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• 综述 •

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Wnt/ $\beta$ -连环蛋白信号途径与骨改建

付斌综述 唐国华审校 ▼

Wnt/ $\beta$ -catenin signaling pathway and bone remodeling

FU Bin1, TANG Guo -hua2. ▼



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## 摘要/Abstract

### 摘要 :

Wnt 信号途径是体内重要的信号调节系统之一,对成骨细胞、破骨细胞和软骨细胞的分化、增殖和程序性死亡起着关键的作用。下面就经典的Wnt/ $\beta$ -连环蛋白信号途径在调控骨改建方面的作用,特别是抑制成骨细胞程序性死亡和抑制破骨细胞生成的研究进展作一综述。

**关键词:** Wnt 信号途径, 成骨细胞, 程序性细胞死亡, 破骨细胞, 骨改建

### Abstract:

Wnt signaling pathway is one of the most important regulatory systems that plays a key role in modulating the differentiation, proliferation and programmed cell death of osteoblast, osteoclast and chondrocyte. The research progress of the role of canonical Wnt/ $\beta$ -catenin pathway in regulating bone remodeling is summarized in this review, its function on osteoclastogenesis and programmed cell death of osteoblast is discussed in details.

**Key words:** Wnt signaling pathway, osteoblast, programmed cell death, osteoclast, bone remodeling

## 参考文献

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地址：四川成都人民南路三段14号

邮编：610041

电话：028-85502414

E-mail：gwyxkqyxfc@vip.163.com