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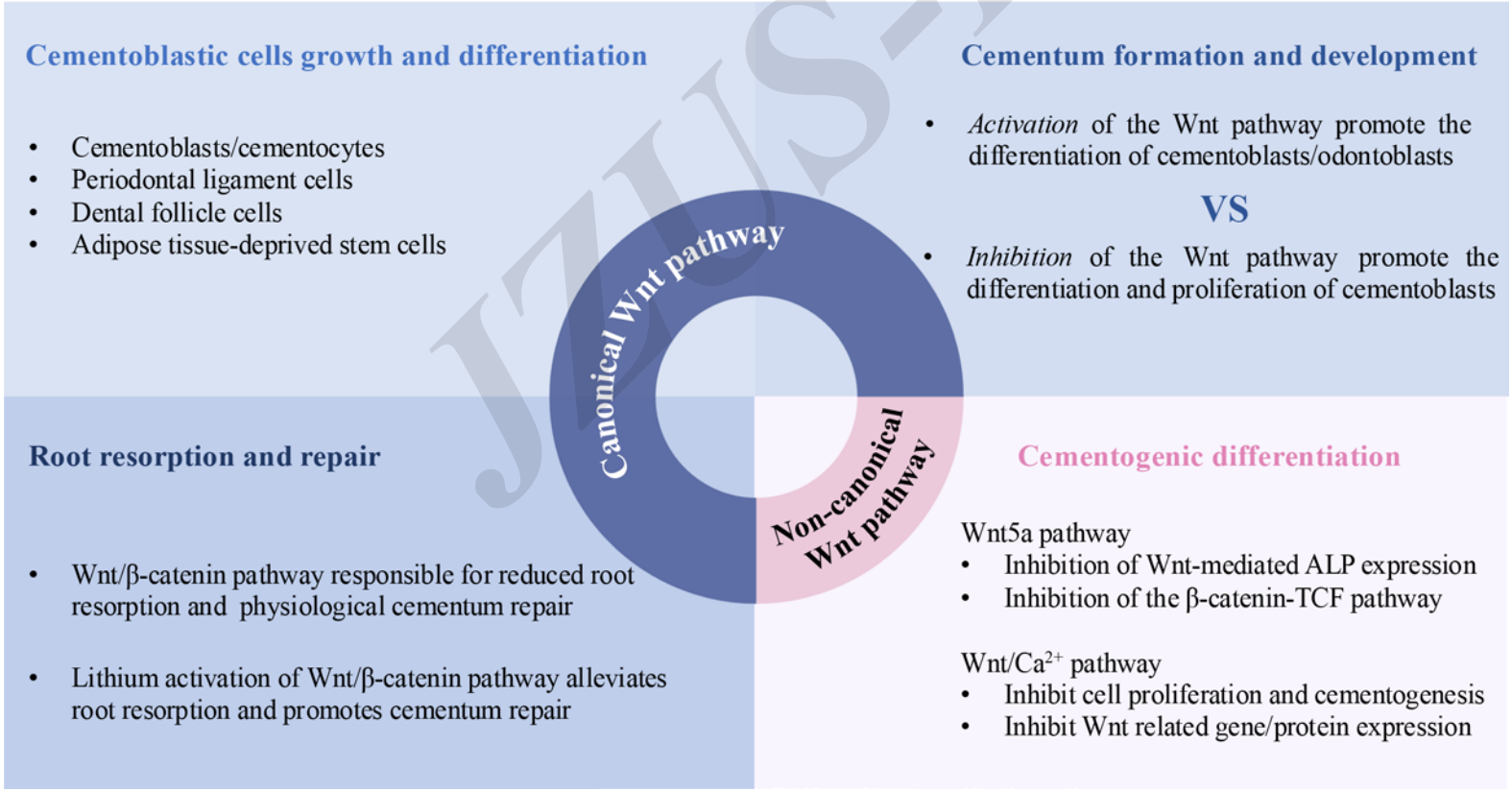
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Roles of Wnt signaling pathway in cementum formation, cementum regeneration, and cementocyte function

Key words: Dental cementum; Odontogenesis; Wingless and int (Wnt) signaling pathway; Cell differentiation; Biomineralization

Research Summary

This review provides a comprehensive overview of the structure and physiological functions of cementum, focusing on the role of the Wnt signaling pathway in regulating cementoblast growth, differentiation, and repair of root:



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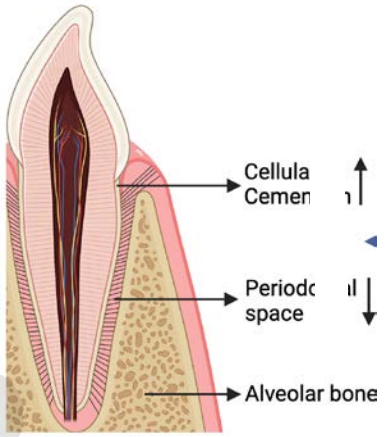
Innovation points

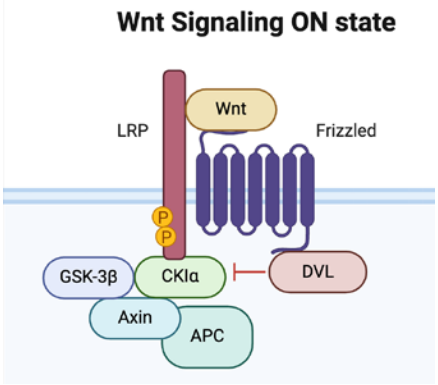
- **Reviews** of the structure and general physiological functions of cementum

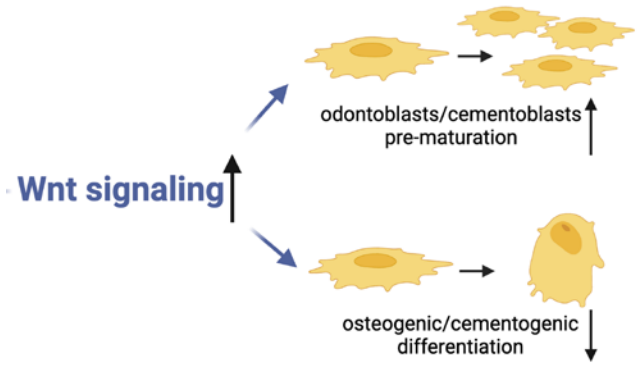
- **Mechanisms** of Wnt pathway affecting growth and differentiation of cementoblasts

- **Role** of Wnt in cementum formation and development, root resorption and repair

- **Proposal** of periodontal regeneration therapy and future directions based on Wnt pathway







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