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Nota di contenuto	Bite marks in tule quids : the life and times of a dental anthropologist / Christy G. Turner II -- Twin and family studies of human dental crown morphology : genetic, epigenetic, and environmental determinants of the modern human dentition / Toby E. Hughes and Grant C. Townsend -- Teeth, morphogenesis, and levels of variation in the human Carabelli trait / Debbie Guatelli-Steinberg [and others] -- The expression of human sex chromosome genes in oral and craniofacial growth / Lassi Alvesalo -- Significant among-population associations found between dental characters and environmental factors / Yuji Mizoguchi -- Using geometric morphometrics to study the mechanisms that pattern primate dental variation / Oliver T. Rizk and others] -- Evolution of

hominin postcanine macromorphology : a comparative meta-analysis / Kes Schroer and Bernard Wood -- Dental morphology of European Middle Pleistocene populations / Maria Martinon-Torres [and others] -- What does it mean to be dentally "modern"? / Shara E. Bailey and Jean-Jacques Hublin -- From outer to inner structural morphology in dental anthropology : integration of the third dimension in the visualization and quantitative analysis of fossil remains. / Roberto Macchiarelli [and others] -- Afridonty : the "Sub-Saharan African Dental Complex" revisited / Joel D. Irish -- Basque dental morphology and the "Eurodont" dental pattern / G. Richard Scott [and others] -- A first look at the dental morphometrics of early Palauans / Greg C. Nelson and Scott M. Fitzpatrick -- Grades, gradients, and geography : a dental morphometric approach to the population history of South Asia / Brian E. Hemphill -- Do all Asians look alike? : a dental nonmetric analysis of population diversity at the dawn of the Chinese empire (770 BC-AD 420) / Christine Lee and Linhu Zhang -- Sinodonty and beyond : hemispheric, regional, and intracemetery approaches to studying dental morphological variation in the New World / Christopher M. Stojanowski, Kent M. Johnson, and William N. Duncan -- Crown morphology of Malay deciduous teeth : trait frequencies and biological affinities / John R. Lukacs and Sri Kuswandari -- Geographic structure of dental variation in the major human populations of the world / Tsunehiko Hanihara -- New approaches to the use of dental morphology in forensic contexts / Heather J.H. Edgar and Stephen D. Ousley -- Wear's the problem? : examining the effect of dental wear on studies of crown morphology / Scott E. Burnett, Joel D. Irish, and Michael R. Fong.

Sommario/riassunto

Researchers have long had an interest in dental morphology as a genetic proxy to reconstruct population history. Much interest was fostered by the use of standard plaques and associated descriptions that comprise the Arizona State University Dental Anthropology System, developed by Christy G. Turner, II and students. This system has served as the foundation for hundreds of anthropological studies for over 30 years. In recognition of that success, this volume brings together some of the world's leading dental morphologists to expand upon the concepts and methods presented in the popular *The Anthropology of Modern Human Teeth* (Cambridge, 1997), leading the reader from method to applied research. After a preparatory section on the current knowledge of heritability and gene expression, a series of case studies demonstrate the utility of dental morphological study in both fossil and more recent populations (and individuals), from local to global scales.
