

The Bioarchaeology of Metabolic Bone Disease

Second Edition

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An essential guide for those engaged in osteological report-writing or academic research on disease in archaeological human remains.

Key Features

- Covers deficiencies of vitamin C and D, osteoporosis (age-related and secondary), Paget's disease of bone, anaemia and approaches to disease co-occurrence
- Contains clear and user-friendly guidance for macroscopic, radiological and microscopic diagnoses
- Highlights current inquiries and debates in biological anthropology, bioarchaeology, palaeopathology, medical history and clinical/biomedical research
- Extensive figures, most new or updated, provide invaluable information on biological processes and lesion expression through diagrams and photographs

The Bioarchaeology of Metabolic Bone Disease, Second Edition is a comprehensive source dedicated to better understanding this group of conditions that have significant consequences for health in both past and present communities on a global scale.

This edition presents an updated introduction to the biology and metabolism of mineralised tissues that are fundamental to understanding the expression of the metabolic bone diseases in skeletal remains. The extensive advances in understanding of these conditions in both bioarchaeological and biomedical work are brought together for the reader. Dedicated chapters focussing on each disease emphasise the integration of up-to-date clinical background with the biological basis of disease progression to give guidance on identification. New chapters covering anaemia and approaches to recognising the co-occurrence of pathological conditions have been included, reflecting recent advances in research. Boxes highlighting significant issues, use of information from sources such as texts and nonhuman primates, and theoretical approaches are included in the text. Each chapter closes with 'Core Concepts' that summarise key information. The final chapter reviews current challenges in bioarchaeology and provides directions for future research.

This is a must-have resource for users at all career stages interested in integrating information on the metabolic bone diseases into bioarchaeological projects.



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Preface	xi
Acknowledgements	xiii
1. Introduction to the study of metabolic bone diseases	1
2. The study of metabolic bone disease in bioarchaeology	5
Approaches to the study of metabolic bone disease	5
Diagnosis of metabolic bone disease in palaeopathology	7
Core concepts	22
3. Biology and metabolism of mineralised tissues	23
Bone structure	23
Bone formation and bone growth	30
Dental tissues	38
Osteoimmunology	38
Core concepts	40
4. Vitamin C deficiency, scurvy	43
Scurvy today, epidemiology and current views on aetiology	43
The biology of skeletal changes	46
Diagnosis of scurvy in skeletal remains	52
Palaeopathology of scurvy	68
Anthropological perspectives	72
Core concepts	74

5. Vitamin D deficiency	75
Vitamin D deficiency today, epidemiology, and current views on aetiology	75
The biology of changes in mineralised tissues	91
Diagnosis of vitamin D deficiency in skeletal remains	95
Palaeopathology of rickets, residual rickets, and osteomalacia	121
Core concepts	127
6. Age-related bone loss and osteoporosis	129
Osteoporosis today, epidemiology, and current views on aetiology	130
The biology of skeletal changes and complications	136
Diagnosis of age-related osteoporosis in skeletal remains	144
Palaeopathology of osteoporosis	157
Anthropological perspectives	160
Core concepts	163
7. Secondary osteoporosis	165
Secondary osteoporosis today, epidemiology, and current views on aetiology	165
The biology of skeletal changes and complications	167
Diagnosis of secondary osteoporosis in skeletal remains	170
Palaeopathology of secondary osteoporosis	171
Core concepts	178
8. Paget's disease of bone	179
Paget's disease of bone today, epidemiology, and current views on aetiology	179
The biology of skeletal changes	181
Diagnosis of Paget's disease of bone in skeletal remains	185
Palaeopathological cases of Paget's disease of bone	193
Anthropological perspectives	197
Core concepts	199

9. Anaemia	201
Anaemia today, epidemiology, and current views on aetiology	201
The biology of skeletal changes and complications	208
Diagnosis of anaemia in skeletal remains	211
Palaeopathology of anaemia	222
Core concepts	224
10. Disease co-occurrence	227
The biology of skeletal changes and complications in co-occurring conditions	229
Palaeopathology of co-occurrence	239
Core concepts	247
11. Overview and directions for future research	249
Palaeopathological diagnosis	249
Integration of palaeopathology with historical sources	252
Integration of palaeopathology with theoretical approaches	253
Increasing the relevance of metabolic bone diseases to public health and modern medicine	254
Final thoughts	254
References	257
Index	305