

특강 (Special Lecture)

Application of Collagen in Tissue Management

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In the field of reconstructive surgery, building environment for promoting essential regeneration ability in an organism itself is considered most importantly. To achieve this goal, surgeons should use improved biomaterials as well as improved surgical methods. Because of this reason, various biomaterials have been used until now. The principle of biomaterial application is that they should be utilized with maximum efficacy in which infection or contamination is not expected. Besides, they should be used with right indication in accordance with their characteristics.

In order to conduct right and proper tissue management, the understanding of cells involved in wound healing, basic knowledge of blood supply, biomaterial application and the establishment of regeneration environment are necessary. For the establishment of regeneration environment, the understanding of three elements-relevant cells, scaffolds, factors inducing proliferation and differentiation-should be preceded. And then, once the biomaterials' composition, characteristics and absorbable patterns are completely understood, it makes possible to be practicable of biomaterials, fitting on purpose.

In this lecture, types of related cells and scaffolds will be noted, and the clinical efficacy of the tissue management in the field of the guided gingival regeneration(GGR) and the socket preservation using a collagen-type biomaterial(TERUPLUG, TERUDERMIS) as scaffold will be studied and discussed.

주요 학력 및 경력 :

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