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Circular RNAs: typical biomarkers for bone-related diseases

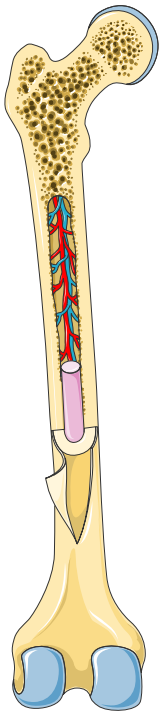
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Keywords: Circular RNAs, Bone-related diseases, CeRNA, MicroRNAs

Research Summary

This review mainly focus on the properties and functions of circRNAs, and highlight the regulatory mechanism of circRNAs in bone-related diseases, including：

- **osteoporosis**
- **osteosarcoma**
- **multiple myeloma**
- **intervertebral disc degeneration**
- **rheumatoid arthritis**



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Innovation points

- **Introduction** of the chararcterstics and functions of circRNAs

- **Highlight** the regulatory mechanism of circRNA-microRNA-mRNA network in bone-related diseases

- **Find** evidence for the potential clinical value of circRNAs as biomarkers

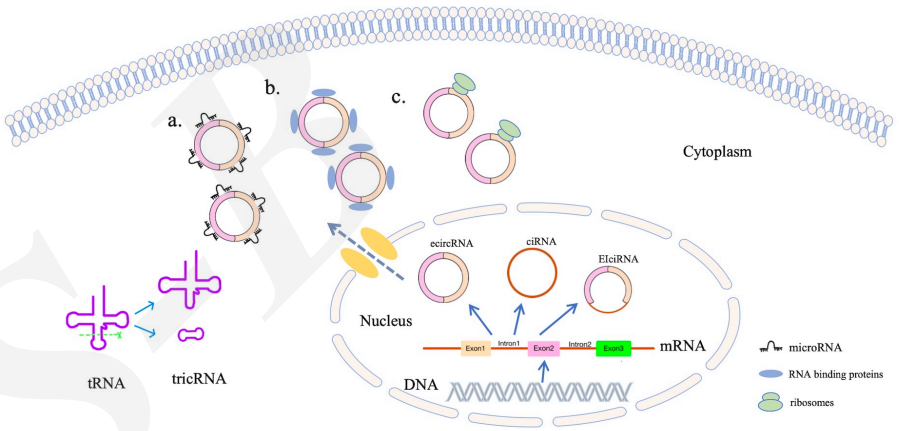
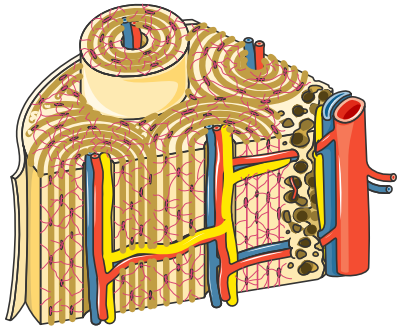


Figure 2



Innovation points

A series of comprehensive tables were generated to summarize the signaling pathways about circRNAs are involved in bone-related diseases

Table 1 | CircRNAs involved in osteoarthritis.

Table 2 | CircRNAs involved in osteoporosis.

Table 3 | CircRNAs involved in osteosarcoma.

Table 4 | CircRNAs involved in multiple myeloma.

Table 5 | CircRNAs involved in intervertebral disc degeneration.

Table 6 | CircRNAs involved in rheumatoid arthritis.

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