Columbia Studies in the Classical Tradition

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VOLUME 42

Popular Medicine in Graeco-Roman Antiquity: Explorations

Edited by

W.V. Harris



BRILL

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2016

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The Library of Congress Cataloging-in-Publication Data is available online at http://catalog.loc.gov LC record available at http://lccn.loc.gov/

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Typeface for the Latin, Greek, and Cyrillic scripts: "Brill". See and download: brill.com/brill-typeface.

ISSN 0166-1302

ISBN 978-90-04-32558-6 (hardback)

ISBN 978-90-04-32604-0 (e-book)

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This work is published by Koninklijke Brill Nv. Koninklijke Brill nv incorporates the imprints Brill,

Brill Hes & De Graaf, Brill Nijhoff, Brill Rodopi and Hotei Publishing.

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This book is printed on acid-free paper and produced in a sustainable manner.

Printed by Printforce, the Netherlands

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Preface

A decade ago Fritz Graf wrote that research on ancient medicine had split into two fields, 'the scientific, professional medicine of the Hippocratic doctors' and temple medicine, a separation that he rightly deplored (Graf 2006, 3). But there was and is, I suggest, a still more serious failing in the study of ancient medicine—namely its pervasive if not unanimous refusal to explore popular medicine in a systematic fashion, which has led to a severely unbalanced narrative about ancient healthcare.

It is fairly easy to understand why this should have come about: the large bodies of evidence that concern elite/learned/rationalistic medicine on the one hand and temple medicine on the other present a host of fascinating phenomena and problems, whereas the evidence about popular medicine, however we define that concept, is scattered, refractory and elusive. Furthermore, like the majority of classical scholars, students of both elite medicine and temple medicine habitually neglect the social structure of the world they are trying to study, so that rich and poor, townspeople and countrypeople—not to mention other distinctions—, are ruthlessly homogenized. I say all this with the proper diffidence of a non-specialist who may seem to be criticizing scholars of the very first calibre who have devoted their careers to the study of ancient medicine.

In order to explore the apparent gap in the study of ancient healthcare I organized a conference at Columbia University's Center for the Ancient Mediterranean on 18 and 19 April 2014 under the title 'Popular Medicine in the Graeco-Roman World'. An excellent cast of speakers took up the challenge, and an occasion of quite exceptional scholarly interest ensued. Not least because some of the speakers more or less denied that the subject existed, or proceeded as if it did not exist. The terms of that debate are set out in this book, which may—one hopes—encourage other scholars to adopt a broader, more comprehensive approach to the study of ancient healthcare.

As for a definition I suggest this: 'those practices aimed at averting or remedying illness that are followed by people who do not claim expertise in learned medicine (Gk. iatrike) and do not surrender their entire physical health to professional physicians (Gk. iatroi)'.

It is a great pleasure to thank the contributors to this volume for their hard work and their spirit of cooperation. Particular thanks are also owed to an anonymous reviewer who began to help me at a relatively early stage; his learning and good sense have been extraordinarily useful.

LASKARIS

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until it has no saltiness, adding warm water even if it turns white. Then throw out the liquid and dry in a very hot sun, and put it in jars.71

expended to produce medicines from them, and the striking therapeutic bena motivation even above and beyond the economic to substitute or adulterate were willing to put in strenuous effort to ensure that they had genuine ingreof the lengthy descriptions in Dioscorides implies that at least some doctors items, and so well worth the defrauder's while. By the same token, the very fact efits of some of these preparations would have combined to make them costly them. All in all, it seems that the market value of ores and metals, the effort ucts from drug-sellers—and also understand why the drug-sellers would have see why doctors would be tempted to take the easy way out and buy such prod-The time and energy expended on this preparation is considerable. One can travel to a mine—and indicates how highly they esteemed metallic medicines. dients that had been processed correctly—and perhaps even, like Galen, to

developed the remaining steps is beyond the scope of our evidence, but the in the normal course of their labours, the workers were part way to having fully part of the normal processes for turning minerals into metals. In other words, turing of metallic medicines generally included several initial steps that were such metals were useful pharmacologically. ing supports the idea that the workers were the source of the knowledge that fact that these medicines were frequently the offshoot of normal manufacturprocessed medicines as described in our texts. Whether or not they themselves From the evidence of Pliny and Dioscorides we can see that the manufac-

copper mines heal. For those medical traditions for which we have Bronze Age and metalworkers and our medical authors. Thus, it seems likely that a workthat the Greeks possessed the same knowledge at roughly the same time. In burns, and wound treatment, and I believe that the myth of Telephus indicates textual evidence, we see copper and other metals being used for eye infections, to have discovered their therapeutic usefulness. Copper in particular is very miners and metalworkers who handled them constantly were almost certain the Greeks and Romans, and especially those of copper, were such that the ing knowledge of the therapeutic effects of some metals was possessed by the from Pliny, Dioscorides, and Galen, we can detect interaction between miners later sources, we see metallic medicines consistently held in high regard, and fast-acting, and Pliny takes note of how very quickly wounds of those in the earliest metalworkers and miners. We can conclude, then, that the biocidal properties of the metals used by

CHAPTER 7

Crossing the Borders Between Egyptian and Greek **Medical Practice***

Isabella Andorlini

religion played a significant role in Egyptian medical practices that remained medical practice in Graeco-Roman Egypt, focusing on the papyri. Magic and fairly constant from the Old Kingdom (c. 2600 BCE) until the arrival of Greek This paper offers a survey of the interrelationship between Egyptian and Greek practiced mainly in the Egyptian style. duced changes, but there is evidence that medicine in Ptolemaic Egypt was practitioners during the Hellenistic period (c. 332–30 BCE). Their arrival intro-

Greek Experiences in Early Ptolemaic Egypt

of his people to buy a kotyle (about one-fourth of a litre)1 of Attic honey (the ten in Memphis (so C.C. Edgar), a certain Dromon asks Zenon to order one In a letter dated around the middle of the third century BCE, perhaps writcament for his eyes—the order of the god is explicitly described as κατά in Egypt), for Dromon has been commanded by the god to use this as a medi-Attic honey could sometimes be bought in Alexandria, but honey was scarce best honey came to Egypt from Attica, and was considered a great luxury πρόςταγμα τοῦ θεοῦ.

θεοῦ (P.Cair.Zen. 111 59426, lines 5-8 = Sel. Pap. 1 91 = Trismegistos 1066; Άττικοῦ κοτύλην- χρείαν γὰρ ἔχω πρός τοὺς ὀφθαλμοὺς κατὰ πρόςταγμα τοῦ ώς δ' ἄν ἀναπλέηις ὑγιαίνων, ςύνταξόν τινι τῶν παρὰ ςοῦ ἀγοράςαι μέλιτος 260-250 BCE).2

Professor Andorlini was not able to revise this paper for publication. I am most grateful to preparing the present version.—WVH. a reviewer who must remain anonymous, and to Roger Bagnall and David Leith, for help in

For the liquid measure kotyle in the Hippocratic collection, see Potter 1980, 133

The god was presumably the Memphite Sarapis, who prescribed benefits by means of dreams. The best evidence for ordinary worshipers engaging in incubation at Saqqara was

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your company to purchase a kotyle of Attic honey, since I have need of it for my eyes, according to the god's command When you are about to sail up-river in good health, order one of those in

turn overlapped with Greek medicine. almost identical to the god's (PSI IV 413 = Trismegistos 2096).4 In other words. men of Greek culture were already making use of Egyptian medicine, which in another letter from the Zenon archive shows an iatros giving a prescription things health-care centres. But what may be most interesting here is that times the sick were healed through incubation. Temples were among other a major Memphite cult.3 The sick Dromon went to this shrine, where somemust have been Sarapis (identified by the Greeks with Asclepios/Imhotep), advice was communicated to sufferers through dreams. In any case the god he resorted would have been the great Sarapeion at Saqqâra, where medical At this time, Dromon was probably living in Memphis and the temple to which

deeply immersed in Egyptian medical practices. shows us that in the early Ptolemaic period a man of Greek culture could be which he escaped only by promising to obey the god's bidding. So this text too writer lived. Evading the task, Zoilos was overtaken by a dangerous illness from him in the Greek quarter of the town, presumably at Alexandria,6 where the finance minister of Ptolemy Philadelphus, that a Sarapeion should be built for erwise unknown, was apparently instructed by Sarapis to tell Apollonios, the In another petition of the same period,⁵ a certain Zoilos of Aspendos, oth-

regained health thanks to Imhotep, who, during a dream, cured them from a XI 1381, of the second century CE, describes how the writer and his mother ized priests. Another much later text, a narrative in Greek preserved in P.Oxy. Asclepieion, where Imhotep's healing power was put into practice by special-One of the temples most renowned for effective cures was the Memphis

everyday health needs relied on a pharmacopela that drew on an amalgam of cult among the Hellenophone population of Egypt.7 Most medical recipes for papyrus of c. 1550 BCE, for example, mentions beans of Cretan origin: was in fact very far from new in Ptolemaic times. A recipe in the famous Ebers directions, providing us with very early evidence for an interrelationship. This Egyptian and Greek medicine. The traffic in drugs seems to have gone in both violent fever. The writer's concern is the propagation of the Imhotep-Asclepios

about an unknown herb)... which are like beans from the Keftiu land Ebers 28: Another (remedy) to cause purgation... (then comes a section

cal drugs between the Aegean world and Egypt.9 Archaeological evidence also suggests that there was traffic of pharmacologi-

apparently from a mother to her son: was learning Egyptian script has given rise to extensive discussion. The letter is izing in the use of clysters as a cure who employed in his practice a Greek who A papyrus of the second century BCE that refers to a native doctor special

ότι | νῦν γε παραγενόμενος | εἰς τὴν πόλιν διδάξεις | παρὰ Φαλουή[τι ίατροκλύςτηι τὰ | παιδάρια καὶ ἕξεις | ἐφόδιον εἰς τὸ γῆρας. (P.Lond. 1 43 = πυνθανομένη μανθά|νειν σε Αίγύπτια | γράμματα συνεχάρην σοι | καὶ ἐμαυτήι, UPZ I 148 = Trismegistos 3540; second century BCE).

since now at least on your return to the city you will be teaching the 'boys' you will have a way to support yourself into your old age.10 When I heard that you are learning Egyptian letters, I shared your Joy [probably 'slaves'] in the house of Phalou[tes] the enema specialist, and

tence of a school, or a surgery, specialized in healing by the administration an Egyptian doctor has broader implications for Egyptian society: the exis-According to Roger Rémondon the employment of a Greek interpreter by

chamber' ([έ]ν ἐνχομητηρ[[ωι] | μύριοι τινάμ[ωροι] (SEG XLIX (1999), no. 2292). dromos around 275-225 BC states that 'there are countless mischievous ones in the sleeping published relatively recently: a graffito written on the left forepaw of a stone sphinx in the

care centres, see Clarysse 2010, I, 274-290. Thompson 2012, 19, 72, 241–242 (incubation), and 245 n. 310. On medicine in Egyptian health-

P. Cair. Zen. 1 59034 (257 BC), lines 9–10 εἰς ἀρρως $[\tau]$ [α $[\nu]$ μ[επ]εριέβαλεν μεγάλην ὥςτε και punishment was also of course a Greek idea. (Renberg and Bubelis 2011; I follow their text but omit their underdotting). Disease as divine κινδυνεθοαί με ('I was overtaken by a dangerous illness'). The text has recently been re-edited

At Memphis according to others (cf. Renberg and Bubelis 189)

^{2012.} Demotic papyri tell similar tales, see e.g. Ryholt 1998 The text is copied on the verso of P.Oxy. XI 1380. See Naether and Thissen 2012, Signoretti

Armott 1996 and Totelin 2009, 180-182

Laskaris 1999.

On this text see among others Rémondon 1964, Bagnall 1995, 33-35, P. Lang 2013, 205-206. An enema-doctor called an lατροκλύςτης occurs also in P.Hib. 11 268 (c. 260 BC), lines

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Predispositions

and also for the high degree of specialization among Egyptian doctors: greatly impressed by Egyptian medicine. Herodotus provides evidence for this plain that by his time, that is to say Hippocrates' time too, some Greeks were around the middle of the fifth century BCE was by no means unique, and it is and possessed the most knowledgeable doctors. Herodotus' journey to Egypt and according to a well-known passage in Odyssey IV, Egypt was rich in drugs tion in that direction. One should not underestimate the influence of Homer, local practices, not surprisingly. There may have been some Greek predisposi-Thus Greek medical experience in Egypt fairly soon became involved with

οί δὲ κεφαλής, οί δὲ ὀδόντων, οί δὲ τῶν κατὰ νηδύν, οί δὲ τῶν ἀφανέων νούςων πλεόνων. Πάντα δ' ἰητρῶν ἐςτι πλέα· οἱ μὲν γὰρ ὀφθαλμῶν ἰητροὶ κατεςτᾶςι, (Herodotus, 11 84). Ή δὲ ἰητρική κατὰ τάδε εφι δέδαεται· μιήε νούεου ἕκαετος ἰητρός ἐετι καὶ οὐ

physicians are for the eyes, others for the head, others for the teeth, othone disease only, and no more. All places abound in physicians; some ers for the parts about the belly, and others for internal disorders. Medicine there is divided up as follows: each physician applies himself to

already aroused Greek interest. dants. But the Hippocratic corpus too shows that Egyptian medicine had the attitudes of the Greek immigrants to Ptolemaic Egypt and their descentor in Egypt.12 This text cannot by itself be more than a hypothetical guide to story that King Cyrus asked the Pharaoh Amasis to send him the best eye doc-He singles out Egyptian eye-specialists for particular mention, reporting the

birth prognoses and gynaecological techniques with earlier Egyptian medical It has been shown that the treatises of the Hippocratic collection share

a number of medicines recorded in the Hippocratic writings of the fifth and collection before appearing later in the Alexandrian pharmacopeia.14 tion to ntry or natron, known to the Greeks as nitron, a sodium carbonate, the works contain Egyptian ingredients from the vegetable kingdom. In addimacology is solidly attested by the ingredients labelled Egyptian appearing in Furthermore, an influx of Egyptian drugs into pre-Alexandrian Greek phar-Kahun Medical Papyri (c. 1820 BCE), on the one hand, and the works Barren writings, such as the Papyrus Carlsberg VIII (c. 1300 BCE) and the Berlin and various animals (Dreckapotheke)—also made their debut in the Hippocratic Egyptian animal drugs—especially hyena bile and the urine and excrement of texts mention Egyptian alum, oil, salt, saffron, acorns, and other substances. fourth centuries BCE. Many of the gynaecological recipes of the Hippocratic Women (Steril. 214), Nature of Women, and Aphorisms (V 59) on the other.13

of a recipe against uterine suffocation parallel to a Hippocratic prescription enance and assigned to the third or second century BCE, preserves a version with ingredients attested here for the first time. The text, of unknown provwhich combines the format of a Hippocratic-style gynaecological collection fleabane in wine separately or together, 15 the papyrus version runs as follows: version reads 'when she is suffocated by the womb, let her drink castoreum and ingredients indicated, however, merits mention here. While the Hippocratic contained in a passage of Diseases of Women. A small variation in one of the An intriguing case study is provided by a Rylands papyrus of Ptolemaic date,

lines 12-15) διδύμων πό|νου<c> βο{ι}ηθεί και κλυςτήριόν έςτιν ύςτερων (P.Ryl. 111 531, 11, δεον τοῖε τριείν δακτύλοιε λαβεῖν ἐν οἴνῳ εὐώδει τοῦτο καὶ πρόε τοὺε τῶν πρός τούς ἀπό τῶν ὑςτερῶν πνιγμῶν ἐνυδρίδος τοὺς | νεφροὺς ξηράνας δίδου

Odyssey 1v.229-32: 'the food-giving field bears most kinds of drugs: many good when mixed, many harmful. And each doctor there is knowledgeable beyond all men.

Herodotus 111 1: ὅτε Κῦρος πέμψας παρὰ Ἄμαςιν αἴτεε ἰητρὸν ὀφθαλμῶν, δς εἴη ἄριςτος τῶν ἐν Αλγύπτω ('when Cyrus sent to Amasis asking for the best eye-doctor in Egypt').

¹³ Iversen 1939. Further discussion in Totelin 2009, 179-183.

¹⁴ The use of dung is a mark of Egyptian influence, see Nunn 1996, 148-151 (drugs of animal Aëtius VII 48 (CMG VIII 2, 303 = T260 von Staden). for women's ailments. Crocodile dung and hyena bile were among the animal prod-Superf. 28 (τούς ςκώληκας δὲ τούς κοπρίνους), 32 (κάςτορος ὅρχιν) (VIII 164.15; 370.4; 458.21; βοείου); Mul. 1 75 (λύχου κόπρον), 11 189 (πελιάδων κόπρον); Steril. 245 (ὀνίδα ξηρήν), 18.3 (καὶ πίνειν διδόναι τὸν κάςτορα), 32.89 (χολήν ταύρου), 32.97 (ὑὸς χολήν), 34b1 (οὕρου origin). For animal drugs, see, e.g., Hippocrates, Nat. mul. 7.1 (τῷ οὕρῳ τῷ τοῦ ἀνθρώπου), ucts utilized by Herophilus for an ointment in the mid-third century BCE, according to 492.21; 500.21 Littré), and Loc. Hom. 47.8, where cow dung and cow bile are recommended

¹⁵ Cf. Hippocrates, Mul. 11 200-201 (VIII 382-386 Littré, c. 450 BCE; esp. VIII 382.12-13 Littré): "Οταν πνήγηται ύπό ύςτερέων κάςτυρα και κόνυζαν έν οίνω χωρίς και έν ταύτω πινέτω

CROSSING THE BORDERS

can be held in three fingers, and serve in sweet-smelling wine. This is also helpful in the case of pains in the testicles and is an enema for the womb.16 In the case of hysterical suffocation, take dried otters' kidneys, as much as

fiber is hard to imagine in such an environment.18 otters (II 72), asserting that they were thought to be sacred, whereas Castor of the adaption of a recipe to an Egyptian milieu. Herodotus mentions the Nile substances of the animal kingdom. The change seems to furnish an example author was a Greek living in Egypt who was familiar with efficacious Egyptian the Hippocratic works. An equally attractive hypothesis, however, is that the to collections of recipes that circulated anonymously and independently from is no mention in the Hippocratic writings? The compiler may have had access recipe prescribe not castoreum but the unusual otter kidneys, of which there the mature Castor fiber L., the beaver). 17 Why does the compiler of this papyrus Hippocratic and Roman pharmacology, it is the exudate from the castor sacs of tions using otter kidneys as a substitute for castoreum (a very common drug in The author was likely re-contextualizing the existing Hippocratic medica-

collegium of priests whose prime duty was to use rituals to protect the gods. literature pertaining to their status. The House of Life there accommodated a nity, with numerous priests who took an interest in the religious and technical sites. Moreover, early Roman Tebtunis had a thriving Egyptian temple commuarchaeological context, a context only partly recoverable from finds at other nomenon. Tebtunis also offers the potential for putting documents into an period, and I shall sketch something of the topic as I see it and the kinds of contributions that Tebtunis papyri can make to studying this cultural phebest opportunity to analyse Greek-Egyptian medical interactions in the Roman Of the villages in the Arsinoite nome, it is arguably Tebtunis that gives us the

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belong to a temple library, but to individual priests.19 knowledge to practitioners. Most of the documents we have, however, did not and to establish an instruction centre where priest-doctors could pass on their

to the diseased part of the body. Both these applications are mentioned in use of a chartarion as a sort of band-aid intended to keep the poultice attached of papyrus served on occasion as bandages, but far more frequent was the community. But the Hippocratics already knew of burnt papyrus as a medical instruction given in the Ebers recipe (Ebers 482), in which 'burnt papyrus not in water is the component of a lotion used specifically to treat leprosy, while a linen as a means of applying remedies to the affected part of the body. Strips functioned as a bandage or as an adhesive plaster. Papyrus competed with ingredient.21 Papyrus served as an ingredient of recipes, while papyrus paper rus for medicinal purposes²⁰ spilled over into the Hellenic or semi-Hellenized the recipes surviving in the collection of PSI X 1180,22 'burnt papyrus' wetted papyri of the Roman period excavated in the temple context of Tebtunis. In piece of medicated paper was applied locally for lichen.²³ One notes that the From Tebtunis too come evidence that the traditional Egyptian use of papy

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¹⁶ = MP3 2418; LDAB 1313. Cf. Hippocrates, Mul. 11 200-201 (VIII 382 Littré). See further Hanson 1998, esp. 79–81, Andorlini 1999, esp. pl. 3, and Hanson 2009, 73 n. 6.

¹⁷ many different ailments (including headache, fever and hysteria). still is, used as a tincture in perfumes, and, until the eighteenth century, was used to treat Cf. Celsus, Med. XXIII 1, 5; XXV 8, 12. The yellowish secretion of the castor sacs was, and

¹⁸ Cf. Herodotus IV 109 on beavers in Scythia, and the use of beaver testicles there for curing Herodotus or Hippocrates: Devecka 2013, 90. diseases of the womb. Beavers were in fact extinct in the Mediterranean world long before

²⁰ Our information about this practice goes back to the Ebers papyrus (see above). 'Cooked Tait 1992, Ryholt 2008. The Tebtunis papyri of the Roman period come from several Florence; and those found clandestinely and now in many collections. Cf. O'Connell 2007. Mission under C. Anti and G. Bagnani between 1931 and 1933, now at the Vitelli Institute in Florentine fragments, both Egyptian and Greek, excavated by the Italian Archaeological groups of different origin: the papyri excavated by Grenfell and Hunt, now at Berkeley; the

unwritten papyrus' mixed with 'wax, oil, and wah-legume' appears to be applied on the Hippocrates, Mul. 1 105 (c. 450 BCE; VIII 228.20-23 Littré). fourth day of a cure to relieve the pain of a burn (Ebers 482).

²² Full edition in Andorlini 2004a. This text was part of a large number of rolls in both 2004b (with earlier bibliography), Hanson 2005. Demotic scripts. The papyrus was found by the Italian excavators at Tebtunis in two subthe Greek and Egyptian languages, with the Egyptian ones written in both Elleratic and terranean rooms adjacent to the temple complex of the crocodile-god Sobek, cf. Andorlini

Cf. PSI X 1180, Fr. A, 111, lines 5-7: τον λιχήνα προεζμητάμενον κα|τάχριε και έξωθεν γθριν in check sores in the mouth and everywhere else; but papyrus roll that was set on fire does π and μ the μ for the state of the state of the state of the states μ and μ and μ and μ are states as μ and μ and μ are states as μ and μ are states Wellm.: ή δε κεκαυμένη πάπυρος άχρι τεφρώςεως δύναται νομάς έπέχειν τάς έν ςτόματι καί lesions, prepare an ointment with burnt papyrus'). For this use, cf. Dioscorides, MM I 86.1 αύτάς, βάμμα παπύρου κεκαυμ(ένης) ('against leprosy; when you have scraped off these bandage made from papyrus'), and PSI X 1180, Fr. A, 11, lines n-12: πρὸς λέπρας, ἐἀν ἐκ|δέρης beforehand, smear it with the finest meal externally, and cover the application with a ἐπάνω δὲ | το[θ] φαρμάχου χαρτάριον ἐπίθες ('having rubbed the area affected by lichen this kind of thing better')

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Also at Tebtunis, the use of 'hyena bile' (in PSI x 1180, Fr. B, col. 111, line 15 $\chi \circ \lambda(\hat{\eta}c)$ ' $\psi \alpha (\eta c)$) and 'excrement of ibis' (in Fr. A, col. 111, line 21 $|\beta| (\log \chi \circ \pi \rho \circ \nu)$ reveals the penetration of Egyptian Dreckapotheke into a receptarium composed in Greek.

Egyptian Medicine in the Wider World

Given the Hippocratic writers' interest in Egyptian recipes and the prestige of Alexandrian doctors such as Herophilus, it is scarcely surprising that Greek doctors in the wider Mediterranean world continued to show interest in Egyptian drugs and medicine.

In an anonymous treatise within the Galenic corpus entitled 'Introduction, or the Doctor' and roughly datable to the first or second century CE, special attention is paid to Egypt.²⁵ At the very beginning the author raises the question of the invention of the art and provides answers emphasizing the Egyptian advances in medicine, referring to the lines in *Odyssey* IV on the use of drugs, and citing other stories of the Egyptian medical tradition that were in vogue in his time: dissections of corpses in mummification, treatment of cataract, the invention of the clyster (or enema), and so on. It has been cautiously suggested that the attention devoted to Egypt throughout may indicate the homeland of the author.²⁶

In a further attestation to the enduring reputation of Egyptian practitioners outside the country, we learn from Pliny that Egyptian specialists in skin diseases regarded as native in Egypt, such as leprosy and lichen, were from time to time invited to Rome to treat difficult cases.²⁷ But Galen is naturally our

richest source.

A passage from Galen's work On the Composition of Drugs according to Places reports the following:

τὸ ἀχάριστον ἐπιγραφόμενον, πρὸς τὰς μεγίστας ἐπιφοράς, μόνφ τούτφ ἐν Αἰγύπτφ οἱ ἰατροὶ χρώμενοι εὐημεροῦςι καὶ μάλιστα ἐπὶ τῶν ἀγροικοτέρων (Galen, Comp. sec. loc. IV 7 = XII 749.13–15 K. ex Asclepiade).

An eye salve called *achariston*, against severe flux from the eyes. By use of this remedy alone, the physicians in Egypt are successful (in treating the disease), especially among the country people.

In another passage Galen praises a 'yellow plaster' that seems to have been derived from an Egyptian milieu:

τὴν ἐνδοξοτάτην τῶν κιρρῶν, ἢν ὀνομάζουςι διὰ δικτάμνου, τῶν ἱερῶν ὁνομαζομένων καὶ αὐτὴν, ὥςπερ ἡ ἵςις, ἐπειδή φαςιν αὐτὰς ἐκ τῶν ἱερῶν τῶν ἐν Αἰγύπτῷ χομιςθῆναι (Galen, Comp. per gen. 1112 = x111518.7-9 K.).

the most famous of the 'yellow plasters', which they call "made with dittany" and which is named among the 'holy plasters', like the 'Isis' plaster, because they say that they have been brought from the temples priests in

Note that there is a recipe entitled 'yellow plaster' in our Tebtunis receptarium,

namely in PSI x 1180, Fr. A, 11, line 32 (χιρρα).

In another example Galen records a remedy called 'Hybris' (perhaps to be interpreted as 'very energetic'), apparently devised by someone from Oxyrhynchus and known to him through another Egyptian Greek:

²⁴ Cf. Andorlini 2015.

Εἰαχωγή ἢ ἰατρός alias Introductio seu medicus (ΧΙΝ 674-797 Κ.). See now the edition of Petit 2009. 1, 1-3: Πῶς εὕρηται ἡ ἱατρική;...παρὰ δὲ Αἰγυπτίοις ἦν μὲν καὶ ἡ τῶν βοτανῶν χρῆςς καὶ ἡ ἄλλη φαρμακεία, ὡς καὶ "Ομηρος μαρτυρεῖ... ἐκ δὲ τῆς ἐν ταῖς ταριχείαις ἀναςχίσεως τῶν νεκρῶν πολλὰ καὶ τῶν ἐν χειρουργία παρὰ τοῖς πρώτοις ἰατροῖς εύρῆςθαι δοκεῖ. τινὰ δὲ ἐκ περιπτώς εώς φαςιν ἐπινενοῆςθαι... καὶ τὸ κλύζειν δὲ ἀπὸ τῆς ἴβεώς φαςιν εὐρεθῆναι (...). 'How was medicine invented? [A short paragraph about the Greeks follows, mentioning plants and pharmaka]. But among the Egyptians too plants and other pharmaka were used, as Homer also testifies... It seems that many surgical practices employed by the first doctors were invented as a result of dissection of corpses for purposes of mummification. Others are said to have been discovered by accident [he describes a cataract procedure]. And clyster evacuation is said to have been modeled on observation of the ibis [on the Nile]! Issel 1917, Hanson 1985, 25-6; cf. Petit 2009, 109.

²⁷ Pliny, NH XXVI 4: 'adveneruntque ex Aegypto, genetrice talium vitiorum, medici hanc solam operam adferentes magna sua praeda', and NH XXIX 93: 'Cossinum equitem Romanum amicitia Neronis principis notum, cum is lichene correptus esset, vocatus ex Aegypto medicus ob hanc valetudinem eius a Caesare, cum cantharidum potu praeparare

"Αλλη. "Υβρις του Όξυρυγχίτου, φάρμακον έπιτετευγμένον πρὸς παντὸς ἰοβόλου πληγήν. ἀνεγράφη ὑπὸ Άπολλωνίου του Μεμφίτου. (Galen, Antid. $2 = \text{XIV} \ 188.9-12 \text{ K.}$). 28

Another remedy called 'Hybris', obtained by a man from the Oxyrhynchite [sc. nome], is very effective against the bite of every venomous animal; it is recorded by a certain Apollonius from Memphis.

This antidote, applied against poisonous bites from animals, curiously overlaps the evidence of a Tebtunis papyrus concerned with bites of asps and crocodiles (*P.Tebt.* 11 273 = *GMP* 11 5, V1, line 9), exemplifying the process of derivation and adaptation from an Egyptian environment.

Galen learned by experience in Alexandria that amputation of fingers was effective for asp-bites ($De\ loc.\ aff.\ III\ II = VIII\ 197.9-16\ K.$). ²⁹ He also uses dung of crocodiles, possibly imported from Egypt, as a means to cure skin diseases ($Simpl.\ x\ 29 = xII\ 308.7-12\ K.$)³⁰

A Late-Antique Coda

Perhaps the most explicitly medical votives to have survived from Coptic Egypt are those found in the shrine of the local saint Colluthus, commonly referred to as Abu Colta, which are associated with the numerous iatro-magical papyri found during the excavations led by John de Monins Johnson at Antinoöpolis, 31

edge Colluthus' most impressive miracula.32 Most of the queries concerned of the most precious ex votos of bronze, which were left behind to acknowlof divination. In the kiman of the northern necropolis were recovered many oracle procedure. At Saint Colluthus' sanctuary people found familiar rites Greek city of Antinoöpolis in middle Egypt, developed a traditional Egyptian queries, worded in both positive and negative form, and receive back the porrenowned for curing eye diseases, supposedly martyred at the beginning of the ex votos were in the form of breasts, eyes, and feet. 33 Colluthus was a healer business and travel, but some addressed health issues. The vast majority of the Christian 'ticket' oracles, still unrolled or thrown away after opening, and some cal to those used in traditional Egyptian temples. medicine, following scribal formulations and the practice of incubation identithe regional cult-centre of Antinoöpolis, with its oeconomus, eclipsed scientific other objects associated with Colluthus were certainly believed to work, and tion of the query that the saint's local priests deemed correct.34 Amulets and fourth century CE under Emperor Diocletian. Devotees would present written The shrine of Saint Colluthus, recovered in the northern necropolis of the

This is not the place to write the history of the medical use of amulets in Egypt. Suffice it to say that they were an old tradition in both Egyptian and Greek milieux. Here are two allusions, the first from an Oxyrhynchus papyrus:

τό πρός παρίςθμια περίαμμα | εἰς τό χρυςοῦν πέταλον τῶ Cαρμάτη | πέμψον γρα[].]]ψας (lege γράψας) εἰς πιττάχιον | ὧς περιέχει. (P.Oxy. XLII 3068.1-4. 3rd)

The amulet against tonsillitis, for the gold plate, send it to Sarmates, having copied it on a slip of papyrus word by word.

Here is another from the collection of the *Greek Magical Papyri* published by Preisendanz:

Φυλακτήριον τωματοφύλαξ πρός δαίμονας, πρός φαντάτματα, | πρός πάταν νότον καὶ πάθος. ἐπιγραφόμενον ἐπὶ χρυςέου | πετάλου ἢ ἀργυρείου ἢ κατειτερίνου ἢ εἰς ἱερατικὸν χάρτην φορούμενον ετρατιωτικῶς ἐετιν (PGM VII, col. 16, 580–584 = Preisendanz II, 26).

²⁸ The text given by Kühn runs Ύβριστοῦ Ὁξυρρυχζίτου, alluding to a man named Ὑβριστής (νεί-ἰστας), a personal name not attested in Egypt so far. For Ὑβρίστας and Ὑβριστος documented outside Egypt, see μερν 2013, V.Β, 418. The mention of the nome Οχγτhγης however, requires the construction τοῦ Ὁξυρυχχίτου. Thus Ὑβρισ τοῦ Ὁξυρυχχίτου can be regarded as a plausible correction.—Both Winkler 1980, 73–79 (on p. 53 she prints Hybristes), and Ihm 1997, 237, assume that the chapter by Galen πρὸς ἐχιοδήκτους (ΧΙΥ 183–190 K.) relies on Asclepiades.

²⁹ See Gourevitch, this volume, p. 000.

³⁰ ή δέ γε τών κροκοδείλων κόπρος ὥςπερ τῶν προςώπων τὴν ἔφηλιν ἀφαιρεῖν πέφυκεν, οὕτω καὶ ἐλεῖν ἀλφούς καὶ λειχήνας: 'The excrement of crocodiles, just as it naturally removes facial spots, so too it gets rid of leprosy and lichen' (the apparent meaning).

Grossmann on the procedure of incubation in the shrine of St. Colluthus (Grossmann 2014). For images of ex votos see Antinoupolis 1 (Pintaudi 2008), 27, nos. 64 and 65. Cf. Andorlini 1998, 19–22. P.Ant. 11 66 includes thirteen magico-medical prescriptions; cf. P.Ant. 11 65 and 140.

³² For the miracles of Saint Colluthus, renowned as archiatros, see Till 1951. For therapeutic oracular tickets addressed to Colluthus, cf. Donadoni 1964, Zanetti 2004.

See Devos 1981, Del Francia Barocas 1998, 101.

Cf. Frankfurter 1998, 3–48, Fournet 2009, 129 and pl. 26, Schenke 2013.

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A phylactery, a guard against daimons, against phantasms, against every sickness and suffering, to be written on a leaf of gold or silver or tin or on hieratic papyrus. When worn it works mightily.³⁵

Conclusions

The ancient prestige of Egyptian medicine among the Greeks, based presumably on the general prestige of Egyptian culture and on the high degree of specialization among Egyptian doctors, is likely to have made the Greek immigrants into Egypt more willing to take up local medical practices, as of course they did. But Egyptian influence was felt outside the country too once writers in the Greek language made Egyptian medicine more widely known in other parts of the Mediterranean and international doctors such as Galen came to know more about it. And there was surprisingly little criticism, even of *Dreckapotheke*.

CHAPTER 8

Representations of the Physician in Jewish Literature from Hellenistic and Roman Times

Catherine Hezser

and complementary, even though the underlying ideologies might seem conexplain the causes and to find healing. These options were partly overlapping state.1 Throughout antiquity various types of self-promoting healers offered tradictory. Biblical tradition traces illness back to sins; only God himself and Ancient Jews who were afflicted with diseases had a number of options to addition, trained physicians, whose knowledge was based on empirical scitheir wares, ranging from herbal remedies to magical spells and amulets.2 In the human observance of God's commandments were believed to change this in 'spiritual' healings. these leaders could also possess medical knowledge themselves and/or engage sicians and their knowledge for their own religious and ritual purposes; and healing, various overlaps between these three phenomena are recognizable Roman Palestine.3 If we apply the labels 'religious', 'popular', and 'scientific' to ence and Greek medical traditions, were active at least in the major cities of physicians might complement medicinal treatments with remedies based on popular' beliefs; religious leaders such as priests and rabbis would utilize phy-

³⁵ Trans. H.D. Betz 1986, 134.

On the biblical understanding of illness and its treatment see Allan 2001; Avalos 1995, 284–99. On the ancient belief that illness and disability were punishments inflicted by God/the gods see also the contributions in Avalos et al. 2007. On the rabbinic adaptation of the biblical notion of illness see Kottek 1985.

Simon Magus, Jesus, and the wandering charismatics of the early Jesus movement were popular healers whose offers were often linked to certain religious beliefs—they functioned in the sphere of popular religion. Their and their colleagues' practices involved exorcisms, prayers and spells, and objects that allegedly protected against evil spirits and the evil eye. Kottek 1985, 12–15, calls these forms of healing 'irrational medicine'. For the focus on healing in early Christianity see Porterfield 2005, 21–47.

On Greek physicians and the Roman appropriation of Greek medicine see especially Nutton 2004, 159–86. See also Kudlien 1986; Jackson 1988; King 2009, 32–7. Kottek 1994, 11, stresses that 'it is obvious that professional physicians practiced in Judea in Josephus' times'. Josephus mentions physicians especially in connection with Herod's diseases, see ibid. 21–2 (with references)