



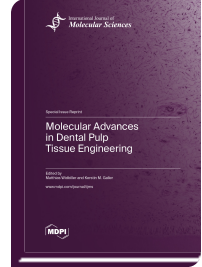
Special Issue Reprint

Molecular Advances in Dental Pulp Tissue Engineering

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The dental pulp, surrounded by the barriers of enamel, dentin and cementum, has several functions. It senses thermal and mechanical stimuli, defends against invading microorganisms and supports root development in young patients. Loss of dental pulp due to caries or trauma requires root canal treatment with synthetic materials. Recent advances in regenerative medicine and tissue engineering aim to restore the dentin–pulp complex using stem cells, growth factors and tailored scaffolds to achieve biological regeneration within the root canal. This Special Issue highlights scientific advances in pulp regeneration, bridging the gap between research and clinical application.



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