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MECHANOTRANSDUCTION AND ITS ROLE IN BONE ADAPTATION;
CHAPTER 17 BIO-PATHOLOGY OF BONE TUMORS; CHAPTER 18 BONE
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DETERMINED USING MOUSE MODELS
CHAPTER 20 RECENT ADVANCES IN BONE BIOLOGY RESEARCHAPPENDIX
AN INTRODUCTION TO HOLOGIC TECHNOLOGY; INDEX

Sommario/riassunto

This book covers a wide spectrum of areas related to basic bone research. While bone remodeling, bone development, and osteoclast biology constitute the main contents, topics important to the understanding of bone metabolism and treatment of bone-related diseases are also intensively reviewed. Three chapters are dedicated to the classic topic of bone mechanics, which include a brief overview of the mechanostat hypothesis, a more detailed review on mechanotransduction and bone adaptation, and a chapter illustrating the basic principles of bone mechanical testing. New emerging fields such as ske