

PATTERNS OF INJURY
AND ILLNESS IN
GREAT APES

*A Skeletal
Analysis*



Nancy C. Lovell

Patterns Of Injury And Illness In Great Apes

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Patterns Of Injury And Illness In Great Apes:

Patterns of Injury and Illness in Great Apes Nancy C. Lovell, 1990 *Life and Death in the Gombe Chimpanzees* Claire A. Kirchhoff, 2019-06-29 This book addresses how skeletons can inform us about behavior by describing skeletal lesions in the Gombe chimpanzees relating them to known life histories whenever possible and analyzing demographic patterns in the sample This is of particular interest to both primatologists and skeletal analysts who have benefited from published data on a smaller earlier skeletal sample from Gombe The Gombe skeletal collection is the largest collection of wild chimpanzees with known life histories in existence and this work significantly expands the skeletal sample from this long term research site 49 chimpanzees The book explores topics of general interest to skeletal analysts such as demographic patterns which injuries leave signs on the skeleton and rates of healing and discusses both qualitative and quantitative analysis of the patterning of lesions The book presents the data in a narrative style similar to that employed in Dr Goodall's seminal work *The Chimpanzees of Gombe* Readers already familiar with the Gombe chimpanzees are likely to appreciate summaries of life events correlated to observable skeletal features The book is especially relevant at this time to remind primate conservationists of the importance of the isolated chimpanzee population at Gombe National Park as well as the availability of the skeletons for study both within the park itself as well as at the University of Minnesota **Sexual Coercion in**

Primates and Humans Martin N. Muller, Richard W. Wrangham, 2009-10-19 This book presents extensive field research and analysis to evaluate sexual coercion in a range of species including all of the great apes and humans and to clarify its role in shaping social relationships among males among females and between the sexes *Aging in Nonhuman Primates* Joseph Erwin, Patrick R. Hof, 2002 As the number of elderly people in human populations increases the study of normal aging age related disorders and enhanced longevity is taking on new urgency Fundamental research will provide means of preventing and effectively treating the most debilitating and distressing aspects of advanced age Considerations of aging in nonhuman life forms do not aim at life extension but at an increasing appreciation for the biological role of the aging process in populations in addition to developing a more comprehensive understanding of the mechanisms of aging The present volume focuses on primate aging because human characteristics that evolved during their evolution are homologous with those of other primates Therefore the research on nonhuman primates will decidedly also contribute to our understanding of the process of human aging The topics of this volume include brain aging and neurodegenerative diseases social behavior cognition and aging skeletal aging in natural and captive conditions and consequences of caloric restriction for life and health extension The great variety of contributions aim at providing a survey of the relevant work in progress and increasing the understanding of normal and pathological aging and life span enhancement in a variety of nonhuman primate species

PATTERNS OF INJURY/ILLNESS Nancy C. Lovell, 1990-10-17 Conservation in the 21st Century: Gorillas as a Case Study T.S. Stoinski, H. D. Steklis, P.T. Mehlman, 2009-07-09 Like other fields of science wildlife conservation is a changing

field Threats facing wild populations of apes and other species say 20 years ago are likely not the same ones most pressing today and even where threats have remained unchanged more effective means of addressing them may be available now Conservation scientists have learned from many years of experience and both theoretical and technological advances today provide conservation tools not available in the past This volume identifies the primary problems faced in conserving wild populations of gorillas throughout Africa pinpointing new approaches to solving these problems and outlining the increased role that zoos can play in gorilla conservation It includes expertise of field scientists in a variety of disciplines to discuss current conservation threats novel approaches to conservation and potential solutions

The Global History of Paleopathology Jane E. Buikstra, Charlotte Roberts, 2012-06-07 The first comprehensive global history of the discipline of paleopathology

Sex and Gender in Paleopathological Perspective Anne L. Grauer, Patricia Stuart-Macadam, 1998-12-10 This book explores ramifications of sex and gender on ancient and modern human diseases

Gorilla Pathology and Health John E Cooper, Gordon Hull, 2016-12-21 Gorilla Pathology and Health With a Catalogue of Preserved Materials consists of two cross referenced parts The first the book itself is a review of pathological changes and tissue responses in gorillas Gorilla gorilla and G beringei with an emphasis on free living animals but also with reference to those in captivity The comparative aspects are discussed stressing the relevance of research to both gorillas and humans What makes the publication truly unique however is the second part a comprehensive descriptive catalogue of the location and nature of gorilla material in museums and scientific institutions throughout the world This is of great consequence because free living gorillas are strictly conserved with restricted access so the location of a wealth of preserved tissues and other material that has been collected over the decades is a great benefit for research and study This book can and should be used to gain cardinal knowledge regarding the biology and pathology of this genus The combination of book and catalogue in this extensive compilation makes it an invaluable tool for all those concerned with the health welfare and conservation of gorillas one of our nearest living relatives Brings together studies data and clinical practice from difficult to access or obscure journals and NGO reports in different languages for all interested parties and practitioners Provides perspectives on existing research in gorilla pathology both for those studying conservation practices and those seeking an understanding of comparable diseases in humans Includes illustrative figures on gross and microscopic pathological changes museum specimens photos of field necropsy and techniques and examples of laboratory tests Features an extensive list of references and further reading in different languages Incorporates a comprehensive descriptive catalogue of gorilla material from around the world

Modern Paleopathology, The Study of Diagnostic Approach to Ancient Diseases, their Pathology and Epidemiology Bruce M. Rothschild, Dawid Surmik, Filippo Bertozzo, 2023-09-27 The study of paleopathology has two very different constituencies the medical scientist and the zoologist paleontologist anthropologist Their investigative procedures and professional jargon are different sometimes to the point of mutual incomprehensibility Paleontologists anthropologists

zoologists have a limited data base for the characterization and interpretation of pathology This must come from the human and veterinary medical experience What beyond intellectual satisfaction can the health care community expect from this relationship The past history of the appearance and dispersal of infectious disease and cancer is of considerable theoretical importance and leads to new insights on the nature and transmission of diseases that are otherwise ambiguous The discovery of rheumatoid arthritis in pre Columbian North America exemplifies insights gained The current effort delineates osseous impact of disease as manifest in clinical populations diagnosed in life representation in the zoologic paleontologic and anthropologic record and assessment techniques that can be confidently applied The chapters form columns that provide the foundation for scientific critical thinking The actual integration of the information is in its application Our purpose is to provide a data base and atlas of actually documented skeletal impact of diseases as population phenomenon an initial data base of reported skeletal pathology and a methodology for expanding this to new arenas The first section of the book examines the scientific basis of paleopathology its transition from speculation based musings resolution of misconceptions and the denouement of paleo epidemiology The second section provides holistic analysis of the gamut of pathology diseases with significant skeletal impact with a validated archeologic zoological paleontological record The third section provides a glossary to resolve the semantic challenges inherent to interdisciplinary efforts The fourth section provides an atlas of pathology representation in the fossil record Ultimately this book intends to present a scientifically validated approach to recognition of disease in the archeological zoological and paleontological record superseding previous speculation based offerings

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