

Teeth are one of the best sources of evidence for both identification and studies of demography, biological relationships and health in ancient human communities. This text introduces the complex biology of teeth and provides a practical guide to the:

- excavation, cleaning, storage and recording of dental remains
- identification of human teeth including those in a worn or fragmentary state
- methods for studying variation in tooth morphology
- study of microscopic internal and surface structure of dental tissues
- estimation of age-at-death from dental development, wear and micro-structure
- recording and interpretation of dental disease in archaeological and museum collections.

*Dental Anthropology* is the text for students and researchers in anthropology and archaeology, together with others interested in dental remains from archaeological sites, museum collections or forensic cases.

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DENTAL ANTHROPOLOGY

# DENTAL ANTHROPOLOGY

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*To Kate, William, James and Harriet*

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Simon Hillson  
*February 1996*

## Abbreviations

ATP	Anderson, Thompson and Popovitch dental development data
B	buccal
BSE	SEM with back-scattered electron detector
CEJ	cement–enamel junction
D	distal
EDJ	enamel–dentine junction
ET	SEM with Everhart–Thornley detector
GCF	gingival crevice fluid
kDa	kilodalton (molecular weight)
La	labial
Li	lingual
M	mesial
MFH	Moorees, Fanning and Hunt dental development data
µm	micrometres (thousandths of a millimetre)
nm	nanometres (millionths of a millimetre)
O	occlusal
pkg	perikyma grooves
SEM	scanning electron microscope