

Tooth Development in Human Evolution and Bioarchaeology

Humans grow at a uniquely slow pace compared with other mammals. When and where did this schedule evolve? Have technological advances, farming and cities had any effect upon it?

Addressing these and other key questions in palaeoanthropology and bioarchaeology, Simon Hillson examines the unique role of teeth in preserving detailed microscopic records of development throughout childhood and into adulthood. The text critically reviews theory, assumptions, methods and literature, providing the dental histology background to anthropological studies of both growth rate and growth disruption. Chapters also examine existing studies of growth rate in the context of human evolution and primate development more generally, together with implications for life history. The final chapters consider how defects in the tooth development sequence shed light on the consequences of biological and social transitions, contributing to our understanding of the evolution of modern human development and cognition.

Simon Hillson is Professor of Bioarchaeology at the Institute of Archaeology, University College London. He has over thirty-five years of experience in teaching and research in dental anthropology, with research focussing on the development and diseases of teeth and the ways in which these can shed light on the way of life of people in the past. His previous books include *Teeth* (Cambridge University Press, second edition, 2005) and *Dental Anthropology* (Cambridge University Press, 1996).

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