

OS 4 - Qualification of Different Chitosan Preparations for Medical Applications

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Various Chitosan preparations differ in their origin, grade of deacetylation, molecular weight and especially their biological impact. This may be a reason for contradictory results concerning wound healing, minimal inhibitory concentration (MIC) and other phenomena.

For this reason we performed studies in order to characterise different Chitosan preparations concerning skin compatibility, wound healing potential, estimation of MIC against different bacterial strains and hemostasis (blood clotting). The results will be presented in this lecture.