

Stem cells are the hope of modern stomatology

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ABSTRACT

Introduction: Stem cells are often hailed as the medicine of the 21st century. They provide us with potential tools to effectively counteract not only diseases, but even aging. For stomatology, stem cells are the technology of the future in the regeneration of the periodontium and pulp, and dental replantation and transplantation.

Materials and methods: On the basis of a literature review, the previous achievements and potential capabilities of stem cell therapy were discussed, focusing on dental applications.

Conclusions: The paper discusses the modulation of stem cells and their therapeutic potential and

capabilities. The presence and properties of stem cells in the pulp of human deciduous and permanent teeth, the periodontal membrane and the dental sac are also discussed. The results of the studies conducted by the cited researchers are promising and give hope for the development of regenerative and restorative processes of the dental and periodontal tissues.

Summary: In the future, stem cells obtained from primary and permanent teeth deposited in special dental banks will be able to prevent the degradation of periodontal tissue, or even heal the teeth.

Keywords: Stem cells, stomatology

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