A MIDDLE ENGLISH TEXT ON PHLEBOTOMY

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Abstract
This paper has a twofold objective. The first one is the edition of the text in Wellcome Library, MS5650, ff. 58v-61v, and the second one concerns the study of its language and its textual organisation. To my knowledge, this manuscript has not been edited before, and belongs to a volume of fifteenth-century medical items bound together. There is apparently no relationship among these items, and the only connecting thread is the practical nature of these texts. The analysis of the language will allow me to tentatively locate the text from a dialectal perspective. This detail along with the analysis of the physical features of the text will help me to provide a more exact date of production of MS5650, ff. 58v-61v. For a more comprehensive study of the text, its characterisation from a genre perspective is offered. The conclusions of this paper comprise all the partial findings, and in so doing a complete picture of MS5650, ff. 58v-61v as both a social and a linguistic object is presented.

Keywords: Edition, Middle English, Phlebotomy, Wellcome Library, Textual Criticism, Textual Genre.

UN TEXTO SOBRE FLEBOTOMÍA EN INGLÉS MEDIO

Resumen
Este artículo persigue un doble objetivo. El primer es la edición del texto en Wellcome Library, MS5650, ff. 58v-61v, y el segundo se refiere al estudio del estudio de su lengua y de su organización textual. Hasta donde es posible indagar, no hay información de que este manuscrito no haya sido editado. Pertenece a un volumen de textos médicos del siglo xv, aparentemente, no hay relación entre los documentos del compendio, y su único hilo conductor es la naturaleza práctica de los textos. El análisis de los rasgos lingüísticos me permitirá ubicar el texto dialectalmente. Esto, junto con el análisis de las características físicas del texto, me permitiría proporcionar una fecha más exacta de producción del MS5650, ff. 58v-61v. Para un estudio más exhaustivo del texto, se ofrece una caracterización del mismo desde una perspectiva de género. Las conclusiones de este trabajo incluyen todos los resultados parciales y, al hacerlo, una imagen completa de MS5650, ff. 58v-61v, como objeto social y lingüístico.

Palabras clave: edición, Inglés Medio, flebotomía, Wellcome Library, crítica textual, género textual.
1. INTRODUCTION

Medieval medical texts have received uneven editorial attention in the last decades. While every effort has been done to produce seemingly extensive and representative compilations of these texts, the majority of which largely funded by public institutions, thorough critical editions of Old English and Middle English medical texts are still expected. The idea of what is scientific today has motivated frantic waves of medieval textual compilations in order to meet the quantification rules in contemporary scientific methodology ruled by statistics, indicators, and probabilistic means. Depending on the interests of the compilers, some of these corpora contain lemmatizations, other include part-of-speech XML-tags, and very refined compilations present, say, additional information on visual aids in the manuscripts from which the texts have been excerpted. The direction taken in scholarly linguistic research is commendable and, of course, very much needed to comply with the rules of the game. This article pursues, however, a different goal, and an edition of a bloodletting text in the fashion of the work done back in the mid-twentieth century is intended. The product of this edition might be eventually of use for later inclusion in the mentioned larger textual databases, should the text meet the needs of the compilers and of the purposes of the compilation.

This article proposes an edition of the text in the Wellcome Library, MS5650, ff. 58v-61v, along with information pertaining to its physical and language features. A glossary of Middle English words will be given after the edition for ease of reading. This said, the structure of this paper is, as follows. Section 2 offers an overview of phlebotomy in the Middle Ages, with an indication of earlier work performed on phlebotomy texts from this period. Later, in section 3, I focus on a description of Wellcome Library, MS5650, henceforward W, in codicological terms. In the following section, I offer information on the palaeographic, language and dialectal features of W. The last section is the edition of this item with textual apparatus, notes and a glossary of words excerpted from the edited text.

2. PHLETOBOMY IN THE MIDDLE AGES

Medieval medicine is both an art and a craft, and sufficient proof has come to us in the form of textual witnesses attesting for the interest medicine arouse among medieval scholars and layfolk (see Voigts). The education in medicine was extremely dear in the medieval period, and so was therapeutic assistance by learned professionals. This was among the reasons to find alternatives, less expensive means of therapeutic treatments. Evidence of this is found in the number of practical texts

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1 Surprisingly, medieval recipe compendia have received much editorial attention in the last centuries and nowadays of different quality. For a careful edition of medieval *receptaria*, see Hunt and Benskin. An instance of an earlier edition is Ogden.
based, as was pointed out in Alonso-Almeida and Carroll, as well as in de la Cruz Cabanillas, on academic texts. These texts circulated on demand and served an instructive function in those cases in which ordinary healers needed to perform some medical technical procedures. Thus, an English text on bloodletting like the one edited here represents a much lighter version of its phlebotomy master texts in either Latin, or in their translated forms in English or Norman French.

Phlebotomy by bloodletting has a long history coming down from earlier than the Egyptians (Davis 6). In the Middle Ages, this practice was also known and used, even if we cannot precise the popularity and frequency among practitioners. The truth is that countless medical texts contain directions on how to perform the procedure of bloodletting on humans, and where this should be done (see Voigts and McVaugh). A good example is the *homo venarum* found in the Wellcome manuscript 8004, f. 18r. This represents a beautiful decorated figure of a man surrounded by portions of text in either red or black ink indicating the place and names of veins in the body along with a short description, e.g. “The vayn in the vtturst part of ye nose opynd helpis þe brayne & clense þe mynde” (my transcription). This information is very similar to the description of the therapeutic functions of bloodletting depending on the veins on which this operation is carried out in W, ff. 58v-81v.

A technical aspect of bloodletting reports on the specific days in which this practice could be done, and almanacs often contain this information for availability to the surgeon or barber. They believed that there were good and bad days for bloodletting depending on the position of the moon and the planets (Stell 16). Parapia (491, after Dingwall 40) formulates this by drawing from historical evidence:

A manuscript dated 1595 ‘Ane Gude Boke of Medicines’ states ‘for letting of blude thair be thrie perrellous dayis in the year’, and gives the following advice ‘The last day of Apryll the first Monday of August and the last Monday of December. These thrie dayis be forbidden for they ben all ye waynes full of bode of every man. And yrfoir gif a women or man be latten blude on these dayis they sall dye wtin xv dayis’. There were, on the other hand, some auspicious days for bloodletting. If the procedure was carried out on 18 April there would be no fever; on 3 April no headache; and on 17 December or September, St Lambert’s day, ‘he shall not fall in no dropsie, fransy or tisyke’.2

In W, ff. 58v-61v, astrological significance is disclosed in the reference to months of the year and festivity days rather than as exact reference to the moon, the stars and the planets in order to signal recommendation to practice or to avoid certain therapeutic procedures. Medieval books and quires on practical medicine contain numerous instances of how, where and when a person should undergo bloodletting in order to restore balance of their bodily fluids, and consequently of their good health conditions. This belief was perpetuated over centuries (Siraisi 97),

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2 The months mentioned here coincide with those mentioned in W, f. 58v, but the days mentioned in both are different, except for the month of December.
evidence of which are the number of books mentioning and describing this excess of fluids and how to avoid this bodily disorder. Much of this knowledge recaps on the classical masters, as Hippocrates Galen and Socrates, who recommended the elimination of excessive humoral substance (Matheson 247). This information is echoed in medieval medical works, written either in Latin or in other vernaculars (cf. the pseudo-Bedan De Minutione Sanguinis, sive de Phlebotomia and Mirapice’s work on bloodletting).

The practice of bloodletting could be innocuous to some extent, but it could also be life threatening, and that is the reason for some to disdain it, as is the case of the English Helmontians in the seventeenth century, in favour of a more rational and chemistry-based type of treatment (Taaivitsainen et al. 19), as pointed out by Wear (383): “Blood-letting symbolised for Helmontians the intransigent hostility of Galenic medicine to any questioning of its methods and to any innovation”. The advent of a more scientific type of medicine meant the abandonment of this practice, at least in the developed countries. W, ff. 58v-61v, relies on contemporary circulating texts, which were based on the works of the classical writers and their witnesses, and still recommends bloodletting on certain days and on certain dietary conditions, as we shall see.

3. W WELLCOME LIBRARY, MS5650

London, Wellcome Library, MS5650 is described under the heading ‘Medical compendium in English’ in the online catalogue of the digital collection of the Wellcome Library (London, UK). According to this online catalogue, MS5650 seems to be in a fragile condition. Torn edges and dirt on the first leaves suggest a later binding. The date of production is approximately the fifteenth century. This will be later supported using palaeographic and linguistic data.

The manuscript contains 120 folios and two vellum final flyleaves and this volume is bound in medieval wood boards covered by leather. Quires are sawn and put together by three double thongs attached to the margin of the boards. The book spine shows sewing method as it has not been covered with leather. There is no decoration on the covers, but there is evidence of a missing metal clasp to keep the book close. The volume is 220 × 155 mm. According to the catalogue details, folios 1, 8-9, 16, 22-23 are vellum. Collation is also provided in the catalogue, and reads, as follows (this collation uses pages rather than folios): 1 16, 2 16 wanting 1-2, 15-16 wanting 16 wanting 1-2, 15-16 wanting 1-2, 15-16 probably blank, 3 12, 4 12, 5 12 wanting 10-12 probably blank, 6 10 wanting 7-10 probably blank, 7 14 wanting 9-14 probably blank, 8 16, 9 4, 10 15, 11 10. Quires missing between 8 and 9 and 10 and 11.

Visual inspection of the digitised manuscript reveals that f. 7 is severely damaged to the extent that more than two thirds of the folio have been torn away. Despite the description of quire 2 as wanting folios 2, 15 and 16, my examination of the book and the text on those folios reveals that these folios are present in the volume. The text follows nicely from one folio to the next. The excessive dirt on f. 16v indicates that this quire was loose for a good while until bound as part of
the volume. Quire 3 had originally 8 folios, wanting 1-2, 3-4. Quire 4 also had 8 folios, wanting now 13-14, 15-16. From quire 5 onwards, there is no contemporary foliation starting ‘2’ until folio 97 in present day script.

W is written by different scribes in English and Latin. The catalogue informs that the volume was compiled in the Westmoreland area. There are also additions by later hands. The practical nature of W is evinced in the items collected, among which there are medical and culinary recipes along with a treatise of the diseases of women, with some others. The exact contents taken accurately from the catalogue are the following:

| Item | Contents |
|------|----------|
| ff. 1r-28v The ‘Boke of mashalse’ | Incipit: ‘The boke of marschalse here it schall begyn...Iff þat pou hafe stede folse to kepe...’ Explicit: ‘Explicit per dominum Johanner Marshall vicarium sancti Michell de Appelby’ |
| ff. 29r-40v Herbal | Incipit: ‘Ruwy is hot and dry and dos goode to þe stomak...’ |
| ff. 41r-58r Treatise on the sicknesses of women | Incipit: ‘Here begynnys the sekenes off women whylk is callyd the moder. Also we salt understande þat women has lesse hete in þe body þan men...’ |
| ff. 58v-61v Phlebotomy treatise | Incipit: ‘Ffor blode lettyngye. Seth þe authoritie of ypocras þe noble phisiciane...The vayne in þe mygrayn...’ |
| ff. 62r-67v Trotula, Tractatus de egritudinibus mulierum | |
| ff. 68r-75v Collection of culinary recipes for meat, fish and vegetable dishes | Incipit: ‘Hic incipit modus iusquendi qualiter cocus se habebit in coquinis circa cibaria diversa preparanda. Swan. To slee all maner of birds to roste þame and to sause þame...’ |
| ff. 76r-88v Recipes for drinks, salves, unguents, etc. | Incipit: ‘Here may thou lere diverse manner off makyng of salves, drynkes, siropes, plasters, oynmentes, and gude entretes...’ |
| ff. 89r-91v Tract on making aqua vitae | Incipit: ‘Aqua vite and þe makyng þeroff. Take camphore...in distillatorio cum vino ponantur et ad lentum ignem distilles.’ |
| f. 91v On the making of oils | Incipit: ‘Her beginnys þe makyng off oylys. Oleum masticis ...’. ‘The end of the work is wanting. |
| ff. 92r-95v Treatise on uroscope. The beginning and end of the work are wanting | |
| ff. 96r-120v Recipe collection | Incipit: ‘Ictericia. Item ad [?] mundificeare cutem cum aceto albo tepido et decoctione capille veneris eupatorii et ordei...’ |

Catchwords in W include f. 11r ‘ye hors they’, f. 13r ‘whyle’, f. 16v ‘yat fynger’, f. 24r ‘surs of rye’, f. 52v ‘make ye modyr to drawyn hyr vpp in water’, f. 86r ‘erthe’, f. 88v ‘pan’, f. 91v ‘Oyle of swete almond’, f. 115v ‘& ye hete’, f. 120r ‘res’. These catchwords are accurate. The folios mentioned correspond to modern foliation, as some medieval folios are missing from the original.
The support of W is paper, but parchment has been used on folios 1, 8-9, 16, 22-23. There are some folios on which lines have been scored for designing the writing space. These lines have been done by pressing some point of lead to mark the paper without using ink. Others do not present these lines. No traces of pricking have been detected. The text is written in a single column throughout with some marginal additions in contemporary and later hands.

Ordinatio in running text is supported by specific headings preceding some items, and the use of red ink and red underlining in the case of the recipe compendium. The use of red paraph marks also serve this same function. W is certainly not rich in the use of decoration. There is one initial capital letter <H> with only a right shank, being the second missing in the form of a large minuscule <h>. This letter occupies approximately five lines, and it has been designed in brown with shades of red and a curly spine to finish at the top. Hanging red initials are used in the two tracts on the diseases of women. In the case of the Tractatus de egritudinibus mulierum, initials appear only from folio 64r up to 67v. A hanging initial is also found on f. 1r at the start of the ‘Boke of Maschalse’. In the case of our text, there is a manicule in a later hand used as a signalling device to indicate the suitable time for bloodletting on f. 59v. Another marginal note is ‘no¶’ on f. 58v to indicate unfavourable days for bloodletting.

As to early provenance and ownership, following the information on the catalogue, there are the fifteenth- to seventeenth-century signatures of Lancelot Denton on f. 22r, Georgius Harrison, Thomas Gent and Mary Williamson ff. 22v-23r, Recardus Hygins f. 23v, Edward Johnstone f. 96r-v. On flyleaves, information from a rental for Appleby and the surrounding area. The volume was acquired from Christie’s (3 Dec. 1986, lot 349) and purchased from Dr David Segal in 1989, as noted in the online catalogue.

4. W, ff. 58v-61v

The text edited here from W is an instance of a medieval medical practical knowledge being taken from learned sources dealing with medical matters. As I shall show in due course, this text seems to be a digested version of a technical text in which jargon has been reduced to a very minimum, so that a non-trained practitioner may be able to understand the information given. I have consulted several databases and catalogues of manuscripts in order to ineffectively identify any other extant version of this text.

W, ff. 58v-61v, is the work of a single scribe under the contemporary heading ‘For blode lattyng’. The text is written using a cursive hand mixing letters from the anglicana formata and the secretary scripts in a sort of brownish ink; in some portions of text the ink is clearly fading away. The style in our manuscript item shows looped descenders, as in the case of the letter <y, h, j, x> and the ampersand <&>, for example. Instances of looped ascenders include some cases of the letters <s> and <f>, the letters <k, l, h> and some abbreviations. Letter <a> reflects the characteristic Anglicana double-compartment. Letter <g> also reflects the typical
Anglicana 8-shape. There are the 6-shape letter ⟨s⟩ and the tall ⟨s⟩. The forms the letter ⟨r⟩ shows in the manuscript are the short type and the long descender type. There is also the round ⟨r⟩, as used in the word *thorow*, for instance.

The contents of this item include the unfavourable days for bloodletting and when in the day bloodletting is recommended (ll. 1-12); the bloodletting veins, location of veins and their therapeutic associated benefits (ll. 13-187); and the virtues of bloodletting (ll. 188-191). As indicated in the notes, reference is made to Hippocrates through Isidore of Seville’s writing (ll. 2-3), probably from the appended item to Isidore’s *Etymologies*, i.e. *De initio medicinae* (Codoñer 18). A closer reading of the text reveals that the *Etymologies*, including its appended item, does not seem to be the main source for *W*, ff. 58v-61v.

There is, however, evidence that the source of our edited text might be the pseudo-Bedian *De minutione sanguinis sive de phlebotomia*. Even if our Middle English text is not evidently an accurate witness of the *De minutione*, information on the favourable and the unfavourable days for practising bloodletting might have been taken from this text, as shown in the following excerpts, which additionally shows the influence of astrology on surgical procedures:

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| Page | Text |
|------|------|
| 35   | Seth ye autorite of Ypocras, ye noble phisiciane Ysoder tells yat yer be thre days in ye zere jn ye whilk dayes a man ne sall noght be lett blode. And these bene ye dayes: the 8 kalender of April, the forth day of August, the laste day of Decembre (*W*, f. 58v). |
| 36   | De ambis temporibus incidimus, propter effusionem oculorum. De subitus lingua, duas propter rheuma gingivarum, vel vitia oris, et dentium dolorem (*De minutione* in Giles 350). |
| 37   | The two vaynes vnder ye tonge serues for swetyng & fluxes & totheache & gommes and rewmes of the hede & appostems and squisies of the throte & for swonnynges & sikkynges & ye cowth & for ye wikkkyd euele & for all vices of the mouthe (*W*, f.59r) |

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*W*, ff. 58v-61v, is written in English throughout, and to my knowledge, dialectal provenance has not been yet confirmed, and *W* has not been considered for localisation in the LALME, either. Evidence based on this manuscript indicates a northern stratum, especially Westmorland in Cumbria.

As to language use, nouns in this text do not present traces of Old English inflections, except for marking the plural and the genitive form. The inflectional endings for the plural are –*s* and –*n* (numbers in brackets refer to lines in the edition), as in *vaynes* (8) and *eene* (24), respectively. These two inflectional ways of forming the plural may be used for the same word at the same time: *bones* and *bonen* (66), *armes* (10) and *armen* (80), *vaynes* (8) and *vaynen* (123). The genitive is also marked with –*s*, as in *a womans flowres* (152), *ballokkes stones* (126), although zero marking is also possible, as in *ballok stones* (163). Mutated plurals as the result of an earlier i-umlaut have been also identified, as in *fete* (12)/*feete* (151) and men (132).

Adjectival distinctions concerning gender, case and number are not retained in this text (cf. Horobin and Smith 106). Adjectives appear to be invariable, and
there is no trace of the OE strong/weak distinction on these forms: vnclene (8), gude (19), straaye (82), lytyll (115), cold (173), right (173). Degree is expressed in this text by means of synthetic devices: –er for the comparative, as in lawer (129) and –mare (122), and –st for the superlative, as in myddest (13). There is also the use of best (111) and next (41) as a case of irregular superlative. As to adverbs, these are formed by the addition of the OE adjectival suffix -lic, also used with final –e to form the adverbial form.

Pronouns in the text include: (a) personal: 3s, neuter: jt (7), it (19), gen. masc.: his/ys (110); 3s obj. masc. hym (171); 3pl.: yai (78); gen.: yair (158); obj.: yane (158); (b) indefinite: one (71), other (69); (c) partitive: ylkan (34); (d) demonstrative: these (5).

Articles are ye (2)/ the (25), and ane before words with vowels initially, as in ane eyyle (14).

Verbs in the infinitive have generally no specific endings, although forms may carry final –e and one case of –en as the result of inflectional levelling from Old English –an ending for the infinitive. These forms may cooccur with (for) to: for to wete (7), for to clens (27), to blede (64), and for to staunchen (151). The verbs for the present tense indicate show inflectional endings for the indicative third person singular and plural. Forms include 3s –is, –ys and –es, as in hauntis (92), tellis (3), seruys (55), serues (71), and 3pl. –yn, as in clepyd (133). These forms suggest, as already pointed out, a northern stratum for W, ff. 58v-61v. Present subjunctive apparently carries no additional person marking, and its form is alike the indicative simple past. There is the only instance of 3s swone. The imperative is like the infinitive with or without the ending –en: wessch (168) and bathen (176).

The passive is made up of the verb to be in the infinitive or in its obliques; the past participle endings are weak –ed, –id, and –t; and strong –n: is called (18), i clepyd (84), be latt (133), be lattyn (10). The verb to be is: subjunctive be (170); 3 s prs. ind. ys, is; 3 pl. prs. ind. bene, or. Preterite-present verbs in this text are moie ‘s. may sg.’ (167), may ‘may pl.’ (157), mete ‘might’ (78), mot ‘must’ (38), most ‘must’ (68), sall ‘shall’ (134), shall (169), shuld ‘should’ (10). These forms have been attested in areas of the North, except for the variant mete ‘might’ that is not registered in the LALME. The forms shall and shuld are not very common in the North from which this text seems to be. The variant shall in this area is very distinctive occurring only in five LPs. One of which corresponds to the dialectal area of Westmorland.

This state of the language roughly confirms the catalogue date for this manuscript entry, i.e. the 15th century, although, particularly, in the case of the item edited here, an approximate date should be some point in the late 14th century. This is also supported by the dialectal localisation of this text which shows some degree of standardisation although a number of colourful forms still persist.

The linguistic profile (LP) given below has been designed following the directions in the LALME and localisation has been performed focusing on the information in this LP and on the morphological evidence described earlier. Sporadic forms are given within triple brackets.
| Table 1. LP Wellcome Library, MS 5650, ff. 58v-61v |
|-----------------------------------------------|
| THE                                          | ye                         |
| THESE                                         | these                      |
| IT                                           | it, yt                     |
| THEY                                         | yai                        |
| THEM                                         | yane                       |
| THEIR                                        | yair                       |
| WHICH                                        | ye whilk                   |
| EACH                                         | ylkan                      |
| MAN                                          | man                        |
| ANY                                          | any, ony                   |
| MUCH                                         | mekill                     |
| ARE                                          | bene (((or)))              |
| IS                                           | is, ys                     |
| SHALL sg                                     | sall, shall                |
| SHOULD                                       | shuld                      |
| AGAINST                                      | agayn(e), (((asene)))      |
| NOT                                          | noght                      |
| THERE                                        | thare, yer                 |
| MIGHT vb                                     | mete                       |
| THROUGH                                      | yorow, thorow              |
| BETWEEN adv                                  | bytwix, betwix             |
| CALL vb                                      | call-, clep-               |
| DAY                                          | day                        |
| DAYS                                         | dayes                      |
| EVIL                                         | euel(e), euyle, euyle      |
| EYE                                          | een                        |
| EYES                                         | eenen                      |
| FIRST weak adj                               | fyrste                     |
| GOOD                                         | gude, gode                 |
| HAVE pres                                    | haue, hafe                 |
| LOW                                          | lawer                      |
| [C]OLD                                       | cold, cald                 |
| ONE pron                                     | one                        |
| OTHER adj.                                   | other                      |
| TWO                                          | two                        |
| WIT inf KNOW                                 | wete                       |
Dialectal localisation of the text has been carried out focusing on the LP in Table 1, as already said, and also on the dot maps in the LALME. The LP shows some distinctive Northern features. The forms for bene and or are found in this area. In the case of the former, it is attested in the dialectal regions of Yorkshire and Westmorland. As to the latter, this form does not appear in the LALME. The form SHALL: sall is quite spread in the North, and SHALL: shall is more exclusive in this area and is registered in the LALME in Westmorland and Northumberland. The form shuld is recorded in specimens from Durham, the Isle of Man and Westmorland. Another defining feature is agayn ‘against’. This form is not widespread in the North and appears in Westmorland and Yorkshire. The form azene is not a northern feature, and it has been attested in the county of Norfolk in the LALME, and this might suggest that this form is a variant as the result of copying from an exemplar or a variant as the result of the scribe’s own idiolect (cf. Benskin and Laing).

The localisation of the word thare ‘there’ has been found in the areas of Durham, Lancashire, Westmorland, York, and Lincolnshire. The form betwix ‘between’ in its current manuscript form in two words is extensively used in Westmorland and neighbouring areas. The forms gude and gode for the item GOOD have been registered for several counties of the North, including York, Lincolnshire, and Durham, among others, and the region of Westmorland, where both gude and gode coexist. The same happens with the variants hafe and haue, being the second of these far more popular than hafe in areas of the North, although both forms have been attested in documents of the Westmorland area.

The word lawer for the item LOW is localised in some areas of the north-east of England to Cumberland, Westmorland and Lancashire. The distinction <a/o> preceding the homorganic consonant cluster <-ld> keeps both variants in the text edited here, hence cold, cald (see Jordan-Crook 92 for the cald variant). The form with a is basically found in areas of the North. In the text, another form with a from its ancestor Old English long sound /a:/ is identified, i.e. –mare in the word ouermare (122-123). All these features confirm the Northern stratum of W, ff. 58v-61v, specifically the region of Westmorland, as suggested by the number of variants in the edited text localised in this area. A comparison of the LP designed here with LP 389 in the LALME is clarifying. Actually, this LP 389 also includes evidence of fortition of the voiceless interdental fricative represented in spelling by <-th> in numerals into voiced or voiceless plosive sounds represented in spelling by <-t> or <-d>. In W, the form seuened ‘seventh’ suggests the same process of fortition.

The lexicon of W, ff. 58v-61v, reflects the type of words that are representative of this type of medical technical texts, even if, as already pointed out, jargon has been kept to a minimum in order not to hinder understanding to the non-professionals. The vocabulary used in this text suggests different traditions. This encompasses the names of sicknesses, plant names, medical products and implements. These lexical items display a high influence of Latin (or Greek via Latin) and French. Some examples taken from the text may illustrate the influence received from these languages (information has been drawn from the Oxford English Dictionary and the Middle English Dictionary): colica passio < ML colica passio; mygrayn < OF migrai(g) ne (<L hemicrania < Gr hemikrania); apostemes < OF aposte, apostume, empustome
and ML apostema; jaundes < OF jaunice, gaunisse and AN jauniz; feuers < OE fefer < L febris; kancer < OE cancer < L cancer; < medieval squisies < Latin squinancia, -antia, apparently formed by confusion of Greek συνάγχη and κυνάγχη; venegre < OF vinaigre, vinagre and AN vinegre, vinegar; and spices < OF espece, espi(e)ce, espis(c) e and AN spece from L species.

5. EDITION

A set of editorial principles has been followed in the edition of W, ff. 58v-61v. The scribe’s own spelling conventions have been fully respected throughout this edition, including cases of variation to avoid concealing dialectal information. Variation in the use of <u> and <v> to indicate either a vowel or a consonant quality has been retained. The vowel sound represented by the letter <i> in the PDE word list can be either <i, j> or <y>. These are also shown in the edition.

Abbreviations are expanded in conformity with the rest of the manuscript’s spelling, and these are indicated using italics for reasons of their dialectal significance. Otiose marks in script have been excluded from the transcription, but abbreviation marks have been identified with reference to similarly spelled-out words used in the recipe book. These abbreviations are curly strokes to indicate the omission of a final -er, a sort of upturned <ǝ> to signal -es/-ys, and tildes that indicate a missing nasal sound as in the word man. The ampersand symbol <&> has also been retained in the edition. Supralinear letters, normally <t> and <e>, are also shown.

The scribe quite often uses word boundaries, which are meaningless in PDE. In this edition, I have amended those misdivisions, as I have not clear evidence that division has been purposefully intended by the scribe in all the cases. These words are a for, a boute, a bove, a gayne, a ȝene, be bynd, be twix, blodelattyng, hede ache, with in, and with oute.

As to punctuation in the original, the scribe of W, ff. 58v-61v, uses several times the punctus, the virgula suspensiva, and the hyphen to establish periodic division within the text. These marks indicate the structure of the text, as well as the reading pauses. Paraph marks are deployed as marginal notes to signal therapeutic directions related to bloodletting.

Punctuation in the edition is editorial. Some uses of the punctus reflect PDE use of the point. The same applies to the simple and double virgule, and a PDE point has replaced this punctuation mark. Occasionally, the virgule and the punctus combine to indicate a same kind of segmentation. In these cases, a PDE point is also used. Other times either the punctus or the virgule may appear after an adverbial phrase, in sequences of any type of phrases, and before the word and (in phrases and clauses). All these instances of the punctus or of the virgule are a PDE comma or nothing in the edition. The punctus surrounding numerals have been removed from the transcription. The genitive is left as it stands in its manuscript presentation, without apostrophe, e.g. mans mynde rather than man’s mynde (f. 60v).

The paraph marks in the margins have been retained as these are considered contemporary visual aids. There is one case of a triple virgule in the original to
separate off two simple sentences. This mark is a point in the edition. An editorial colon has also been added. Capitalisation follows PDE conventions, and \textit{ff} in initial position has been reduced to minuscule single \textit{f}, except in the case of the word \textit{feuerger}, which is capitalised, thus \textit{Feuerger}.

The folio numbers are included in the edited text, and each line corresponds to a line in the manuscript. Lines are editorial and are given in the margin as a reference aid to follow the description of the text given earlier in this paper.

58v For blode lattyng.

\textit{Seth} ye autorite of Ypocras, \textit{ye} noble phisicians Ysoder tellis yat \textit{yer} be thre dayes in ye \textit{yer}e jn ye whilk dayes a man ne sall noght be lett blode. And these bene \textit{ye} dayes: the 8 kalender of April, the forth day of August, the laste day of Decembre. It is for to wete yat all the vaynes of ye hede yai bene vnclene after mete, saue onely ye vayne \textit{vnder} yr chyn.

Also ye vaynes of the armes shuld be lattyn blode afor mete. And ye vaynes of ye handes \& of \textit{ye} fete after mete.

The vayne in \textit{ye} myddest of the forhede \textit{serues} for hedeache \& for \textit{ye} mygrayn yat is ane euyle \textit{ya\textsuperscript{e}} takes halfe \textit{ye} hede \& makes it to ake.

And also for the litarge \textit{ya\textsuperscript{e}} is ane euyle \textit{ya\textsuperscript{e}} makes a man to forgete al yat he heres and \textit{ya\textsuperscript{e}} commes yorow a postym yat is called litarge. And it waxes behynd ye hede. And it is gude for \textit{ye} fransye \& wodenes, and for \textit{ye} brayne yat is defouled, and for newe meselry.

The two vaynes in \textit{ye} temples a[t] both partes of the hede \textit{serues} for akyng of the dece eres and for mekill watterynge of \textit{ye} eene and agayne grete hete of the temples.

The two vaynes behynde \textit{ye} eres \textit{serues} for to make a man haue gude mynde \& for to clens \textit{ye} face \& for ye spottes in \textit{ye} face \& for rewms \& filthes of the teth \& \textit{ye} gomes \& for all vices of \textit{ye} mouthe.

\footnote{There is an indication for the later addition of a hanging initial, i.e. <s> given in minuscule in contemporary hand, same script and ink. This initial has been, therefore, added in this edition.}

\footnote{eth dece}
The two vaynes in ye eres within servues for tremelyng of the hede & stoppyng of the hede & for tyngelyng of ye eres & for newe defenes.

The two vaynes in ye nekk ylkan of yane servues for all swellynges & superflewites of ye cheuwynges teth & gomes & chekes and for boches & appostymes of the throte within & withoute & yat blodelattyng mot be done with grete sotelte.

The two vaynes in ye two cornes of ye eres next ye nose servues for derkenes of ye een & for webbes & clowdes & pynnes of ye een & for all fluxes & greuans of ye eene.

The vayne of ye topp of ye nose servues for hedeache & for ye flux of ye eene & of the heuede.

The two vaynes yat bene in ye jowes of the mouth servues for schewes of ye face & for schabes & schab of ye heued.

The two vaynes vnder ye tonge servues for swetyng & fluxes & totheache & gommes and rewmes of the hede & appostems and squisies of the throte & for swonnynges & sikkynges & ye cowth & for ye wikkyd euele & for all vices of the mouthe.

The vayne in ye hole of the nekk servues for hedeache for wodenes & fleble mynde and fluxes & rewmes of the brayn & of ye forhede & for all the hede.

The vayn vnder ye chyn servues for swellyng & akynge of ye iowes & of ye pappes & ye breste & for rottyng & stynkynges of ye nosethrylles & boche in nosethrelles.

The hede vayne of both ye armes ache of yane is gode to blede for hedeache & for destres of ye hede & for greuans of the shulder bones & akynge of ye rig bone & foulfallynges & swellynges & fluxes of ye een & wikey deuel ane yis bledyng most be specially befor all other tymes of ye yeer vpon ye seuened day of ye moneth of May.

63 ache] ak-ache
The two medil vaynes of ayther arme one servies for alle sorwes & defautes greuance & passions & cardiacles of ye hart & for ye brest & ye stomak & ye ribbes & ye sydes & for all ye membres with in ye body & for all vices of ye lunges & stoppyng yat makes a man haue strayt breth & stykynge, & specially yai mete bile ye fifte day of Septembre.

The two vayns in ye sercle of ye elbowes on ayther arme one servies for akyng of ye brest & for ye lunge & for ye mydrife & for strayte breth & for ye tisik & for ye crampe & for akyng of ye worme yat is clepyd colica passio.

f. 60r The vayne bytwix ye lityll fynger & ye leche yat is next on ayther hande servies for swel-lynges of ye stones & of ye brest & for wlatynges & for ye jaundes & for all vices of ye mylte yat commes thorow feuers or any other causes

The vayne betwix ye thome & ye next fyng on ayther hande servies for hedeache yat hauntis a man, & namelyche ye vaynes of the thome. Ye fyrste ven-nes or gude for all feuers, & namely for ye quarten, for schedyng of ye gall, & for wikkyd brynnyng, & for a rede nose, & for flux of teres in ye eene.

f. 60v The two vaynes on ayther side one of ye body bene clepyd craluestelle & yan bene
about ye lytyll fynges and servys for ye hanches & for ye eenen & for ye face & for other partes of ye body.

The two vaynes in ye thees with in on ayther hempp servys for akynges of ye reynes & ye bleddes & for all maner of gowtes & dropsies and shrynkynges & swellynges of all ye body.

There bene two vaynes on ye pyntell ye ouer-mare vayne servys for ye crampe & for ye euel ȳ is callyd Collica Passio ȳ is a swellyng in ye wombe & wynde horlynges & for all maner swellynges of ballokkkes stones & for ye wombe & for ye stonen euele & for ye bledder & for ye reynes.

The vayne lawer on ye pyntell next ye huske is gude for ye dropcy & all his spices.

There bene two vaynes thre fyngers mele above ye knees on ayther kne, one yat men clepyn “sagittes”. If yai be latt blode, ye man sall dye on one sodenly with leyhyning. Bewar of yat.

The two vaynes under ye knees in both ye legges yat is in ye harms, yai servy for all passions & ye defaute of ye reynes & ye bledere & for f. 61! ye longes & entrayles agayyne boches and postemes & swellynges & rotynges of the thees & legges, & specially agayn ye goute in the heppes & ye legges handes & fete.

The two veynes on ye lytyll too ayther fote one servys for ye reynes & ye bledder & for the gendrynges membres & for ye palsie & for all euele goutes.

The two vaynes vppon ye grete too on ayther fote one servys for whebbes & spottes in ye face & for all greuance & apostemes & boches & a gayn ȳ kancer & ȳ fester ȳ commes in ye theis & legges & shennes & feete & for to staunche a womans flowres.
The two vaynes vnder ye inner ancles on ayther fote one serues for sande in ye bledder & for ye stonen & for women yat bene noght clene purged after child berynges & for women yat may noght consayfe, and also for to make yane hafe yair floures when yai bene stopped.

The two vaynes vnder ye ytterer ancles on ayther fote one serues for greuance of the hanches & ye longes & ye reynes & for swellynges & boches & apostemes & for ye ballok f. 61v stones & for lattyng off vryne & for ye chaudpysse.

When any vayne shall blede on ye fete, ¶ ye fote moie be sett in hote water.

If ony swone for bledynges & it be wynter tyme, wessh his face with hote water & ye palmes of his handes & ye soles off his feete.

And if it be somer tyme, wash hym wi'h cald water & make hym brake & put to his nose yeyll pulioll & mynte & horsement & spryng cold aysell or venegre on his nakyd side.

And if ye place swelle yat bledys, take oyle & louke water in wynter & lay to wi'h a cloute. In somer bathen & froyte ye soles of his fete with cold water.

And fro saynt Petres day in Feuerzer into ye vtaues day of ye assumpcion, vse the on ye left syde.

The vertues of blodelattynge. It kepys a mans mynde. It brynges it aygan. It clensys his bledder. It tempers his brayn. It hetys his marow. It copyus his heringes.

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167 61v] venerabil; marginal note located in the header section of the page written in a different hand and different ink; also the word venerbil, blurred –intentional rubbing-off. 181 left | lest.
6. GLOSSARY

The glossary includes all the words contained in the edited text whose spellings and/or meanings differ in any aspect from PDE and may cause confusion in the interpretation of the text. The order is alphabetical. There is no conflation as regards alternative spellings. Thus, variants like <j>, <y>, <i>, for instance, are entered as they appear in the MS. For ease of reference, I provide the line where an instance of each entry appears. For the glossary, I have mainly used for reference the MED and the OED, though some other sources have also been consulted, such as the editions by Mowat, Henslow, Ogden; and as the manuals by Hunt, Norri (Names of Sicknesses and Names of Body Parts).

The following abbreviations are used:

| adj. | adjective | e | early | ppl. | past participle |
|-----|-----------|---|-------|-----|----------------|
| adv. | adverb, adverbial | fem. | feminine | pron. | pronoun |
| art. | article | gen. | genitive | prpl. | present participle |
| aux. | auxiliary | imp. | imperative | prs. | present simple |
| comp. | comparative | ind. | indicative | subj. | subjunctive |
| conj. | conjunction | L | Latin | sg. | singular |
| def. | definite | n. | noun | sup. | superlative |
| dem. | demonstrative | pers. | person | v. | verb |
| dvbln. | deverbal noun | pl. | plural |

appostymes: n. pl. a gathering of purulent matter in any part of the body; a large deep-seated abscess #37.
ayther: pron. either #91.
blodder: n. bladder #100.
blodymenson: n. discharge from the bowels containing blood #99.
boches: n. a hump, a swelling, a tumour #37.
cald: adj. cold #171.
cardiacles: n. pl. from L. cardiaca; a malady characterized by pain in the heart and palpitation; also, a disease characterized by feebleness and profuse sweating; #73.
chaudpysse: n. A urinary or venereal disease #99.
cloute: n. a piece of cloth #175.
craluestelle: prob. the subclavian vein and artery #116.
defautes: n. lack #72.
defouled: n. damage #20.
destres: n. pl. the right hand #65.
dropcy: n. A morbid condition characterized by the accumulation of watery fluid in the serous cavities or the connective tissue of the body #130.
een: n. s. eye #41.
euyll(e): n. pain #16.
Feuerȝer: n. February #178.
flebe: adj. feeble #56.
fransye: n. insanity, delirium, madness, mental derangement #19.
froyte: v. rub #176.
greuans: n. see greuaunce #105.
7. CODA

This paper proposes an edition of a hitherto unedited fifteenth-century English text on phlebotomy. This text has never received scholarly attention, and there is, therefore, no information as to its language, dialectal provenance, or early history and affiliation. This article fills the gap and offers this information. The poor physical condition of the manuscript volume calls for an immediate action to preserve codicological and linguistic details. One important finding of this study concerns the sources of W, ff. 58v-61v, which cannot be safely attributed to Isidore of Seville, as referenced in the original text. I have found, however, some evidence relating this text with the pseudo-Bedan De minutione sanguinis sive de phlebotomia, which, like our text, contains astrological information useful for bloodletting procedures.
A study of the language of the text has been very helpful for the dialectal localization of the text of W, ff. 58v-61v. For this purpose, a linguistic profile of the scribe has been done using a questionnaire to evince highly dialectal forms. Many of the variants obtained reveal the Northern stratum of this text, and I have suggested the region of Westmorland as a likely area of provenance. This information might be of use as an addition to the data for this county already given in the LALME in other new localizations of Middle English documents.

As pointed out in the introduction of this paper, editorial work here has greatly followed the tradition of mid-twentieth century editors of medieval texts. The purpose of doing this is to provide cultural, paleographic and linguistic evidence to understand and contextualize the text. Editions like the one presented here are also beneficial for students and for researchers, not exclusively in (historical) linguistics, but also in the history of sciences. If otherwise as it stands, a fresh and tailor-made version of this text can be produced after the edition presented here in order to be included in larger compilations of similar texts for computerized linguistic research.

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