

عنوان مقاله:

An Introduction to Bone Remodeling with a Biomedical Approach

محل انتشار:

هفتمین کنفرانس ملی مهندسی مکانیک و هوافضا (سال: 1401)

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خلاصه مقاله:

Bone remodeling is subject to numerous research. The process of bone remodeling is the most straightforward process of tissue remodeling in the body, which helps to understand other cellular and metabolic cycles of the body. Bone remodeling theories explain the relationship between loads or stresses and strains on bone and its structure as fundamental principles and mathematical relationships. However, most research is based on histological examinations of dead bones. As a result, various associated phenomena still need to be discovered due to the lack of comprehensive experiments and research in the natural environment of living tissue. In this regard, this review-based paper examines research into bone remodeling.

کلمات کلیدی:

.Keywords: Bone, Remodeling process, Osteoblast, Osteoclast, Biomedical Approach

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