

PROSTHETICS AND ASSISTIVE TECHNOLOGY IN ANCIENT GREECE AND ROME

This is the first comprehensive study of prosthetics and assistive technology in classical antiquity, integrating literary, documentary, archaeological, and bioarchaeological evidence to provide as full a picture as possible of their importance for the lived experience of people with disabilities at that time. The volume is not only a work of disability history but also one of medical, scientific, and technological history, and so will be of interest to members of multiple academic disciplines across multiple historical periods. The chapters cover extremity prostheses; facial prostheses; prosthetic hair; the design, commission, and manufacture of prostheses and assistive technology; and the role of caregivers in the lives of ancient people with impairments and disabilities. Lavishly illustrated, the study further contains informative tables that collate the aforementioned different types of evidence in an easily accessible way.

JANE DRAYCOTT is Lecturer in Ancient History at the University of Glasgow. Her research investigates science, technology, and medicine in the ancient world. She has published extensively on the history and archaeology of medicine, impairment, and disability in the ancient world, including the monographs *Roman Domestic Medical Practice in Central Italy from the Middle Republic to the Early Empire* (2019) and *Approaches to Healing in Roman Egypt* (2012), and the edited volumes *Prostheses in Antiquity* (2019) and *Bodies of Evidence: Ancient Anatomical Votives Past, Present and Future* (2017).

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IN ANCIENT GREECE
AND ROME

JANE DRAYCOTT

University of Glasgow



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For Isabel Ruffell, with thanks.

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Abbreviations

<i>ANRW</i>	<i>Aufstieg und Niedergang der römischen Welt</i> (1972–)
<i>CIL</i>	<i>Corpus Inscriptionum Latinarum</i> (1863–)
<i>Crawford</i>	<i>Roman Republican Coinage</i> (1974)
<i>IG</i>	<i>Inscriptiones Graecae</i> (1873–)
<i>ILS</i>	<i>Inscriptiones Latinae Selectae</i> (1892–1916)
<i>LIMC</i>	<i>Lexicon Iconographicum Mythologiae Classicae</i>
<i>P.Giss.</i>	<i>Griechische Papyri im Museum des oberhessischen Geschichtsvereins zu Giessen</i> , ed. O. Eger, E. Kornemann, and P. M. Meyer. Leipzig-Berlin 1910–12. Pt. I, nos. 1–35 (1910); Pt. II, nos. 36–57 (1910); Pt. III, nos. 58–126 (1912). [Rp. CG].
<i>P.Giss.Apoll.</i>	<i>Briefe des Apollonios-Archives aus der Sammlung Papyri Gissenses</i> , ed. M. Kortus. Giessen 1999. (Berichte und Arbeiten aus der Universitätsbibliothek und dem Universitätsarchiv Giessen 49.) Nos. 1–43.
<i>RCV</i>	<i>Roman Coins and Their Values</i> (1988)
<i>RSC</i>	<i>Roman Silver Coins</i> (1952–89)
<i>W.Chr</i>	L. Mitteis and U. Wilcken, <i>Grundzüge und Chrestomathie der Papyruskunde</i> , I Bd. <i>Historischer Teil</i> , II Hälfte <i>Chrestomathie</i> . Leipzig-Berlin 1912. Nos. 1–382. [MF 2.120–121 (with Grundzüge); Rp. GO].

Sources

Achilles Tatius, <i>Leucippe and Clitophon</i>	Ach. Tat.
Aelian, <i>Historical Miscellany</i>	Ael. VH.
Aelian, <i>On the Nature of Animals</i>	Ael. NA.

Agnellus of Ravenna, <i>Agnelli Liber Pontificalis Ecclesiae Ravennatis</i> .	
Ammianus Marcellinus, <i>Roman History</i>	Amm. Marc.
Andocides, <i>On the Mysteries</i> .	
Antiphilus of Byzantium, <i>Greek Anthology</i>	
Appian, <i>Civil War</i>	App. B Civ.
Appian, <i>Roman History: The Hannibalic War</i>	App. Hann.
Apuleius, <i>Metamorphoses</i>	Apul. Met.
Aristophanes, <i>Birds</i>	Arist. Aves.
Aristophanes, <i>Ecclesiazusae</i>	Arist. Eccl.
Aristophanes, <i>Frogs</i>	Arist. Ran.
Aristophanes, <i>Peace</i>	Arist. Pax.
Aristophanes, <i>Wasps</i>	Arist. Sph.
Aristophanes, <i>Women of the Thesmophoria</i>	Arist. Thesm.
Aristotle, <i>Categories</i>	Arist. Cat.
Aristotle, <i>Household Management</i>	Arist. [Oec.]
Aristotle, <i>Metaphysics</i>	Arist. Metaph.
Aristotle, <i>Nicomachean Ethics</i>	Arist. Eth. Nic.
Aristotle, <i>On Marvellous Things Heard</i> .	
Aristotle, <i>On the Generation of Animals</i>	Arist. Gen. an.
Aristotle, <i>On the History of Animals</i>	Arist. Hist. an.
Aristotle, <i>On the Parts of Animals</i>	Arist. Part. an.
Aristotle, <i>On the Soul</i>	Arist. De an.
Aristotle, <i>Politics</i>	Arist. Pol.
Aristotle, <i>Problems</i>	Arist. [Pr.]
Aristotle, <i>Rhetoric</i>	Arist. Rhet.
Arrian, <i>Anabasis of Alexander</i>	Arr. Anab.
Arrian, <i>Indica</i>	Arr. Ind.
Artemidorus, <i>The Interpretation of Dreams</i>	Artem. On.

List of Abbreviations

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Athenaeus, <i>Dinner Sophists</i>	Ath.
Augustine, <i>Letters</i>	August. <i>Ep.</i>
Augustus, <i>Res Gestae</i>	Aug. <i>RG.</i>
Avienus, <i>Fables</i>	
Babylonian Talmud	
Caelius Aurelianus, <i>Chronic Diseases</i>	
Caesar, <i>Civil Wars</i>	Caes. <i>BCiv.</i>
Caesar, <i>Gallic Wars</i>	Caes. <i>BGall.</i>
Caesar, <i>Spanish War</i>	Caes. <i>BHisp.</i>
Calpurnius Siculus, <i>Eclogues</i>	Calp. <i>Ecl.</i>
Cassius Dio, <i>Roman History</i>	Cass. Dio.
Cato the Elder, <i>On Agriculture</i>	Cato, <i>Agr.</i>
Celsus, <i>On Medicine</i>	Celsus, <i>Med.</i>
Charles Dickens, <i>Barnaby Rudge</i>	
Charles Dickens, <i>David Copperfield</i>	
Charles Dickens, <i>Our Mutual Friend</i>	
Charles Dickens, <i>The Old Curiosity Shop</i>	
Charles Dickens, <i>The Pickwick Papers</i>	
Cicero, <i>Against Piso</i>	Cic. <i>Pis.</i>
Cicero, <i>On Duties</i>	Cic. <i>Off.</i>
Cicero, <i>On the Laws</i>	Cic. <i>Leg.</i>
Cicero, <i>Philippics</i>	Cic. <i>Phil.</i>
Cicero, <i>Tusculan Disputations</i>	Cic. <i>Tusc.</i>
Cinesias, <i>Testimonia</i>	
Claudian, <i>On the Fourth Consulship of the Emperor Honorius</i>	Claud. <i>Cons. Hon.</i>
Clement of Alexandria, <i>The Instructor</i>	Clem. <i>Al.</i>
Cyprian, <i>Letters</i>	
Demosthenes, <i>Orations Digest</i>	Dem. <i>Dig.</i>
Dinarchus, <i>Against Demosthenes</i>	Din.
Dio Chrysostom, <i>Eighth Discourse: On Virtue</i>	Dio Chrys. <i>Or.</i>
Diodorus Siculus, <i>Library of History</i>	Diod. <i>Sic.</i>

Diogenes Laertius, <i>Anaxarchus</i>	Diog. Laert.
Diogenes Laertius, <i>Lives of the Eminent Philosophers</i>	Diog. Laert.
Dionysius of Halicarnassus, <i>Roman Antiquities</i>	Dion. Hal. <i>Ant. Rom.</i>
Dioscorides, <i>On Medical Materials</i>	Diosc.
Epidaurian Iamata	
Epiphanius, <i>Against Heresies</i>	Epiph. <i>Adv. haeres.</i>
Erycius, <i>Greek Anthology</i>	
Eugentius, <i>Mythologies</i>	
Euripides, <i>Hecuba</i>	Eur. <i>Hec.</i>
Euripides, <i>Phoenician Women</i>	Eur. <i>Phoen.</i>
Eutropius, <i>Brief History of Rome</i>	Eutr.
Florus, <i>Epitome</i>	Flor.
Frontinus, <i>Strategems</i>	Frontin. <i>Str.</i>
Galen, <i>An Outline of Empiricism</i>	Gal. <i>Subf. Emp.</i>
Galen, <i>Commentary on Hippocrates’ On Joints</i>	Gal. <i>Hipp. Art.</i>
Galen, <i>Method of Medicine</i>	Gal. <i>MM</i>
Galen, <i>On Avoiding Distress</i>	Gal. <i>Ind.</i>
Galen, <i>On Passions and Errors of the Soul</i>	Gal. <i>Aff. Dig.</i>
Galen, <i>On the Composition of Medicines According to Place</i>	Gal. <i>Comp. Loc.</i>
Galen, <i>On the Natural Faculties</i>	Gal. <i>Nat. Fac.</i>
Gregory of Tours, <i>Libri de Virtutibus Sancti Martini Episcopi</i>	Gregory of Tours, <i>VM</i>
Hermesianax, <i>Fragments</i>	
Herodas, <i>Mimes</i>	Herod.
Herodotus, <i>Histories</i>	Hdt.
Hesiod, <i>Works and Days</i>	Hes. <i>Op.</i>

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Hippocrates, <i>Instruments of Reduction</i>	Hippoc. <i>Mochl.</i>
Hippocrates, <i>On Fleshes</i>	Hippoc. <i>Carn.</i>
Hippocrates, <i>On Glands</i>	Hippoc. <i>Gland.</i>
Hippocrates, <i>On Joints</i>	Hippoc. <i>Art.</i>
Hippocrates, <i>On the Affections of Women</i>	Hippoc. <i>Mul.</i>
Hippocrates, <i>On the Nature of Women</i>	Hippoc. <i>Nat. mul.</i>
Hippocrates, <i>On the Nature of the Child</i>	Hippoc. <i>Nat. puer.</i>
Hippocrates, <i>On the Sacred Disease</i>	Hippoc. <i>Morb. sacr.</i>
Homer, <i>Iliad</i>	Hom. <i>Il.</i>
Homer, <i>Odyssey</i>	Hom. <i>Od.</i>
Horace, <i>Epodes</i>	Hor. <i>Epod.</i>
Horace, <i>Satires</i>	Hor. <i>Sat.</i>
Jacob de Voragine, <i>Legenda Aurea/The Golden Legend</i>	
John Damascene, <i>Baarlam and Ioasaph</i>	
Josephus, <i>Jewish Antiquities</i>	Joseph. <i>AJ</i>
Josephus, <i>Jewish War</i>	Joseph. <i>BJ</i>
Josephus, <i>Life of Josephus</i>	Joseph. <i>Vit.</i>
Juvenal, <i>Satires</i>	Juv.
Laws of the Twelve Tables	
Leonidas of Alexandria, <i>Greek Anthology</i>	
Leviticus	
Lev Rabbah	
Livy	
Livy, <i>Epitome</i>	Livy, <i>Epit.</i>
Lucan, <i>Pharsalia</i>	
Lucian, <i>Alexander the False Prophet</i>	Luc. <i>Alex.</i>
Lucian, <i>Apology for the Salaried Posts in Great Houses</i>	Luc. <i>De Merc. cond.</i>
Lucian, <i>Dialogues of the Courtesans</i>	Luc. <i>Dial. meret.</i>
Lucian, <i>Essays in Portraiture Defended</i>	Luc. <i>Imag.</i>
Lucian, <i>Friendship</i>	Luc. <i>Tox.</i>

Lucian, <i>Gout</i>	Luc. <i>Pod.</i>
Lucian, <i>Ignorant Book-Collector</i>	Luc. <i>Ind.</i>
Lucian, <i>Professor of Public Speaking</i>	Luc. <i>Rhet.</i>
Lucian, <i>The Dance</i>	Luc. <i>De Salt.</i>
Lucian, <i>The Dream</i>	Luc. <i>Somn.</i>
Lucian, <i>True Story</i>	Luc. <i>Ver. hist.</i>
Lucillius, <i>Greek Anthology</i>	
Luke	
Lycophron, <i>Alexandra</i>	Lycoph. <i>Alex.</i>
Lysias	Lys.
Macedonius, <i>Greek Anthology</i>	
Macrobius, <i>Saturnalia</i>	Macrobi. <i>Sat.</i>
Mardonius the Consul, <i>Greek Anthology</i>	
Mark	
Martial, <i>Epigrams</i>	Mart.
Matthew	
Mekilta on Exodus	
Menander, <i>The Girl with Her Hair Cut Short</i>	Men. <i>Pk.</i>
Musonius Rufus, <i>Discourse 21 On Cutting the Hair</i>	Muson.
Myrinus, <i>Greek Anthology</i>	
Nonius, Scholiast	
to Lucian, <i>The Dependent Scholar</i>	Non.
Nonnus, <i>Dionysiaca</i>	Nonnus, <i>Dion.</i>
Oribasius, <i>Medical Collection</i>	
Ovid, <i>Amores</i>	Ov. <i>Am.</i>
Ovid, <i>Arts of Love</i>	Ov. <i>Ars am.</i>
Ovid, <i>Heroides</i>	Ov. <i>Her.</i>
Ovid, <i>Metamorphoses</i>	Ov. <i>Met.</i>
Palaephatus, <i>On Unbelievable Things</i>	
Palestinian Talmud	
<i>P.Giss.</i>	
Paul, <i>Corinthians</i>	
Paul of Aegina, <i>Medical Compendium</i>	
Pausanias, <i>Description of Greece</i>	Paus.

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Persius, <i>Satires</i>	Pers.
Petronius, <i>Satyricon</i>	Petron. <i>Sat.</i>
Philippus or Isodorus, <i>Greek Anthology</i>	
Philo, <i>That the Worse Is Wont to Attack the Better</i>	
Philostratus, <i>Apollonios of Tyana</i>	Philostr. <i>VA</i>
Philostratus, <i>Lives of the Philosophers</i>	Philostr. <i>VS</i>
Philostratus the Elder, <i>Epistles</i>	Philostr. <i>Ep.</i>
Philostratus the Elder, <i>Imagines</i>	Philostr. <i>Imag.</i>
Pindar, <i>Olympian Odes</i>	Pind. <i>Ol.</i>
Plato the Younger, <i>Greek Anthology</i>	
Plautus, <i>Amphitryon</i>	Plaut. <i>Amph.</i>
Plautus, <i>A Three Coin Day</i>	Plaut. <i>Trin.</i>
Plautus, <i>Pot of Gold</i>	Plaut. <i>Aul.</i>
Plautus, <i>The Braggart Soldier</i>	Plaut. <i>Mil.</i>
Plautus, <i>The Persian</i>	Plaut. <i>Pers.</i>
Plautus, <i>The Rope</i>	Plaut. <i>Rud.</i>
Plautus, <i>Weevil</i>	Plaut. <i>Cur.</i>
Pliny the Elder, <i>Natural History</i>	Plin. <i>HN</i>
Pliny the Younger, <i>Letters</i>	Plin. <i>Ep.</i>
Plutarch, <i>A Letter of Condolence to Apollonios</i>	[Plut.] <i>Cons. Ad Apoll.</i>
Plutarch, <i>Caesar</i>	Plut. <i>Vit. Caes.</i>
Plutarch, <i>Camillus</i>	Plut. <i>Vit. Cam.</i>
Plutarch, <i>Eumenes</i>	Plut. <i>Vit. Eum.</i>
Plutarch, <i>Flaminius</i>	Plut. <i>Vit. Flam.</i>
Plutarch, <i>Galba</i>	Plut. <i>Vit. Galb.</i>
Plutarch, <i>Lysander</i>	Plut. <i>Vit. Lys.</i>
Plutarch, <i>Moralia</i>	Plut. <i>Mor.</i>
Plutarch, <i>Moralia: Lives of the Ten Orators: Antiphon</i>	

Plutarch, <i>Moralia: On Brotherly Love</i>	Plut. <i>Mor. De frat. amor.</i>
Plutarch, <i>Moralia: On Exile</i>	
Plutarch, <i>Moralia: The Dialogue on Love</i>	
Plutarch, <i>On Isis and Osiris</i>	Plut. <i>Mor. De Is. et Os.</i>
Plutarch, <i>Pericles</i>	Plut. <i>Vit. Per.</i>
Plutarch, <i>Pompey</i>	Plut. <i>Vit. Pomp.</i>
Plutarch, <i>Sertorius</i>	Plut. <i>Vit. Sert.</i>
Polybius, <i>Histories</i>	Polyb.
Porphyrus, <i>Life of Pythagoras</i>	Porph. <i>Pyth.</i>
Procopius, <i>History of the Wars</i>	Procop.
Prudentius, <i>Crowns of Martyrdom</i>	Prudent.
Pseudo-Apollodorus, <i>Library</i>	Apollod. <i>Bibl.</i>
Pseudo-Hyginus, <i>Fables</i>	Hyg. <i>Fab.</i>
Quintilian, <i>Lesser Declamations</i>	Quint.
Quintilian, <i>The Orator's Education</i>	Quint. <i>Inst.</i>
Quintus Curtius, <i>History of Alexander</i>	
Quintus Smyrnaeus, <i>The Fall of Troy</i>	Quint. Smyrn. <i>Rig Veda.</i>
Sallust, <i>Histories</i>	Sall. <i>Hist.</i>
Scribonius Largus, <i>Compositiones medicamentorum</i>	
Seneca the Elder, <i>Controversiae</i>	Sen. <i>Controv.</i>
Seneca the Younger, <i>Moral Epistles</i>	Sen. <i>Ep.</i>
Seneca the Younger, <i>Natural Questions</i>	Sen. <i>QNat.</i>
Seneca the Younger, <i>On Anger</i>	Sen. <i>Ira.</i>
Seneca the Younger, <i>Thyestes</i>	Sen. <i>Thy.</i>
Servius	Serv.
Sextus Empiricus, <i>Against the Professors</i>	Sext. Emp. <i>Math.</i>
Sophocles, <i>Oedipus at Colonus</i>	Soph. <i>OC</i>
Sophocles, <i>Philoctetes</i>	Soph. <i>Phil.</i>
Soranus, <i>Gynaecology</i>	Sor. <i>Gyn.</i>
Statius, <i>Silvae</i>	Stat. <i>Silv.</i>

List of Abbreviations

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Statius, <i>Thebaid</i>	Stat. <i>Theb.</i>
Strabo, <i>Geography</i>	Strabo, <i>Geog.</i>
	<i>Suda.</i>
Suetonius, <i>Augustus</i>	Suet. <i>Aug.</i>
Suetonius, <i>Caligula</i>	Suet. <i>Calig.</i>
Suetonius, <i>Claudius</i>	Suet. <i>Claud.</i>
Suetonius, <i>Domitian</i>	Suet. <i>Dom.</i>
Suetonius, <i>Galba</i>	Suet. <i>Galb.</i>
Suetonius, <i>Julius Caesar</i>	Suet. <i>Iul.</i>
Suetonius, <i>Nero</i>	Suet. <i>Ner.</i>
Suetonius, <i>Otho</i>	Suet. <i>Oth.</i>
Suetonius, <i>Tiberius</i>	Suet. <i>Tib.</i>
Tacitus, <i>Agricola</i>	Tac. <i>Agr.</i>
Tacitus, <i>Germania</i>	Tac. <i>Germ.</i>
Tacitus, <i>Histories</i>	Tac. <i>Hist.</i>
Talmud Sanhedrin	
Tertullian,	
<i>On the Apparel of Women</i>	Tert.
Theophanes the Confessor,	
<i>Chronicle</i>	
Theophrastus,	
<i>Enquiry into Plants</i>	Theophr. <i>Hist. pl.</i>
Tibullus, <i>Elegies</i>	Tib.
Tosephta, <i>Parah</i>	
Tractate Nedarim	
Valerius Maximus,	
<i>Memorable Deeds</i>	
<i>and Sayings</i>	Val. Max.
Varro, <i>On Agriculture</i>	Varro, <i>Rust.</i>
Virgil, <i>Georgics</i>	Verg. <i>G.</i>
Vitruvius, <i>On Architecture</i>	Vitr. <i>De arch.</i>
Xenophon, <i>Cyropaedia</i>	Xen. <i>Cyr.</i>
Xenophon, <i>Estate Management</i>	Xen. <i>Oec.</i>
Xenophon, <i>Hellenica</i>	Xen. <i>Hell.</i>
Xenophon, <i>Memorabilia</i>	Xen. <i>Mem.</i>