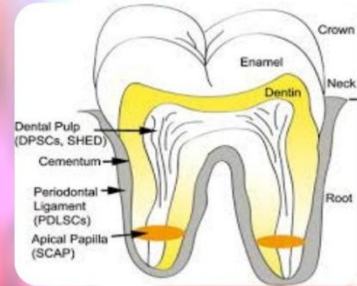
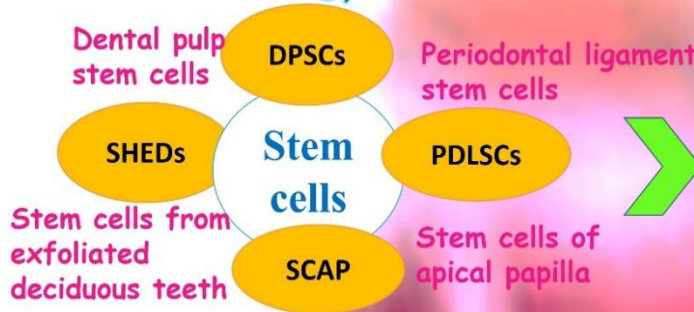
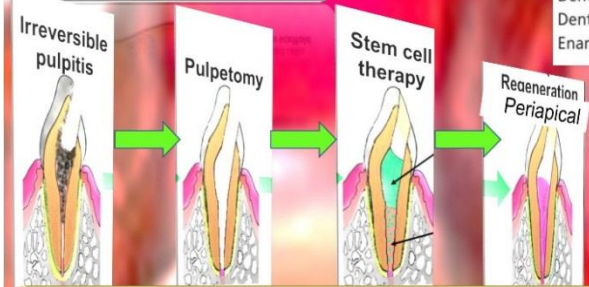


Active prohealing of periapical lesions with the use of stem cells

Types of stem cells derived from tooth



Mechanism of periapical healing through stem cells



Conclusion: This poster illustrates the encouraging results shown by regenerative treatment protocol in healing of periapical lesions through the use of multipotent stem cells. The potential benefits of this technique to patients and dentists are equally ground breaking.

ACTIVE PROHEALING OF PERIAPICAL LESIONS WITH THE USE OF STEM CELLS

Sagorika Bose,¹ Ramakrishna Yeluri²

Abstract

Periapical pathologies form the most commonly encountered issues in clinical dentistry; most of which are treated with conventional Root Canal Therapy by clinicians. Recently, there has been an emerging trend of endodontic treatment involving regenerating potential of totipotent stem cells which aim at healing of periapical lesion with a successful biological method rather than a mechanical one.

The technique offers a viable utilisation of cryopreserved stem cells through stem cell banking. These cells when injected locally into periapical area; send appropriate signals to provide nutritional base for tissue growth and regeneration and also form a scaffold to create a three dimensional template structure and cellular matrix.

The objective of this poster is to illustrate the benefits of regenerative treatment protocol in the management of periapical lesions with the use of stem cells which will reduce treatment time, technique sensitivity and the effective cost of the treatment.

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