

عنوان مقاله:

Growth factor Containing Hydrogels for Tissue Engineering Applications

محل انتشار:

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خلاصه مقاله:

Regenerative medicine provides substitutes for organ transplantation, which is restricted in applicability due to immune responses against allograft and the large discrepancy between the need for organs and the number of available transplantation. An artificial environment is allowing cells to induce tissue regeneration. Growth factors (GFs) play a significant role in the cell fates in their microenvironment. Nevertheless, the short half-lives of GFs and poor in vivo stability infiltration suggest that the classical routes are useless and insist on use of a drug delivery system (DDS). In this review paper, growth factor-based tissue regeneration using polymeric hydrogels is reviewed to show great (potential ability of hydrogels in tissue engineering (TE

کلمات کلیدی:

Hydrogel, Growth Factor, Tissue Engineering, Controlled Release

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