory effect on osteogenesis. This is due to both their composition and the properties of their decay products. Therefore, the Toxicological characteristics of resorbed membranes based on the PVA composition with the addition of C60 fullerenes were studied. The absence of a negative effect on biological tissues was confirmed by the constructive influence of these membranes on osteogenesis during directed bone tissue regeneration.

Biography

Kabankov A V has completed his PhD at the age of 25 years from the 1st Leningrad Medical Institute name N. I. Pavlov in 1976, residency in combined trauma. Currently the competitor of a scientific degree of candidate of medical Sciences at the Military Medical Academy, S. M. Kirov, Saint-Petersburg. He has over 40 publications.

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