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TRABAJO DE FIN DE GRADO

A Corpus-Based Approach on Gerontological Terminology

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Abstract:

This paper focuses on analyzing and comparing the terminology extracted from two

comparable bilingual corpora based on abstracts and information articles. Both corpora

deal with the field of gerontology. It aims to depict the criterion followed to compile the

corpora; to show how these corpora have been used in order to extract the useful

terminology and create a glossary; and, to analyze and compare the results. Moreover,

another objective of this study is to shed some light in this field to which little attention

has been given in terms of corpus analysis.

Keywords: Gerontology, elderly care, comparable corpus, AntConc, medical

terminology

Resumen:

Este estudio se centra en el análisis y posterior comparación de la terminología extraída

de dos corpus bilingües comparables basados en resúmenes y artículos de información.

Ambos corpus tratan sobre el campo de la gerontología. Tiene como objetivo, explicar

el criterio que se ha seguido para recopilar y crear los corpus; mostrar cómo se han

utilizado estos corpus para extraer la terminología y crear un glosario; y, analizar y

comparar los resultados. Además, otro de los objetivos de este trabajo es arrojar algo de

luz en el campo de la gerontología ya que no es muy conocido en el ámbito del análisis

del corpus.

Palabras clave: Gerontología, cuidado de ancianos, corpus comparable, AntConc,

terminología médica

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1. Introduction

The studies based on corpus analysis have increased in popularity in recent decades to "support empirical investigations of language variation and use, resulting in research findings which have much greater generalizability and validity than would otherwise be feasible." (Biber 2012, 1) This approach is used to study languages for specific purposes (LSP) for instance, Fijo León and Fuentes Luque (2013) used a corpus-based approach for compiling, analyzing and translating rural tourism terminology. Aditionally, Li (2017) based her corpus approach in legislative texts in order to identify vague language. Grundmann and Krishnamurthy (2010) used the corpus-based approach to analyze data from the US, the UK, France, and Germany dealing with the discourse of climate change, while Skorczynska Sznajder (2010) in her study made an evaluation of metaphors in a business English textbook. Therefore, the importance of a corpus-based approach is significant since it analyzes specialized languages which are highly complex.

Many studies based on corpus dealing with medicine (Biber et al., 1998; Swales, 1990) have been carried out with different approaches. They often focus on specific documents used in the field of medicine, for instance Martínez López (2009) analyzed Spanish and English medical legal documents with terminology related to assisted reproduction, or the case of Faya Ornia (2015) whose work is based on the contrastive analysis of Spanish and English medical leaflets. Moreover, another approach is that of using corpora to analyze the grammatical aspects of the texts. Thus, Ferguson (2001) examined if-conditionals in naturally occurring English medical discourse in three different text genres, and López Rodríguez (2000) studied cohesion in biomedical texts in Spanish. In addition, many research studies have been carried out referred to different medical specialties — psychology (Akbarian et al. 2017), nursing (Staples 2015); however, there is a lack of studies regarding the field of gerontology. Hence, this work is focused on this field, more precisely in the translation of its terminology, since the growing popularity of understanding the aging process has increased the demand for translations.

Our undergraduate dissertation is innovative since it tackles a corpus-based study in a subfield of medicine that has been barely researched, and it analyzes two different textual genders. The current study focuses on a specialized language, ie medical discourse in English and Spanish and, as stated above, it focuses solely in the field of gerontology, that is, that which deals with the study of aging, and involves experts from many scientific fields. This project aims to (1) make a contrastive analysis between two different types of texts and two different languages in order to see the differences and similarities of the terminology found in both types of texts, and (2) provide a glossary which can help researchers or translators to identify some English terms with their equivalents in Spanish.

To achieve the aforementioned objectives, first of all, two bilingual comparable corpora have been built. The first bilingual corpus is made up of abstracts and consists of two monolingual corpora, one in English and the other in Spanish. The second bilingual corpus deals with information articles and also includes two monolingual corpora, one in English and the other in Spanish. The texts were compiled from different online resources such as the *US National Library of Medicine* or the *Revista Española de Geriatría y Gerontología*. After compiling all the corpora, these texts have been analyzed by using two different analysis toolkits, AntConc and TermoStat. Based on the results obtained in the analysis, we created a glossary with the terminology extracted from the corpora. This glossary is made up of terminological sheets containing information such as the grammatical category or the contextual fragment of a term both in English and in Spanish.

In order to accomplish this study, we have structured our paper as follows: in section 2 we carry out a theoretical review of diverse aspects which are relevant to our study. First, we provide information about different aspects of LSP. We also pay attention to medical discourse and its specific characteristics. The section ends making reference to the field of gerontology, which is the one to which our study relates. The next section, section 3, deals with the methodology followed in order to perform this study. It portrays the design, compilation, and exploitation of the corpora as well as the creation of the glossary. Section 4 presents the results obtained in the research, first in a general way and then individually. Then, section 5 discusses the results found in the previous

section against the information provided in section 2. Finally, section 6 presents the conclusions of the study.

2. Literature review

The concern of understanding the aging process has created the field of gerontology that studies "the biological, psychological, and social aspects of aging" (Hooyman and Kiyak 2008, 3). Gerontology comprises experts not only from the field of medicine but also from other fields such as biology, nursing, or sociology. Hooyman and Kiyak state that "these individuals are concerned with many aspects of aging, from studying and describing the cellular processes involved to seeking ways to improve the quality of life for older people" (2008, 3)

As Butler states "gerontology emerged in the mid-1940s and 1950s" (1983) and has become very popular nowadays since life expectancy has strikingly increased. Due to this popularity, ample bibliography has been produced (Aiken 2015; Cavanaugh and Whitbourne 1999; Katz 1996). Because of this increasing production, many of the texts need to be translated so that they reach a larger number of readers. But from linguistic point of view, little attention has been paid to this field. For this reason, our work delves into gerontological terminology in order to (1) make a contrastive analysis between two languages and two text genres, and (2) built a glossary with that terminology.

The following section portrays the theoretical information for the understanding of this study. It begins with a brief introduction to LSP in general to establish the basic aspects of specialized languages and give way to medical language which is explained in the next section. Furthermore, medical terminology is presented as well as its translation procedures and problems. Finally, the different types of corpora are shown.

2.1. Language for specialized purposes

According to Cabré, general language (GL) is a group of rules, units, and restrictions known by almost every speaker of a given language (1993, 128). On the contrary, LSP is the language used to discuss a specialized subject field and is characterized by having some peculiarities (Bowker and Pearson 2002, 25; Cabré 1993, 129). While in English

there is a single term to define this specialized language, Spanish has different terms depending on the author. So, in Spanish, we can distinguish "lenguajes especializados" or "lenguaje de especialidad" (Cabré 1993, 128), or "el español profesional y académico (EPA)" (Alcaraz Varó, 2001) among others. Although there are different terms, both English terms and Spanish terms define the same thing; that is, a type of language that differs from the general language in terms of complexity and some vocabulary, and which is used in a particular subject field in order to avoid ambiguous communication.

There are many subsets of specialized languages within LSP as it "comprises texts belonging to different genres and registers" (Witczak-Plisiecka 2010, 317), but we are going to focus our attention on scientific-technical language since the medical language can be categorized as that. This type of language is characterized by being clear and concise. It uses specialized terminology full of technicalities from the field it is talking about and it also uses acronyms. These characteristics are going to be presented in the following section where we talk about medical language.

2.2. Medical language

The following section focuses on medical language. It portrays a brief introduction to the history of medical language, the different communicative settings of medical texts, the translation procedures followed when translating medical terminology, and the translation problems we can find regarding medical terminology.

After the Second World War, English has become the *lingua franca* of science being almost all the important journals or conferences in this language. But it has to be taken into consideration that the basis of medical language remains in Greek and Latin. Around the 2nd century BC, Latin started to be the language of culture and, eventually, became the language of science too. As a result, during the following centuries nearly all important works were published in Latin (Wulff 2014). In words of Imola Katalin (2017), in the 14th and 15th centuries, medical texts started to be translated into vernacular languages – French, English, German, Portuguese, and Spanish. Some of these languages such as English or German increased in importance and relegated Latin from its function of international language.

The medical language, as all the languages for specific purposes do, has some general features that make it different from the general language.

This can be distinguished from other languages by virtue of some specific grammatical, lexical, semantic and stylistic demands: universal nature, accuracy, objectivity, lack of expressiveness and emotion, clearly defined meaning and connotation in order to avoid any kind of confusion and allow universal communication, lexical monosemic, appropriateness and correction, and clarity and precision. (Ruiz Rosendo 2008)

It is important to distinguish the communicative setting where the texts are settled as that is one of the bases of knowing how to translate a term. The writer should take into consideration to whom the text is addressed as it is not the same addressing experts in the field than students. Jenifer Pearson (1998, 36-38) distinguishes three different communicative settings depending on the expertness of the people involved (writer-reader) named expert-expert, expert to initiates, and relative expert to uninitiated.

- 1. Expert-expert communicative setting: the writer and the reader share the same level of knowledge or an approximate one. The used terminology is understood by either parts so there is little or no need for explanations. Examples of this type of texts are specialized journals, academic books or research articles.
- 2. Expert to initiate communicative setting: experts from a subject field address to people who have not the same level of expertise. Some terminology is explained as the readers may be improving their knowledge in the field. Textbooks of a specific subject are one example of this type of texts.
- 3. Relative expert to uninitiated communicative setting: readers of this text type are not intended to have previous knowledge about the subject. The terminology is explained and the vocabulary used is more general. These types of texts are academic journals and information articles from web pages intended for the general public.

We have classified the medical terms (1) depending on what they refer to and (2) depending on whether they are simple or complex terms. In order to label medical terminology depending on what they refer to, we have followed Magyar's 2009 classification. He states that medical terms are grouped into six different categories:

- 1. Anatomical terms (cranium, mandibulum, mamma)
- 2. Names of symptoms and syndromes (*apoplexia*, *fibbrillation*)
- 3. Names of illnesses (*influenza*, *typhus*)
- 4. Names of materia medica, i.e. medical materials (*bolus armenicus, theriaca, opium*)
- 5. Tools and instruments used in medical procedures (forceps, gastroscope)
- 6. Verbs connect with medical activities, processes, and physiological phenomena (*collapsus, exitus, palpatio*) (as cited in Imola Katalin 2017, 5)

Following the aforementioned classification, terms can also be classified into simple-word terms or multi-word term; that is, "a *simple term* has just one word and is perhaps better named *single-word term* or monomial. Terms with two or more words may be called *multi-word terms* or polynomials." (Strehlow 1993, 89) Multi-word terms are important elements of medical language and are frequently found in medical texts. (Keranouv 1997, 399)

2.2.1. Translation procedures

There are different translation strategies we can follow in order to make an accurate translation of a text as well as of a term. Although these procedures are for translating complete texts, we can also apply them to terminological translation. Van Hoof (1999) classifies these translation procedures into four categories; transposition, modulation, equivalence, and adaptation.

- a. Transpositions: it is the most common procedure in indirect translation. It consists of replacing one part of the term with another part without changing the meaning of the term and it operates in grammatical categories.
- b. Modulation: it is a type of transposition and it consists of changing the point of view of a given term. There are a great variety of types such as concreteabstract, cause-effect or whole-part.
- c. Equivalence: it follows the same procedure as modulation, but it is applied to locutions, proverbs, clichés, etc.

- d. Adaptation: it is applied when there is not an exact equivalent in the target language, so it is replaced by a near equivalent.
- e. Borrowing: it refers to the terms which remain unchanged both in the source language and in the target language. We can find false borrowings, which are the terms that are not translated but used with different meaning, in the target language.
- f. Calque: it can be defined as the translation of a borrowing. There are two types: expression calques and structural calques.

2.2.2. Translation problems

We can find medical terminology that arouses problems when it is translated. This could happen because the given term has not an equivalent in the target language or because the term is not clearly defined. Also, following Van Hoof's (1999) classification, we have identified five different translation problems – the use of acronyms, the use of eponyms, synonyms and false friends.

- b. Acronyms: medical language uses many acronyms being this practice sometimes excessive. These structures are complex to identify from a language to another since they are sometimes maintained in their original language and other times they are translated. Consequently, we can distinguish four different types of acronyms: identical acronym in both languages, different acronym in both languages, nonexistent acronym in Spanish, and nonexistent acronym in English.
- c. Eponyms: the eponyms are terms which are formed with the names of scientist (Alcaraz Ariza, 2002). This type of terms cause problems when they are translated since (1) there are no established rules for translating them, and (2) some of the terms have not equivalent in another language. Continuing with Van Hoof (1999, 212-226), he distinguished some types of these terms such as banalized eponyms, identical eponyms in both English and Spanish, identical compound eponyms in both Spanish and English, lack of an equivalent in one language or identical eponyms but with a different meaning, among others.

- d. Synonyms: although one of the main features of medical language is the clarity of its terminology, there are many words that break this premise, having several synonyms. This makes the translator's task more difficult as he/she has to choose the correct equivalent.
- e. False friends: terms from a source language that are similar to another term in the target language but they do not mean the same.

2.3. The corpora

Biber et al. state that "corpus linguistics makes it possible to identify the meanings of words by looking at their occurrences in natural contexts, rather than relying on intuitions about how a word is used or on incomplete citation collections" (1998, 23). So, it searches for the context or contexts of the words in order to identify the meaning or meanings of that word. This is one of the advantages corpus linguistics has against other terminological resources, such as dictionaries.

It can be distinguished two types of research approaches within corpus studies: corpus-based approaches and corpus-driven approaches. According to Biber, the former "assumes the validity of linguistic forms and structures derived from linguistic theory. The primary goal of research is to analyze the systematic patterns of variation and use for those pre-defined linguistic features"; while the latter "is more inductive, so that the linguistic constructs themselves emerge from analysis of a corpus" (2012, 1).

Even though there are two different approaches in corpus linguistics, this study is going to focus only on the corpus-based approach as it is the one we have used for our research. Thus, Biber et al. distinguish four main characteristics for building this kind of corpus:

- it is empirical, analyzing the actual patterns of use in natural texts;
- it utilizes a large and principled collection of natural texts, known as a "corpus", as the basis for analysis;
- it makes extensive use of computers for analysis, using both automatic and interactive techniques;
- it depends on both quantitative and qualitative analytical techniques (1998, 4).

Following this line of thought, in the field of medicine, a large number of researchers have used a corpus-based analysis for carrying out their studies. One of the main uses of corpus-based approaches is the terminological extraction, as Martínez López (2009) did in her corpus-based study, which was based on medical legal documents composed by forms and standard documents, in order to build a bilingual glossary (English-Spanish) with terminology related to assisted reproduction. But this is not the only way to exploit a corpus. Deleger et al. (2006) made a study of word alignment in a parallel corpus for acquiring more French translations of English medical terms. They state that although UMLS Metathesaurus is multilingual, it is mostly composed by English terminology and that there is a constant need of enriching this database with terminology from other languages. Ferguson (2001) used the corpus-based study to examine if-conditionals in naturally occurring medical discourse in three different text genres – research articles, journal editorials, and doctor–patient consultations. Two of the genres are written and one spoken, allowing the comparison of the use of conditionals in speech and writing. López Rodríguez (2000) used a corpus to study cohesion in biomedical texts in Spanish.

As can be noted, there is a vast variety of studies concerned with corpus-based approach which can be exploited in different ways. Within the different uses of this approach, we can distinguish the following: terminological extraction, word alignment, or grammatical extraction. The uniqueness of our work lays in analyzing not only one type of text but two – abstracts and information articles – and including two languages – English and Spanish.

3. Methodology

This current section depicts the specific criteria followed to design and compile the corpora, the exploitation of the corpora, as well as the creation of the glossary. As it is said above, the study aims to (1) identify and compare the terminology used in two different kinds of texts, abstracts and information articles, dealing with gerontology and (2) make a bilingual glossary so that future researchers or translators can identify easily some gerontological terminology.

In order to do this, in the first place we have compiled two comparable bilingual corpora which are divided into four monolingual corpora. Each bilingual corpus

contains a monolingual corpus in English and a monolingual corpus in Spanish. The data was manually compiled from various online resources dealing with gerontology. On the one hand, the abstracts were obtained from online specialized magazines, such as the *US National Library of Medicine* or the *Revista Española de Geriatría y Gerontología*. On the other hand, the information articles were obtained from web pages dedicated to gerontology, such as *Aging Parents and Elder Care* or *El Rincón del Cuidador*. Then, the data was extracted and analyzed by using two different analysis toolkits – AntConc and TermoStat. Finally, a glossary containing terminological sheets was created.

3.1. Corpora design and compilation process

The present section describes the criteria followed to design and compile the corpora. It has to be noted that all the compiled texts for this research are written in American English. It is worth noting this since there are some terms which are written differently or they have various meanings within the different varieties of the English language. So, we considered it something to take under consideration when searching for data.

As Sinclair states, "the beginning of any corpus study is the creation of the corpus itself." (1991, 13) Therefore, the first thing the researcher needs to do is to state the topic of the corpus; the topic is influenced by the kind of study the researcher wants to carry out, and the questions the researcher wants to answer. The corpora created for this study – abstracts and information articles dealing with gerontology – will allow us to analyze the terminology used in these two types of genres.

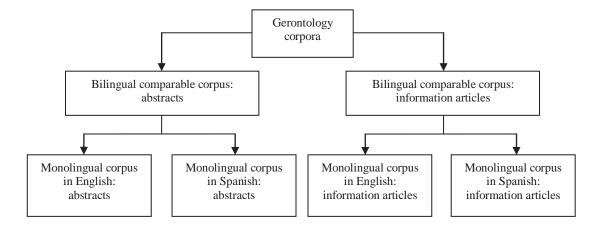


Figure 1: Tree diagram of the corpora

Figure 1 shows in a tree diagram the criteria followed to classify the corpora. The corpora have been classified according to (1) the number of languages and (2) the function of the texts. The former labels the corpora as monolingual (only one language), bilingual (two languages) or multilingual (three or more languages). The latter "classifies corpora based on their intended purpose or function" (Mahadi 2010, 9)

Therefore, according to these classifications, this study is composed by two bilingual comparable corpora, each having one monolingual corpus in English and one monolingual corpus in Spanish. All the texts were originally written in English or in Spanish. Moreover, it should be pointed out that one of the bilingual comparable corpora deals with abstracts while the other deals with information articles.

The corpora were collected under some criteria which are determined by the goal these corpora wanted to achieve. It is therefore important to choose the most suitable information for the purpose or purposes of our project. For analyzing the criteria selected in this project, the guidelines provided by Bowker and Pearson (2002), in *Working with Specialized Language*, has been followed. Therefore, the number of words and texts, the genre, the communicative setting, the mode, the field and subfield, and the language are going to be analyzed hereunder. Table 1 summarizes the criteria followed to select the most suitable materials for this project.

Criteria	Corpus 1	Corpus 2
Level of specialization	Specialized	Specialized
Word tokens	42.431	35.807
Number of text	150	32
Genre	Abstracts	Information articles
Communicative setting	Expert-expert	Relative expert to uninitiated
Mode	Online written abstract	Online written articles
Field	Medicine	Medicine
Subfield	Gerontology	Gerontology
Language	English / Spanish	English / Spanish

Table 1: Corpus building criteria

The first aspect to be taken into consideration is the specialization of the language used in the texts which is described by Bowker and Pearson as "the language used to talk about a specialized subject field." (2002, 27) They also state that "it is actually more accurate to talk about LSP in the plural (i.e. languages for special purposes) since different LSPs are used to describe different areas of specialized knowledge." (2002, 25) As both corpora claim to analyze and contrast the specific terminology on the field of gerontology, specialized texts are needed.

The ideal size of a corpus has been discussed by many authors without coming to an agreement. For instance, Keulen and Peursen affirm that "the sample should of course be as large as possible, without becoming impractical." (2006, 90); Bowker and Pearson state that "there are no hard and fast rules that can be followed to determine the ideal size of a corpus" (2002, 45); and Flowerdew declares that "the size of the corpus is therefore of paramount importance and must be closely matched with the features under investigation" (2008, 25). Thus, the size of a corpus could vary from one another and this decision is something the researcher should determine. In this instance, 70.238 word tokens have been considered as an appropriate amount. As there are two different comparable corpora, the number of words has to be divided into two. Hence, the corpus dealing with abstracts has 42.431 word tokens, 26.901 in English and 15.530 in Spanish; and the one dealing with information articles has 35.807 word tokens, 20.527 in English and 15.210 in Spanish.

The number of texts also varies depending on the corpus. On the one hand, the comparable corpus of abstracts comprises 150 different texts whereof 92 are in English and 58 in Spanish. On the other hand, the comparable corpus of information articles includes 32 texts; 13 in English and 19 in Spanish. The difference between the amount of texts from one corpus to the other is significant since the abstracts are shorter in length than the information articles. Regarding the authorship of the texts, the corpora for this project include texts from different authors in order not to limit it to a single writing style or linguistic choice.

According to Pearson's classification of the communicative setting of specialized texts, they can be classified in three different ways: expert-expert communication,

expert to initiates, and relative expert to the uninitiated (1998, 36-37). Thus, the abstracts used in this research are classified as expert-expert since they are written by experts in the field and are also addressed to experts in the field; this makes the terminology to be highly complex. Conversely, the information articles are classified as relative expert to the uninitiated, since they give information, in this case about elder care, to the general public.

All the texts used for the creation of the corpora were collected from online resources as online magazines or online information pages. According to the field and the subfield of the texts, as is stated above, they all belong to the field of medicine and concretely to the subfield of gerontology, which deals with elder people's health.

Finally, the corpora comprise English and Spanish texts which were originally written in those two languages. In other words, the Spanish texts are not the translation of the English texts nor the other way around.

3.2. Corpus exploitation

This section portrays how the corpora have been analyzed for the purposes of the research. Two sub sections are presented here: corpus 0 and corpus analysis toolkit. The first one explains how the data have been stored, while the second one illustrates how the analysis has been carried out and which tools have been used for it.

3.2.1. Corpus 0

A researcher has to consider the importance of storing the data for its study in an adequate way. For this reason, the production of a Corpus 0 is important. In the following section, we will explain what is a corpus 0 and how it is created.

Once we have determined the design criteria, the texts have to be compiled. As Sinclair affirmed, "it is advantageous to keep detailed records of the material so that the documents can be identified on grounds other than those which are selected as formative in the corpus." (1991, 20) For this, a so-called Corpus 0 has been designed; that is, a database with diverse information about each document compiled in the corpus. The creation of this database is a way of labeling the texts efficiently, allowing

the researcher to identify the texts individually. This also eases the work of identifying a specific text without needing to check all. Table 2 includes a sample of how these texts are stored; for further information, the entire list of the database has been included in the appendix section.

CODE	TITLE OF THE ARTICLES	NUMBER OF WORDS	DATE	LANGUAGE
AB_001_2013_EN	Changing the Course of Geriatrics Education: An Evaluation of the First Cohort of Reynolds Geriatrics Education Programs	330	2013	ENGLISH
AB_093_2017_SP	Perfil y manejo inicial de los ancianos atendidos por infección en los servicios de Urgencias hospitalarios	290	2017	SPANISH
AR_153_2016_EN	Preventing Alzheimer's Disease or Other Dementias	2.202	2016	ENGLISH
AR_165_2017_SP	Cambios posturales y movilización de personas en situación de dependencia	974	2017	SPANISH

Table 2: Sample of Corpus 0

The table is arranged in five parts which refer to code, title of the articles, number of words, date, and language. The code is the name assigned to each text sample and is divided into three parts which refer to different characteristics of the text. AB or AR refer to the type of text (abstract or article), the next three numbers refer to the number of the text, the following is the date of the article, and finally EN or SP refers to the language of the text.

3.2.2. Corpus analysis toolkit

After the criterion has been established and all the texts have been appropriately stored, it is time to start working with the corpus. Initially, the texts were stored in docx. format but this was changed to txt. since the corpus analysis toolkits only admit texts in that format.

The programs used for this study were AntConc and TermoStat. The former can be downloaded for free from its official site and it is defined by its author as "a freeware corpus analysis toolkit for concordancing and text analysis" (Anthony). It has been used to extract simple-word terms. The latter is a free online program but requires login in order to use it. It has the option of searching for simple-word terms as well as multiword terms, but only the second option has been used for this research.

Before starting to analyze the texts, it is important to determine the language in which the texts are since AntConc uses different encodings for each language. Hence, the default encoding – Unicode (UTF-8) – was used for the English texts, while this encoding was changed to Western "Latin1" (iso-8859-1) for the Spanish texts. We have done this because the default encoding does not recognize the words with graphical accent so it does not provide profitable results in Spanish.

When the texts to be analyzed are uploaded to AntConc, the program provides a word list that can be ordered in terms of frequency, word, or word end. As one of the aims of this work is to identify the most used words, both in abstracts and in information articles, the word list has been ordered by frequency being at the top the most used ones. Predictably, the most used words were adverbs or articles being them not useful for this research.

In order to remove from the list those words which were not required and thus leave only the lexical words, a stop list has been used; that is, a list where we include all the words we wanted to exclude from the analysis. This list of terms had to be stored also in txt. format and uploaded to AntConc in the 'tool preferences' section. We made two stop lists for this research, one in English and the other in Spanish.

The corpus analysis toolkit AntConc offers the possibility of counting individual words but not their variations, so the singular word 'patient' would be counted separately with its plural 'patients'. We have solved that problem inserting a lemma list in the program; that is, a list of terms with their variations stored in txt. format. This list makes the program count the terms included in that list with their variations. We created four lemma lists corresponding with the four monolingual corpora. Figure 2 shows how a lemma list resembles.

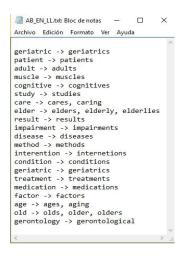


Figure 2: Lemma list example

For using TermoStat, all the aforementioned steps were not required since it is a less complex tool. After login in, the program gives the option of selecting the language – English, Spanish, French, Portuguese, or Italian – as well as the type of word to analyze – single-word terms or multi-word terms. As our study deals with English and Spanish terminology, the other languages were not required.

3.3. Glossary creation

As it has been previously mentioned, the current study aims to compare and contrast the terminology of two types of text corresponding both to the field of medicine. For this reason, a glossary has been made with terminology extracted from the corpora. Thus, the creation of the glossary and its parts are explained below in further detail.

We have used the word lists ordered by frequency extracted from AntConc as the basis of the glossary. Therefore, four word lists were extracted as four monolingual corpora were analyzed. The words we have included in the glossary were the ones appearing on the top of the list since they were the most used ones.

As Bowker and Pearson state "a glossary is essentially a list of terms in one or more languages." (2002, 137) The glossary created for this study is not only composed of a list of terms but a compilation of sheets containing different characteristics about a given term. These sheets are composed of six parts: language, field, subfield, term, grammatical category, and contextual fragment. An example of a term sheet is provided in Table 3. The complete list of the terminological sheets can be found in the appendix section, right after the corpus 0.

Language	English		Español	
Field	Medicine		Medicina	
Subfield	Gerontology		Gerontología	
Term	Help		Ayudar	Ayuda
Grammatical category	Verb	Noun	Verbo	Nombre femenino
Contextual fragment	Remember that the caregiver's role is to help them maintain as much control over their lives as feasible, not take it away; prescription drugs interactions.	What kind of help does your loved one need long term elder care?	Realizar ejercicio ayuda a minimizar las tensiones diarias y nos permite mantener la fuerza muscular, la coordinación y el equilibrio. 30 minutos de ejercicio al día son suficientes para mejorar la salud.	Los productos de apoyo ofrecen una importante ayuda externa a los cuidadores para superar la incapacidad de su familiar para realizar por sí mismo las Actividades Básicas de la Vida Diaria (ABVD).

Table 3: Example of terminological sheet

First of all the language of the term has to be set. Since the corpora built for this project are bilingual, the terminology is both in English and Spanish. It has to be taken

into consideration the fact that the Spanish terms are the parallel terms of the English ones but extracted from a Spanish corpus containing texts originally written in Spanish and not as translations of the English ones. This is the reason why the contextual fragments do not feet in both languages.

It is important to define the field where the term comes from since one term could have different meanings depending on where it is used. For instance, the word 'elder' in the field of medicine is translated as 'mayor' or 'anciano' referring to a person; while in agriculture it is translated as 'saúco' which is a tree.

The term section is where each term is identified. After that, the grammatical category has to be identified in both languages. In the example above, this section, as well as the successive ones, is divided into two parts; this results from the fact that the word, in this case 'help', is used, according to grammar, in two different ways. Therefore, an example of both uses is provided within the same term sheet.

In the contextual fragment, the term is put in context to see an example of how it is used. These examples are extracted from the corpora using the AntConc tool of 'file view'. Being able to see the terms in context is one of the advantages of a corpus in contrast with other terminological resources such as dictionaries.

4. Findings

In the following section, the findings of the research are going to be commented. The section is divided into two subsections, total results and individual results. In the former the overall results of the research are shown, while in the latter, the results are explained individually according to their characteristics.

4.1. Overall results

This section outlines the classification used to label the terminology. Firstly, the results have been sorted depending on the number of words, if is a simple-word term or a multi-word term; and then, they have been sorted by the number of equivalents of each term. We have made this classification in order to (1) see if there are more multi-word terms than simple-word terms, and (2) see how many equivalents each term has.

One the one hand, the terms can be classified as single-word terms or multi-word terms. Figure 3 reveals that out of 32 terms, 15 are simple-word terms while 7 are multi-word terms.

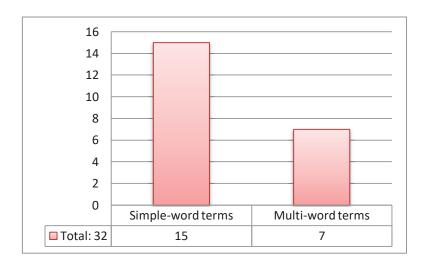


Figure 3: Terminology classification (I)

On the other hand, according to the number of equivalents (see Figure 4), the terms have been classified into three categories: 1 English term to 1 Spanish term translation, 1 English term to 2 Spanish terms, and 2 English terms to 1 Spanish term. Figure 4 discloses that there are 24 English terms each with a single equivalent in Spanish, 4 English terms each with 2 Spanish equivalents, and 4 Spanish terms each with 2 English terms.

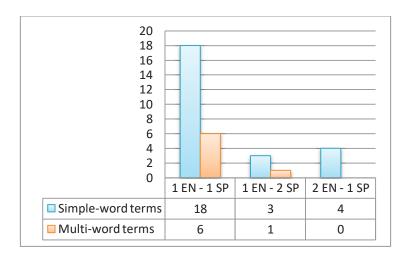


Figure 4: Terminology classification (II)

As can be seen, the number of simple-word terms found in the corpora is substantially higher than the number of multi-word terms. Also, the number of terms with a single equivalent is predominant over the other two categories. It has to be noticed that, no cases of 2 English terms to 1 Spanish term have been found in the corpora concerning multi-word terms.

4.2. Individual results

After analyzing the overall results found in both corpora, in this section the individual results will be commented. The classification followed in the overall results is going to be used in order to sort out the individual results; so, first of all, simple-word terms are going to be commented in the same order as the classification in figure 4, and then multi-word terms are going to be commented in the same order that the previous ones.

Most of the terms belonging to both simple-word terms and multi-word terms correspond to the group of one English term to one Spanish term, disease – enfermedad or risk factor – factor de riesgo. Nonetheless, there is also terminology which belongs to the other two groups mentioned in figure 4.

Regarding simple-word terms, in the category of 1 English term to 2 Spanish terms 3 results have been found: impairment – deterioro / alteración, health – salud / bienestar, help – ayudar, ayuda. We found two equivalents for the word 'impairment' which are 'deterioro' and 'alteración'. Both terms have been consulted in CREA (Corpus de Referencia del Español Actual) and the results have shown that while the former has been used 164 times in the field of medicine, the latter has been used 389 times.

In the case of the word 'health' the equivalents 'salud' and 'bienestar' have been found. As we have done with the previous term, CREA has been consulted and the results have shown that while the former has been used 1546 times in the field of medicine, the latter has been used only 93 times. Furthermore, CREA has the option of seeing the terms labeled by years. These statistics show that the word 'bienestar' is not used at the present time being it an old-fashioned word. It is remarkable the fact that the word 'help' has been found in two different grammatical categories, verb and noun. Due

to this, two equivalents appear in Spanish: 'help' as verb which is translated as 'ayudar' and 'help' as noun which is translated as 'ayuda'.

4 cases of 2 English terms to 1 Spanish term have been found, disease / condition – enfermedad (twice), elder / senior – mayor, and medication / drug – medicamento. In both corpora the words 'disease' and 'condition' have been found being their equivalent 'enfermedad'. In order to see which of the terms is more appropriate, COCA (Corpus of Contemporary American English) has been consulted. This corpus has not the option of sorting the information by field as CREA, so the information is not as exact as wanted. According to COCA 'disease' is a more used term, 56.970 times, than 'condition', 34.070 times. Furthermore, most of the uses of 'disease' were indeed related to the field of medicine while the uses of 'condition' were also related to other fields.

Both 'elder' and 'senior' have the word 'mayor' as equivalent. COCA has shown that the first one is used 5.642 times while the second one is used 34.079 times. As it is said above, these results belong to different subject fields and not only to the field of medicine. 'Medication' and 'drug' have the term 'medicamento' as Spanish equivalent. According to COCA 'medication' is used 8.402 times, mostly in the field of medicine, while 'drug' is used 64.518 times but with different equivalents; that is, 'drug' is used as 'medicamento' but also as 'droga'.

In relation to multi-word terms, all the terminology belongs to the group of 1 English term to 1 Spanish term. Nonetheless, as figure 4 shows, there is a term which belongs to the category of one English term to two Spanish terms. The term 'mild cognitive impairment' has as equivalents the terms 'deterioro cognitivo leve' and 'deterioro cognitivo ligero'. Also, in this case, CREA has been consulted, but the results have not been as expected since the first equivalents only appeared 9 times while the second one did not appear. In order to clarify which of the two equivalents is better, the words 'leve' and 'ligero' has been consulted in isolation. The results reveal that the former is used 253 times while the latter 52 times. Finally, the term 'wheelchair' has the term 'silla de ruedas' as equivalent; this is remarkable as the English term is a single-word term while in Spanish is a multi-word term.

It is worth to note that we have found that in our corpus, the English term 'nocturia' in Spanish is 'nocturia' as well. But when we searched for the word in a specialized dictionary, we found that the equivalent for 'nocturia' in Spanish was 'nicturia' instead of 'nocturia'.

5. Discussion

In the following section the results of our research are commented considering the theoretical aspects pointed in section 2 of our work. One of the main characteristics of medical language is the high use of multi-word terms. However, this study has shown that this is not true for our corpus as there is a higher number of simple-word terms than of multi-word terms (see figure 3). According to Magyar (as cited in Imola Katalin 2017, 5) medical terms can be classified into anatomical terms, names of symptoms and syndromes, names of illnesses, name of medical materials, tools and instruments used in medical procedures, and verbs connect with medical activities, processes, and physiological phenomena. In accordance with this classification, the terms found in our study can be categorized as follows:

- 1. Anatomical terms: brain
- Names of symptoms and syndromes: mild cognitive impairment, nocturia, dyspena,
- 3. Names of illnesses: Alzheimer, dementia, sarcopenia, depression,

When comparing the terminology from both types of texts analyzed, it can be seen that the terminology found in the corpus dealing with abstracts is more technical or complex than the one found in the corpus dealing with information articles, since the communicative settings differ from one type of text to the other, being the former expert-to-expert and the latter semi-expert to uninitiated. Nevertheless, we have found that the terms 'risk factor' and 'disease / condition' appeared in both abstract and information articles corpora. This possibly has to do with the fact that the complexity of those terms is low, so they can be used in texts for different audiences.

There are some translation procedures that a translator could follow when translating terminology. Following the aforementioned categories in section 2, we have found that

there are several transpositions regarding multi-word terms, but in all of them, the same change took place. This happened because in English the terms are constructed by adjective + noun (elderly patient, primary care) and their equivalents in Spanish are constructed by noun + adjective (paciente anciano, atención primaria). So, the grammatical structure of the term changed from the SL to the TL.

We have consulted two online dictionaries – *Medical Diccionary* and *Diccionario Médico-Biológico (Histórico y Etimológico) de Helenismos* – to see the etymology of some terms of our corpora and find equivalences, adaptations, borrowings, or calques since they look similar in both languages. However, none of those translation procedures were found, but the terms both in English and Spanish had the same origin – Greek or Latin. This is because, as it is said in section 2, Greek and Latin are considered the first languages of science, so although medical language has evolved into other languages, the ancient terms still remain. Table 4 illustrates the etymology of those terms.

ORIGIN	EN TERM	SP TERM	ETYMOLOGY
	Sarcopenia	Sarcopenia	Sarxpenia
Greek	Dyspnea	Dyspnea Disnea	
	Chemotherapy	Quimioterapia	Chemotherapie
	Symptom	Síntoma	Sýmptōma
Latin	Dementia	Demencia	Dementia
Datin	Depression	Depresión	Depressio

Table 4: Etymology of similar terms in English and Spanish

In section 2, we mentioned some of the problems a translator should face when translating medical terms. Using these problems as reference, we have found the following information:

- (1) We have identified a single example of an eponym in our corpus alzheimer which was named after the physician who described the disease first, Alois Alzheimer.
- (2) Despite the fact that the use of acronyms is a very common practice in medical texts, no acronyms have been found in the current study.
- (3) We have found a single example of false friend condition. This term resembles the Spanish term 'condición' but its real equivalent is 'enfermedad'.
- (4) The glossary contains some cases of synonymy both in English and in Spanish. It can be seen in table 4 that there are more cases of synonymy in the corpus of information articles than in the one of abstracts. It is also remarkable the fact that in our corpora there are more synonymous terms in English than in Spanish.

•	English synonymy		Spanish synonymy	
	EN	SP	EN	SP
			Impairment	Deterioro / Alteración
Abstracts	Disease / Condition Enferm	Enfermedad	Mild cognitive impairment	Deterioro cognitivo leve / Deterioro cognitivo ligero
	Elder / Senior	Mayor		
Information articles	Disease / Condition	Enfermedad	Health	Salud / Bienestar
	Medication / Drug	Medicamento		

Table 5: Cases of synonymy

6. Conclusions and further research

In this paper, we have analyzed terminology from the field of gerontology obtained from two comparable corpora which were manually compiled – one dealing with abstracts and the other with information articles. Additionally, the corpora comprise two languages, English and Spanish. The texts were extracted from different online sources such as specialized online magazines or web pages on gerontology issues. Moreover, we have created a glossary, with the terminology extracted from the corpora, which contains terminological sheets. To build both corpora as well as the glossary, we have followed the subsequent steps:

- 1. Compilation of the data from different online resources
- 2. Design of the corpora
- 3. Exploitation of the corpora with two corpus analysis toolkits AntConc and TermoStat
- 4. Extraction of the terminology
- 5. Creation of the glossary

After building the corpora and creating the glossary, we have made an exhaustive analysis of the terms. Our analysis has shown that, on the one hand, the terminology found in the corpus dealing with abstracts is more complex than the one found in the information articles' corpus. This is something that we assumed before carrying out the analysis since the communicative setting differs from one type of text to the other, being the abstracts expert-expert and the information articles relative expert to uninitiated. And, on the other hand, the translation of medical terms is a complex thing since they are highly specialized terms and thus the translator plays an important role in it. Therefore, we have gone through a big documentation process in order to be able to understand the terminology and to find the perfect equivalent for each term.

Furthermore, we explored in different online dictionaries the etymology of some words that looked similar in English and Spanish for the purpose of finding equivalences, adaptations, borrowings, or calques. But we found that those similar words came from the same Latin or Greek root. There were several instances of terminology that aroused problems, e.g. synonyms, false friends, or eponyms. In order

to find the perfect equivalence for the synonymous words, two reference corpora have been searched – COCA and CREA. As stated before, COCA refers to Corpus of Contemporary American English and CREA refers to Corpus de Referencia del Español Actual being both reference corpora.

It has to be taken into consideration the fact that the amount of data we have worked with is small since building a larger corpus was not possible due to the time and space constraints. We believe that the results would vary if we had gathered a larger corpus since, for instance, the lack of acronyms or the scarce use of eponyms is rare as it is very common to find them in medical texts. Hence, our findings do not comply with most of the characteristics of the medical language mentioned in section 2.

7. References

7.1. Works cited

- Aiken, Lewis R. 1995. Aging: An Introduction to Gerontology. SAGE Publications.
- Akbarian, haaq, Zahra Ghanbarzadeh, and Mohammad Afzali Shahri. 2017. "Profiling Vocabulary in Psychology Journal Abstracts: A Comparison between Iranian and Anglo-American Journals." *Iranian Journal of Language Teaching Research* 5 (1): 51–69. www.urmia.ac.ir/ijltr.
- Biber, Douglas. 2012. "Corpus-Based and Corpus-Driven Analyses of Language Variation and Use." *The Oxford Handbook of Linguistic Analysis*. Accessed May13.

 https://eclass.uoa.gr/modules/document/file.php/MEDIA139/%CE%91%CE%B
 D%CE%B1%CE%B3%CE%BD%CF%8E%CF%83%CE%BC%CE%B1%CF%

Driven%20Analyses%20of%20Language%20Variation%20and%20Use.pdf

84% CE% B1/Biber, % 20 Corpus-Based % 20 and % 20 Corpus-

- Biber, Douglas., Susan. Conrad, and Randi. Reppen. 1998. *Corpus Linguistics: Investigating Language Structure and Use.* Cambridge University Press.
- Bowker, Lynne., and Jennifer. Pearson. 2002. Working with Specialized Language: A Practical Guide to Using Corpora. Routledge.
- Butler, Robert N. 1983. "An Overview of Research on Aging and the Status of Gerontology Today." *The Milbank Memorial Fund Quarterly. Health and Society* 61 (3): 351. http://www.jstor.org/stable/3349862?origin=crossref.
- Cabré, M. Teresa (Maria Teresa), and Pr. Sager, Juan C. 1993. *La Terminología : Teoría, Metodología, Aplicaciones*. Editorial Antártida/Empúries.
- Cavanaugh, John C., and Susan Krauss. Whitbourne. 1999. *Gerontology: An Interdisciplinary Perspective*. Oxford University Press.

"CVC. Congreso de Valladolid. Nuevas Fronteras Del Español." 2017. Accessed May 10.

http://cvc.cervantes.es/obref/congresos/valladolid/ponencias/nuevas_fronteras_d

el espanol/1 la traduccion en espanol/alcaraz e.htm.

- Deleger, Louise, Magnus Merkel, and Pierre Zweigenbaum Ac. 2017. "Enriching Medical Terminologies: An Approach Based on Aligned Corpora." Accessed May 19. https://perso.limsi.fr/pz/FTPapiers/Deleger_MIE2006.pdf.
- Ferguson, Gibson. 2001. "If You Pop over There: A Corpus-Based Study of Conditionals in Medical Discourse." *English for Specific Purposes* 20 (1): 61–82. http://www.sciencedirect.com/science/article/pii/S0889490699000277.
- Fijo León, María Isabel, and Adrián Fuentes Luque. 2013. "A Corpus-Based Approach to the Compilation, Analysis, and Translation of Rural Tourism Terms." *Meta: Journal Des Traducteurs* 58 (1): 212. http://id.erudit.org/iderudit/1023817ar.
- Flowerdew, Lynne. 2008. Corpus-Based Analyses of the Problem-Solution Pattern: A Phraseological Approach. John Benjamins Pub.
- Grundmann, Reiner, and Ramesh Krishnamurthy. 2017. "The Discourse of Climate Change: A Corpus-Based Approach." *Journal Vol* 4 (2): 113–33. Accessed May 30. http://cadaad.net/.
- Hoof, Henri van. 1999. *Manual Práctico de Traducción Médica : Diccionario Básico de Términos Médicos : (Inglés-Francés-Español)*. Editorial Comares.
- Hooyman, Nancy R., and H. Asuman Kiyak. 2008. *Social Gerontology: A Multidisciplinary Perspective*. Pearson/Allyn & Bacon.
- Keravnou, E. T. 1997. Artificial Intelligence in Medicine: 6th Conference on Artificial Intelligence in Medicine Europe, AIME '97, Grenoble, France, March 23-26, 1997: Proceedings. Springer.

- "Introducción." 1971. *Rubio Sáez Rodríguez González*. Pratt Navarro Alcaraz Ariza. http://www.aelfe.org/documents/text4-Alcaraz.pdf.
- Katz, Stephen. 1996. Disciplining Old Age: The Formation of Gerontological Knowledge. University Press of Virginia.
- Keulen, P. S. F. van., and W. Th. van. Peursen. 2006. *Corpus Linguistics and Textual History: A Computer-Assisted Interdisciplinary Approach to the Peshitta*. Van Gorcum.
- Li, Shuangling. 2017. "A Corpus-Based Study of Vague Language in Legislative Texts: Strategic Use of Vague Terms." *English for Specific Purposes* 45 (January): 98–109. http://linkinghub.elsevier.com/retrieve/pii/S088949061630134X.
- López Ródriguez, Clara Inés. 2000. "Tipología Textual Y Cohesión En La Traducción Biomédica Inglés -Español: Un Estudio de Corpus." http://digibug.ugr.es/bitstream/10481/27313/1/Traduccion_biomedica.pdf.
- Mahadi, Tengku Sepora Tengku, Helia Vaezian, and Mahmoud Akbari. 2010. *Corpora in Translation : A Practical Guide*. Peter Lang.
- Mártinez Lopez, Ana Belén. 2009. "Terminología Y Fraseología En Los Documentos Médico-Legales (1): Extracción, Clasificación, Análisis Y Traducción de Unidades de Naturaleza Biosanitaria." Entreculturas. https://riuma.uma.es/xmlui/bitstream/handle/10630/7102/articulo20.Terminologíay fraseologíaenlosdocumentosmédicolegales1. Extracción% 2Cclasificación% 2Canáli sisytraduccióndeunidadesdenaturalezabiosanitaria. AnaBelénMartínezLópez.pdf?se quence=1.
- Pearson, Jennifer. 1998. Terms in Context. J. Benjamins.
- Ruiz Rosendo, Lucía. 2008. "English and Spanish Medical Languages: A Comparative Study from a Translation Point of View" 12. http://www.trans.uma.es/pdf/Trans_12/t12_231-246_LRuiz.pdf.

- Sager, Juan C., David Dungworth, and Peter F. McDonald. 1980. *English Special Languages: Principles and Practice in Science and Technology*. Brandstetter.
- Sharoff, Serge. 2013. Building and Using Comparable Corpora. Springer.
- Sinclair, John. 1991. Corpus, Concordance, Collocation. Oxford University Press.
- Skorczynska Sznajder, Hanna. 2010. "A Corpus-Based Evaluation of Metaphors in a Business English Textbook." *English for Specific Purposes* 29 (1): 30–42. http://www.sciencedirect.com/science/article/pii/S0889490609000313.
- Staples, Shelley. 2015. "Examining the Linguistic Needs of Internationally Educated Nurses: A Corpus-Based Study of Lexico-Grammatical Features in Nurse–patient Interactions." *English for Specific Purposes* 37 (January): 122–36. http://linkinghub.elsevier.com/retrieve/pii/S0889490614000611.
- Strehlow, Richard Alan, Sue Ellen Wright, and American Society for Testing and Materials. 1993. Standardizing Terminology for Better Communication:

 Practice, Applied Theory, and Results. ASTM.
- Swales, John M. 1990. *Genre Analysis: English in Academic and Research Settings*. Cambridge University Press.
- Universitat Autònoma de Barcelona. Departament de Traducció i d'Interpretació., Goretti Faya. 1998. *Quaderns: Revista de Traducció. Quaderns: Revista de Traducció.* Vol. 0. Universitat Autònoma de Barcelona, Servei de Publicacions. http://www.raco.cat/index.php/QuadernsTraduccio/article/view/294277.
- Witczak-Plisiecka, Iwona. 2010. Pragmatic Perspectives on Language and Linguistics Volume II, Pragmatics of Semantically-Restricted Domains. Cambridge Scholars.
- Wulff, Henrik R. 2004. "The Language of Medicine." *Journal of the Royal Society of Medicine* 97 (4). Royal Society of Medicine Press: 187–88. http://www.ncbi.nlm.nih.gov/pubmed/15056745.

7.2. Sources of the texts

- "Aging Parents | Elder Care | Senior Care." 2017. Accessed March 1. http://www.aging-parents-and-elder-care.com/.
- "Biblioteca de Salud." 2017. Accessed March 29.

 http://www.sanitas.es/sanitas/seguros/es/particulares/biblioteca-de-salud/index.html?pid=bsbiblioteca
- "El Rincón Del Cuidador® | Comunidad de Cuidadores." 2017. Accessed March 30. http://www.elrincondelcuidador.es/.
- "Elder Care: Home Care, Senior Living and Caregiver Support AgingCare.com." 2017. Accessed March 1. https://www.agingcare.com/.
- "Fundación Caser Portal de La Promoción de La Salud Y La Autonomía Personal." 2017. Accessed March 30. http://www.fundacioncaser.org/.
- "Health in Aging." 2017. Accessed March 29. http://www.healthinaging.org/.
- "HelpGuide." 2017. Accessed March 1. https://www.helpguide.org/.
- "Home PMC NCBI." 2017. Accessed March 1. http://www.ncbi.nlm.nih.gov/pmc/.
- Journal of Gerontology and Geriatrics. 2017. OMICS Publishing Group. Accessed March 25. http://www.jgerontology-geriatrics.com/article/utilizzo-della-console-wii-della-nintendo-per-il-trattamento-riabilitativo-cognitivo-motorio-di-soggetti-anziani-affetti-da-deficit-motorio-o-da-demenza-di-grado-lieve-moderato/">http://www.jgerontology-geriatrics.com/article/utilizzo-della-console-wii-della-nintendo-per-il-trattamento-riabilitativo-cognitivo-motorio-di-soggetti-anziani-affetti-da-deficit-motorio-o-da-demenza-di-grado-lieve-moderato/">https://www.jgerontology-geriatrics.com/article/utilizzo-della-console-wii-della-nintendo-per-il-trattamento-riabilitativo-cognitivo-motorio-di-soggetti-anziani-affetti-da-deficit-motorio-o-da-demenza-di-grado-lieve-moderato/
- "Mejor Con Salud Blog Sobre Buenos Hábitos Y Cuidados Para Tu Salud." 2017.

 Accessed March 29. https://mejorconsalud.com/.
- PortalesMedicos.com (Firm). 2017. Revista Electrónica de PortalesMedicos.com.

 PortalesMedicos.com. Accessed April 3. http://www.revista-portalesmedicos.com/revista-medica/.

- "Revista Española de Geriatría Y Gerontología." 2014. http://www.elsevier.es/es-revista-revista-espanola-geriatria-gerontologia-124.
- S.L. NetDoctor. 2017. "NetDoctor." Accessed March 11. http://netdoctor.elespanol.com/.

7.3. Corpus analysis toolkit

- Anthony, Laurence. 2014. "AntConc (Version 3.4.4w) [Computer Sofware]." Tokyo, Japan: Waseda University. http://www.laurenceanthony.net.
- Université de Montréal. 2017. "TermoStat Web 3.0." Accessed March 1. http://www.termostat.ling.umontreal.ca/index.php?lang=en_CA.

7.4. Other resources

- "Corpus of Contemporary American English" 2017. Accessed April 17. http://corpus.byu.edu/coca/
- Cortés Gabaudan, Francisco. 2004. *Diccionario Médico-Biológico (Histórico Y Etimológico) de Helenismos [Recurso Electrónico]*. Ediciones Universidad de Salamanca. http://dicciomed.eusal.es/.
- "Medical Dictionary." 2017. Accessed May 20. http://medical-dictionary.thefreedictionary.com/.
- "Real Academia Española CREA." 2017. Accessed April 17. http://corpus.rae.es/creanet.html.

8. Appendix

8.1. Corpus 0

		NUMBER		
CODE	TITLE OF THE	OF	DATE	LANGUAGE
	ARTICLES	WORDS		
	Changing the Course of			
	Geriatrics Education: An			
AB_001_2013_EN	Evaluation of the First	330	2013	ENGLISH
Ab_001_2013_EN	Cohort of Reynolds	330	2013	LIVOLISII
	Geriatrics Education			
	Programs			
	Globalization of			
	Gerontology Education:			
AB_002_2013_EN	Current Practices and	140	2013	ENGLISH
AB_002_2013_EIV	Perceptions for Graduate	140		
	Gerontology Education in			
	the United States			
	The Increasing Use of			
AB_003_2010_EN	Theory in Social	282	2010	ENGLISH
	Gerontology: 1990-2004			
	The American Medical			
	Association Older Driver			
	Curriculum for Health			
AB_004_2011_EN	Professionals: Changes in	263	2011	ENGLISH
	Trainee Confidence,			
	Attitudes & Practice			
	Behavior			
AB_005_2014_EN	The French Society of			
	Geriatrics and			
	Gerontology position	224	2014	ENGLISH
	paper on the concept of			
	integration			

AB_006_2017_EN	Experiencing aging or demystifying myths? — impact of different "geriatrics and gerontology" teaching strategies in first year medical students	346	2017	ENGLISH
AB_007_2011_EN	From Bedside to Bench: summary from the American Geriatrics Society/National Institute on Aging Research Conference on Comorbidity and Multiple Morbidity in Older Adults	232	2011	ENGLISH
AB_008_2014_EN	Complexity in Graduate Medical Education: A Collaborative Education Agenda from Internal Medicine and Geriatric Medicine	238	2014	ENGLISH
AB_009_2013_EN	A Review of Our Roots: Blacks in Gerontology	294	2013	ENGLISH
AB_010_2014_EN	"My Older Clients Fall Through Every Crack in the System": Geriatrics Knowledge Among Legal Professionals	310	2014	ENGLISH
AB_011_2013_EN	Health information technologies in geriatrics and gerontology: a mixed	248	2013	ENGLISH

	systematic review			
AB_012_2011_EN	Update in Geriatric Medicine	235	2011	ENGLISH
AB_013_2012_EN	Geriatric Education in the Health Professions: Are We Making Progress?	238	2012	ENGLISH
AB_014_2015_EN	Combining Quality Improvement and Geriatrics Training: The Nursing Home Polypharmacy Outcomes Project	197	2015	ENGLISH
AB_015_2015_EN	Inertial sensors as measurement tools of elbow range of motion in gerontology	275	2015	ENGLISH
AB_016_1997_EN	Effects of multicomponent exercise on cognitive function in older adults with amnestic mild cognitive impairment: a randomized controlled trial	329	2012	ENGLISH
AB_017_2013_EN	American Geriatrics Society Updated Beers Criteria for Potentially Inappropriate Medication Use in Older Adults	289	2013	ENGLISH
AB_018_2016_EN	"Delirium Day": a nationwide point	470	2016	ENGLISH

	prevalence study of			
	delirium in older			
	hospitalized patients			
	using an easy			
	standardized diagnostic			
	tool			
AB_019_2014_EN	The Unknown:	262	2014	ENGLISH
AB_019_2014_EN	Profession: A Geriatrician	202	2014	ENOLISII
	Current Practices and			
	Opportunities in a			
AD 020 2015 EN	Resident Clinic	212	2015	ENCLICII
AB_020_2015_EN	Regarding the Care of	313	2015	ENGLISH
	Older Adults with			
	Multimorbidity			
	Cognitive Functioning			
	and Walking Speed in			
	Older Adults as			
	Predictors of Limitations	273	2015	
AD 001 0015 FN	in Self-Reported			ENGLIGH
AB_021_2015_EN	Instrumental Activity of			ENGLISH
	Daily Living: Prospective			
	Findings from the Obu			
	Study of Health			
	Promotion for the Elderly			
	Adoption of Evidence-			
	Based Fall Prevention			
AB_022_2016_EN	Practices in Primary Care	336	2016	ENGLISH
	for Older Adults with a			
	History of Falls			
	Survey of Geriatricians			
AB_023_2011_EN	on the Impact of Fecal	303	2011	ENGLISH
	Incontinence on Nursing			
	<u> </u>			

	Home Referral			
AB_024_2016_EN	Plasma microRNA biomarker detection for mild cognitive impairment using differential correlation analysis	283	2016	ENGLISH
AB_025_2014_EN	Advances in Geroscience: Impact on Healthspan and Chronic Disease	266	2014	ENGLISH
AB_026_2013_EN	Geritalk: Communication Skills Training for Geriatrics and Palliative Medicine Fellows	275	2013	ENGLISH
AB_027_2015_EN	Relationship between paraspinal muscle cross-sectional area and relative proprioceptive weighting ratio of older persons with lumbar spondylosis	211	2015	ENGLISH
AB_028_2016_EN	Does the Q - H index show a stronger relationship than the H:Q ratio in regard to knee pain during daily activities in patients with knee osteoarthritis?	296	2016	ENGLISH
AB_029_2015_EN	Effects of exercise and horticultural intervention on the brain and mental health in older adults with	410	2015	ENGLISH

	symptoms and			
	oroblems: study			
	or a randomized			
controlle				
	0018547]			
A Large	Cross-Sectional			
Observat	onal Study of			
Serum F	ONF, Cognitive	242	2014	ENGLIGH
AB_030_2014_EN Function	and Mild	242	2014	ENGLISH
Cognitiv	Impairment in			
the Elder	7			
The Ef	ect of Nurse			
AB_031_2014_EN Practition	er Co-	331	2014	ENGLISH
Manager Manager	ent on the Care			Entobisin
of Geriat	c Conditions			
Combine	association of			
chronic	sease and low			
skeletal 1	uscle mass with			
physical	performance in			
AB_032_2015_EN older	lults in the	359	2015	ENGLISH
Sarcoper	a and			
Translati	nal Aging			
Research	in Taiwan			
(START	study			
Behavior	Treatment of			
Chronic	Insomnia in	222	2014	ENCLICH
AB_033_2014_EN Older	Adults: Does	333	2014	ENGLISH
Nocturia	Matter?			
European	Society for			
AB_034_2016_EN Swallow	g Disorders –	349	2016	ENGLISH
European	Union Geriatric	J T /		ENULISH
Medicine	Society white			

	paper: oropharyngeal			
	dysphagia as geriatric			
	syndrome			
	Six-Minute Walking			
	Distance Correlated with			
	Memory and Brain			
AB_035_2013_EN	Volume in Older Adults	244	2013	ENGLISH
Ab_033_2013_EN	with Mild Cognitive	244	2013	ENGLISH
	Impairment: A Voxel-			
	Based Morphometry			
	Study			
	Serum 25-			
	Hydroxyvitamin D,			
	Transitions between	336	2013	ENGLISH
AB_036_2013_EN	Frailty States, and			
	Mortality among Older			
	Adults: The Invecchiare			
	in Chianti Study			
	Pharmacodynamics of			
	vancomycin in elderly			
	patients aged 75 years of			
AB_037_2013_EN	older with methicillin-	316	2013	ENGLISH
	resistant Staphylococcus			
	aureus hospital-acquired			
	pheumonia			
	Progress in Aging			
AB_038_2016_EN	Epidemiology in Japan:	148	2016	ENGLISH
	The JAGES Project			
AB_039_2015_EN	Effects of a Formula			
	Containing Two Types of	262	2015	ENGLISH
	Prebiotics, Bifidogenic	202	2013	ENGLISH
	Growth Stimulator and			

	Galacto-oligosaccharide,			
	and Fermented Milk			
	Products on Intestinal			
	Microbiota and Antibody			
	Response to Influenza			
	Vaccine in Elderly			
	Patients: A Randomized			
	Controlled Trial			
	Age-indced reduction of			
	autophagy-related gene			
AB_040_2014_EN	expression in associated	218	2014	ENGLISH
	with onset of Alzheimer's			
	disease			
	Impact of Blunted			
	Perception of Dyspnea on			
AD 041 2012 FM	Medical Care Use and	319	2012	ENGLISH
AB_041_2012_EN	Expenditure, and			ENGLISIT
	Mortality in Elderly			
	People			
	Developing and Testing a			
	Decision Aid for Use by			
AD 042 2015 EN	Providers in Making	171	2015	ENCLICII
AB_042_2015_EN	Recommendations About	1/1	2013	ENGLISH
	Mammography Screening			
	in Older Women			
	EMS Attitudes Towards			
AB_043_2010_EN	Geriatric Prehospital Care	261	2010	ENGLIGH
	And Continuing Medical	261	2010	ENGLISH
	Education in Geriatrics			
	Sarcopenia: European			
AB_044_2010_EN	consensus on definition	326	2010	ENGLISH
	and diagnosis			
	<u> </u>	<u> </u>		

	Estimation of prevalence			
	of sarcopenia by using a			
AD 045 2016 FN	new bioelectrical	253	2016	ENGLIGH
AB_045_2016_EN	impedance analysis in		2016	ENGLISH
	Chinese community-			
	dwelling elderly people			
	The Klotho gene G-395A			
AD 046 2016 FM	polymorphism and	224	2016	ENGLIGH
AB_046_2016_EN	metabolic syndrome in	324	2016	ENGLISH
	very elderly people			
	Myeloperoxidase Levels			
AD 047 2010 EN	and Mortality in Frail	295	2010	ENGLISH
AB_047_2010_EN	Community-Living	293	2010	ENGLISH
	Elderly Individuals			
	Changes in Mobility			
	Among Older Adults with			
AB_048_2010_EN	Psychometrically Defined	215	2010	ENGLISH
	Mild Cognitive			
	Impairment			
	Impact of Chronic			
	Kidney Disease on			
AB_049_2011_EN	Activities of Daily Living	310	2011	ENGLISH
	in Community-Dwelling			
	Older Adults			
	Management of			
	Neuropsychiatric			
AB_050_2015_EN	Symptoms of Dementia			
	in Clinical Settings:	302	2015	ENGLISH
	Recommendations from a			
	Multidisciplinary Expert			
	Panel			
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AB_051_2015_EN	The occurrence of visual and cognitive impairment, and eye diseases in the superelderly in Japan: a cross-sectional single-center study	333	2015	ENGLISH
AB_052_2013_EN	Cognitive Activities and Instrumental Activity of Daily Living in Older Adults with Mild Cognitive Impairment	208	2013	ENGLISH
AB_053_2013_EN	Cognitive function effects trainability for physical performance in exercise intervention among older adults with mild cognitive impairment	294	2013	ENGLISH
AB_054_2012_EN	Adiposity to muscle ratio predicts incident physical limitation in a cohort of 3,153 older adults-an alternative measurement of sarcopenia and sarcopenic obesity	340	2012	ENGLISH
AB_055_2016_EN	Use of the sit-to-stand task to evaluate motor function of older adults using telemetry	317	2016	ENGLISH
AB_056_2017_EN	Aplication of Medical Moisture Retention Cream	335	2017	ENGLISH

	(ALHYDRANA,A®), A			
	New Option in the			
	Treatment of Venous			
	Eczema			
	Fictive Carers Perception			
	of the Impact of			
AB_057_2017_EN	Outcome-Focused	244	2017	ENGLISH
	Homecare with Older			
	People Living Alone			
	Structural Validity and			
	Reliability of the Dutch			
	Older Patient in Acute			
AB_058_2017_EN	Care Survey (OPACS),	377	2017	ENGLISH
	Measuring Nurses			
	Attitude towards Older			
	Patients			
	Evaluating Kidney			
	Function in Elderly			
AB_059_2017_EN	Population: A Cross-	314	2017	ENGLISH
	Sectional Study in			
	Primary Health Care			
	Application of the Omaha			
	System in the			
AB_060_2017_EN	Determination of	269	2017	ENGLISH
Ab_000_2017_EN	Healthcare Needs of	207	2017	LNGLISH
	Individuals Receiving			
	Home Healthcare			
AB_061_2016_EN	The Grandparent-			
	Grandchild Relationship			
	and its Effects on the	210	2016	ENGLISH
	Developments of Young			
	Children's Social			

	Competence			
AB_062_2016_EN	Diet Quality and Associated Factors Among Eldercare Workers in Long-Term Care Facilities	209	2016	ENGLISH
AB_063_2016_EN	Effect of IL-12 on Experimental Allergic Otitis Media with Effusion	210	2016	ENGLISH
AB_064_2016_EN	Social Participation and Life Satisfaction Among Widowed Older Adults in China	183	2016	ENGLISH
AB_065_2016_EN	Grandparent Caregiving and Self-Rated Health among Rural Chinese Older Adults: A Longitudinal Study Using Latent Difference Score Analysis	308	2016	ENGLISH
AB_066_2016_EN	Effect of Social Support Systems on the Psychosocial Well-Being of the Elderly in Old People's Homes in Ibadan	451	2016	ENGLISH
AB_067_2016_EN	Pleural Effusion Following Rib Fractures in the Elderly: Are We Being Aggressive	368	2016	ENGLISH

	Enough?			
AB_068_2016_EN	The Prevalence of Depressive Symptoms and Risk Factors among Older Adults Admitted to the Geriatrics Outpatient Clinic: A Natural Result of Normal Aging or Not?	256	2016	ENGLISH
AB_069_2016_EN	Elderly Cancer Survivor Reflect on Coping Srageties During the Cancer Journey	268	2016	ENGLISH
AB_070_2016_EN	The Rules in Institutional Care: An Ethnographic Style Study Introduction	298	2016	ENGLISH
AB_071_2016_EN	Deceased Donor Kidney Transplantation in Patients Aged 70 and Older: Is 70 the New 50?	328	2016	ENGLISH
AB_072_2016_EN	The Benefit and Tolerability of Adjuvant Chemotherapy in Elderly Stage III Colon Cancer Patients: A 3 Year Retrospective Audit	283	2016	ENGLISH
AB_073_2016_EN	Factors Predicting Length of Hospital Stay in Acute Stroke Patients Admitted in a Rural Tertiary Care Hospital	310	2016	ENGLISH
AB_074_2016_EN	Geriatric Depression And	341	2016	ENGLISH

	Cognitive Impairment: A			
	Follow Up Study			
	Exploration Of Quality Of Life Of Diabetic			
AB_075_2016_EN	Patients In State	233	2016	ENGLISH
	Retirement Homes In			
	Turkey			
	Effect Of Socioeconomic			
	Status On Expectations			
AB_076_2016_EN	Among Completely	186	2016	ENGLISH
	Edentulous Patients	100	2010	21(021011
	Regarding Conventional			
	Complete Dentures			
	Accelerated Medical			
AB_077_2016_EN	Education: Impact Of A	322	2016	ENGLISH
Ab_0//_2010_EN	48 Hour Hospice Home			ENGLISII
	Immersion			
	Is Percutaneous			
AB_078_2016_EN	Nephrolithotomy Safe	274	2016	ENGLISH
AB_078_2010_EN	For Elderly Kidney Stone	274		
	Patients?			
	Correlation Of The Index			
	Of Activities Of Daily			
AB_079_2016_EN	Living (Index Of ADOH)	226	2016	ENGLIGH
	With The Functional	326	2016	ENGLISH
	Independence Measure			
	(FIM) In Older Adults			
AB_080_2016_EN	Why Elderly Patients			
	With Ground Level Falls	200	2016	ENGI ISH
AD_000_2010_EN	Die Within 30 Days And	389		ENGLISH
	Beyond?			

	Hospitalization And			
	Mortality Rates In			
AB_081_2016_EN	Patients With Respiratory	282	2016	ENGLISH
	Diseases In The Very			
	Elderly Population			
	Attitudes Towards The			
	Elderly Among Nursing			
AB_082_2016_EN	Students In Poland Initial	304	2016	ENGLISH
	Findings			
	Challenging Aspects Of			
	Bereavement And Grief			
	In Older Adults With	404	2015	
AB_083_2016_EN	Dementia: A Case Series	401	2016	ENGLISH
	And Clinical			
	Considerations			
	Inflammatory Markers			
AB_084_2016_EN	And Disability In Chinese	370	2016	ENGLISH
	Older Adults			
	Risk Factors Of Dizziness			
AD 005 2016 EN	Among Institutionalized	270	2016	ENGLISH
AB_085_2016_EN	Elderly Persons: A Case	270		
	Control Study			
	Functional Capacity And			
	Physical Exercise In			
AB_086_2016_EN	Older Women Living In	221	2016	ENGLISH
	A Rural Environment: A	221	2010	ENGLISH
	Correlational Cross-			
	Sectional Study			
AB_087_2016_EN	Perceived Barriers,			
	Facilitators And Patterns	189	2016	ENGLISH
	Of Physical Activity Of	10)		
	Olderold Adults Living In			

	Assisted Retirement			
	Accommodation: A			
	Qualitative And			
	Quantitative Pilot			
	Research			
	Chemotherapy For			
AB_088_2016_EN	Elderly Ovarion Cancer	274	2016	ENGLISH
	Patients			
	Monitoring of adverse			
AD 000 2015 EN	drug reactions in elderly	242	2015	ENGLICH
AB_089_2015_EN	patients in an Indian	242	2015	ENGLISH
	tertiary care hospital			
	Role of co-existence of			
	multiple chronic			
	conditions on the			
AB_090_2015_EN	longitudinal decline in	321	2015	ENGLISH
	cognitive performance			
	among older adults in the			
	US			
	Impact of cardiovascular			
AD 001 2015 FM	risk in elderly physical	2.47	2015	ENGLIGH
AB_091_2015_EN	activity program	247	2015	ENGLISH
	participants			
	Factors affecting			
AB_092_2015_EN	depression and quality of	198	2015	ENGLISH
	life in the elderly			
	Perfil y manejo inicial de			
AB_093_2017_SP	los ancianos atendidos			
	por infección en los	290	2017	SPANISH
	servicios de Urgencias			
	hospitalarios			
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AB_094_2011_SP	Neuropsicología y diagnóstico temprano	221	2011	SPANISH
AB_095_2011_SP	La enfermedad de Alzheimer antes de la demencia. Beneficios del diagnóstico precoz	359	2011	SPANISH
AB_096_2007_SP	Determinación del fragmento N-terminal del propéptido natriurético cerebral (NTproBNP) en pacientes de edad avanzada con disnea aguda: valor diagnóstico y pronóstico	254	2007	SPANISH
AB_097_2010_SP	Impacto de la nocturia en la calidad del sueño en pacientes con síntomas del tracto urinario inferior sugestivos de hiperplasia benigna de la próstata. Estudio NocSu	323	2010	SPANISH
AB_098_2016_SP	Sensibilidad y especificidad de la adiposidad abdominal con el síndrome metabólico en ancianos	322	2016	SPANHIS
AB_099_2016_SP	La prevalencia de sarcopenia en residencias de España: comparación de los resultados del estudio muticéntrico ELLI con otras	294	2016	SPANISH

	poblaciones			
AB_100_2016_SP	Concordancia del registro de demencia en las principales fuentes de información clínica	284	2016	SPANISH
AB_101_2016_SP	Intervenciones basadas en el ejercicio y el entorno para la prevención de caídas en personas con deterioro cognitivo que viven en centros de cuidado: revisión sistemática y metaanálisis	199	2016	SPANISH
AB_102_2016_SP	Valoración del estado nutricional en Geriatría: declaración de consenso del Grupo de Nutrición de la Sociedad Española de Geriatría y Gerontología	341	2016	SPANISH
AB_103_2015_SP	Caídas en la población anciana española: incidencia, consecuencias y factores de riesgo	298	2015	SPANISH
AB_104_2015_SP	Relación entre proteínas carboniladas y factor necrótico tumoral alfa con fuerza muscular en mujeres jóvenes y mayores: estudio exploratorio	283	2015	SPANISH
AB_105_2014_SP	Perfil de prescripción	297	2014	SPANISH

	farmacológica en			
	pacientes con			
	enfermedades crónicas no			
	neoplásticas en fase			
	avanzada			
	Alopurinol y su papel en			
AB_106_2014_SP	el tratamiento de la	240	2014	SPANISH
	sarcopenia			
	Efectos de un programa			
	de intervención			
	neuropsicológica basado			
AB_107_2014_SP	en mindfulness sobre la	305	2014	SPANISH
	enfermedad de			
	Alzheimer: ensayo clínico			
	aleatorizado a doble ciego			
	Rumiación y fusión			
	cognitiva en el cuidado	2.10	• • • • •	an
AB_108_2015_SP	familiar de personas con	240	2015	SPANISH
	demencia			
	Prevalencia y valor			
	pronóstico al año de la			
AB_109_2014_SP	anemia en pacientes	250	2014	SPANISH
	ingresados en una unidad			
	geriátrica de agudos			
	Estudio exploratorio			
	sobre el uso de			
AB_110_2014_SP	instrumentos de			
	evaluación cognitiva y	281	2014	SPANISH
	neuropsicológica en			
	centros de personas			
	mayores de Galicia			
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AB_111_2014_SP	Microbiología de las infecciones de úlceras por presión y de origen vascular	274	2014	SPANISH
AB_112_2013_SP	Déficit de Vitamina D en una cohorte de mayores de 65 años: prevalencia y asociación con factores sociodemográficos y de salud	346	2013	SPANISH
AB_113_2014_SP	Herramientas de valoración geriátrica en Servicios de Geriatría españoles	383	2014	SPANISH
AB_114_2013_SP	La calidad de vida en ancianos polimedicados con multimorbilidad	286	2013	SPANISH
AB_115_2013_SP	Eficacia de la vía subcutánea frente a la hidratación intravenosa en el paciente anciano hospitalizado: estudio controlado aleatorizado	288	2013	SPANISH
AB_116_2013_SP	Análisis de la relación entre las actitudes hacia la vejez y el envejecimiento y lo índices de bienestar en una muestra de personas mayores	224	2013	SPANISH
AB_117_2013_SP	Efecto de 24 semanas de entrenamiento de fuerza moderada-alta intensidad	291	2013	SPANISH

	en ancianos			
AB_118_2013_SP	Enfermedad crónica, mortalidad, discapacidad y pérdida de movilidad en ancianos españoles: estudio FRADEA	293	2013	SPANISH
AB_119_2013_SP	Adaptación y validación de la versión española de la escala de evaluación de dolor en personas con demencia avanzada: PAINAD-Sp	272	2013	SPANISH
AB_120_2013_SP	Inmunosenescencia prematura en ratones triple-transgénico para la enfermedad del Alzheimer	301	2013	SPANISH
AB_121_2013_SP	La participación de personas con demencia en las reuniones del plan de atención individualizada: impacto en el bienestar y la calidad del cuidado	294	2013	SPANISH
AB_122_2013_SP	Estudio de la vulnerabilidad neuronal selectiva en el sistema nervioso central humano	263	2013	SPANISH
AB_123_2015_SP	Desarrollo de un modelo predictivo para el índice del cuidador	322	2015	SPANISH
AB_124_2016_SP	Intervención geriátrica en	298	2016	SPANISH

fractura de cadera en el Hospital Universitario de Guadalajara: repercusión clínica, asistencial y económica Consumo de ansiolíticos e hipnóticos y factores asociados en las personas mayores Hematoma subdural crónico en pacientes muy ancianos Factores relacionados con el maltrato no institucional en residencias de personas mayores Disminución de la toxicidad y del efecto terapéutico de ácido zoledrónico en el tratamiento combinado con diferentes extractos antioxidantes Lesión medular traumática en mayores de 65 años en la provincia de Zona de ansiolíticos 299 2016 SPANISH 2016		el anciano ingresado por			
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AB_125_2016_SP AB_125_2016_SP AB_126_2016_SP AB_126_2016_SP AB_126_2016_SP AB_127_2016_SP AB_127_2016_SP AB_128_2016_SP AB_128_2016_SP AB_128_2015_SP AB_129_2015_SP AB_129_2015_SP Consumo de ansiolíticos e hipnóticos y factores asociados en las personas mayores 299 2016 SPANISH SPANISH SPANISH 2016 SPANISH 2016 SPANISH 2016 SPANISH SPANISH 2016 SPANISH SPANISH AB_128_2016_SP AB_128_2016_SP AB_128_2015_SP		Guadalajara: repercusión			
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AB_126_2016_SP	AB_123_2010_SP	asociados en las personas	299	2016	SPANISH
AB_126_2016_SP		mayores			
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antioxidantes Lesión medular traumática en mayores de AB 129 2015 SP SPANISH		tratamiento combinado			
Lesión medular traumática en mayores de AB 129 2015 SP 247 2015 SPANISH		con diferentes extractos			
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AB 129 2015 SP 247 2015 SPANISH		Lesión medular			
AB_129_2015_SP 65 años en la provincia de 247 2015 SPANISH	AD 120 2015 CD	traumática en mayores de	247	2015	CDANICH
l l l l l l l l l l l l l l l l l l l	AB_129_2015_SP	65 años en la provincia de	247	2015	SPANISH
Asturias		Asturias			
Factores		Factores			
AB_130_2015_SP sociodemográficos 224 2015 SPANISH	AB_130_2015_SP	sociodemográficos	224	2015	SPANISH
asociados con el grado de		asociados con el grado de			

	adherencia al patrón de			
	dieta mediterránea en			
	personas mayores			
	Evaluación del ambiente			
	de trabajo de las			
AD 101 2015 GD	enfermeras en las	27.4	2015	ab v Mari
AB_131_2015_SP	unidades sociosanitarias	274	2015	SPANISH
	de atención intermedia de			
	Cataluña			
	Estudio de la implicación			
	en un grupo de personas			
AD 122 2016 CD	con demencia con	220	2016	CDANICH
AB_132_2016_SP	atención tradicional y un	330	2016	SPANISH
	grupo con atención			
	centrada en la persona			
	Uso de sondas			
AB_133_2016_SP	gastrostomía en mayores	277	2016	SPANISH
	de 75 años			
	Gestión de traslados			
	potencialmente evitables			
	a los hospitales de agudos			
AB_134_2015_SP	desde unidades de	236	2015	SPANISH
	rehabilitación geriátrica:			
	aspectos críticos de un			
	protocolo de intervención			
	Construcción y validación			
AB_135_2011_SP	de escala para evaluar las			
	actitudes hacia los	275	2011	SPANISH
	pacientes con enfermedad	213	2011	DI WINDII
	de Alzheimer y trastornos			
	relacionados			

	Empleo subóptimo de la			
	quimioterapia adyuvante			
	en mujeres de 70 años de			
AB_136_2011_SP	edad o más	274	2011	SPANISH
	diagnosticadas de cáncer			
	de mama en un hospital			
	universitario			
	Salud autopercibida y			
	calidad de vida en			
AB_137_2016_SP	mayores	273	2016	SPANISH
	institucionalizados en el			
	medio rural			
	Evaluación de una			
	intervención educativa			
AB_138_2016_SP	sobre alimentación en	275	2016	SPANISH
	mayores: un estudio			
	comunitario			
	Necesidades nutricionales			
AB_139_2016_SP	en personas de edad	195	2016	SPANISH
	avanzada			
	Potencialidades			
AB_140_2016_SP	conservadas en el adulto	172	2016	SPANISH
	mayor			
	Funcionalidad familiar y			
AB_141_2016_SP	perfil lipídico en adultos	201	2016	SPANISH
111_141_2010_01	mayores con diabetes	201	2010	SIAMSII
	mellitus tipo 2			
	Necesidades nutricionales			
AB_142_2016_SP	en personas de edad	195	2016	SPANISH
	avanzada			
AB_143_2016_SP	Potencialidades	171	2016	SPANISH
	conservadas en el adulto	1/1	2010	517111511

	mayor			
AB_144_2017_SP	Valoración del paciente con deterioro de la capacidad mental en Odontología. Revisión de la literatura	268	2017	SPANISH
AB_145_2015_SP	Presentación de la insuficiencia cardíaca en el paciente anciano	256	2015	SPANISH
AB_146_2015_SP	Atención farmacéutica en el Paciente Geriátrico. Deterioro de la movilidad en cama del paciente geriátrico	244	2015	SPANISH
AB_147_2015_SP	Problemas asociados al uso de fármacos en el adulto mayor, institucionalizado. Discusión de un caso	261	2015	SPANISH
AB_148_2015_SP	Efecto de la actividad física en la población anciana sobre los niveles plasmáticos de aminoácidos precursores de neurotransmisores	256	2015	SPANISH
AB_149_2015_SP	Tratamiento quirúrgico de la estenosis lumbar degenerativa en octogenarios	260	2015	SPANISH
AB_150_2016_SP	Depresión y funcionalidad familiar en	246	2016	SPANISH

	el paciente con diabetes mellitus tipo 2			
AR_151_2009_EN	Elder Care – First Steps	2.665	2009	ENGLISH
AR_152_2009_EN	Checklist	1.173	2009	ENGLISH
AR_153_2016_EN	Preventing Alzheimer's Disease or Other Dementias	2.202	2016	ENGLISH
AR_154_2016_EN	Late Stage and End-of- Life Care	2970	2016	ENGLISH
AR_155_2011_EN	20 Warning Signs Your Parent Needs Help at Home	1.118	2011	ENGLISH
AR_156_2017_EN	Top 6 Medication Problems and How to Prevent Them	626	2017	ENGLISH
AR_157_2017_EN	Guide for Managing Medications and Prescriptions	1.017	2017	ENGLISH
AR_158_2017_EN	Seniors and Prescription Drug Addiction	918	2017	ENGLISH
AR_159_2017_EN	Urinary Tract Infections in the Elderly	623	2017	ENGLISH
AR_160_2017_EN	Home Remedies for UTI: Tips from Family Caregivers	1.674	2017	ENGLISH
AR_161_2017_EN	Eldercare at Home: Mobility Problems	1.427	2017	ENGLISH
AR_162_2015_EN	Aging & Health A to Z: Falls Prevention	2.535	2015	ENGLISH
AR_163_2015_EN	Medications & Older Adults	1.116	2015	ENGLISH

AR_164_2017_SP	Aprender a cuidarte para cuidar mejor	622	2017	SPANISH
AR_165_2017_SP	Cambios posturales y movilización de personas en situación de dependencia	974	2017	SPANISH
AR_166_2017_SP	Productos de apoyo para el cuidado e higiene personal	595	2017	SPANISH
AR_167_2017_SP	Polimialgia Reumática (PMR)	922	2017	SPANISH
AR_168_2017_SP	Problemas reumatológicos en los mayores	1.280	2017	SPANISH
AR_169_2017_SP	Ayuda a los cuidadores de las personas mayores dependientes	1.672	2017	SPANISH
AR_170_2017_SP	Ejercicio en la tercera edad	1.038	2017	SPANISH
AR_171_2017_SP	Estreñimiento en los mayores	1.634	2017	SPANISH
AR_172_2015_SP	Principios básicos del buen trato a los mayores	632	2015	SPANISH
AR_173_2016_SP	Algunos mayores con las placas cerebrales del Alzheimer conservan la memoria	379	2016	SPANISH
AR_174_2017_SP	Mayores: el maltrato	1.324	2017	SPANISH
AR_175_2017_SP	Consejos sobre cómo cuidar a los mayores en casa	923	2017	SPANISH

AR_176_2017_SP	Síndrome de inmovilidad en personas mayores	519	2017	SPANISH
AR_177_2017_SP	Trastornos de deglución en personas mayores	428	2017	SPANISH
AR_178_2017_SP	Osteoporosis y fracturas óseas en personas mayores	718	2017	SPANISH
AR_179_2017_SP	Actitudes hacia la persona dependiente	473	2017	SPANISH
AR_180_2014_SP	Introducción a la incontinencia	636	2014	SPANISH
AR_181_2014_SP	Vivir con la incontinencia	320	2014	SPANISH
AR_182_2017_SP	Demencia, cambios de conducta y pautas de actuación	375	2017	SPANISH

8.2. Glossary

8.2.1. Terminology from abstracts

Term 1:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Impairment	Deterioro	Alteración
Grammatical category	Noun	Nombre masculino	Nombre femenino
Contextual fragment	Cognitive function affects trainability for physical performance in exercise intervention among older adults with mild cognitive impairment	Se recomienda la evaluación de la memoria con herramientas que se muestren sensibles al deterioro mnésico de tipo hipoámpico	Se revisan los estudios que han investida las alteraciones cognitivas antes de la manifestación de la EA.

Term 2:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Cognitive	Cognitivo
Grammatical category	Adjective	Adjetivo
Contextual fragment	The exercises included aerobic exercises, muscle strength training, and postural balance retraining, and were conducted using multiple conditions to stimulate cognitive functions.	Clínicamente se manifiesta con deterioro cognitivo y déficit neurológico. La situación clínica al ingreso representó en nuestra serie un importante factor predictivo tanto de complicaciones como de mortalidad.

Term 3:

Language	English		Español
Field	Medicine		Medicina
Subfield	Gerontology		Gerontología
Term	Disease	Condition	Enfermedad
Grammatical category	Noun	Noun	Nombre femenino
Contextual fragment	Although we can reasonably expect to live longer today than past generations did, the agerelated disease burden we will have to confront has not changed.	Chronic kidney disease (CKD) is an important condition, with implications in morbidity and mortality that primary care physicians should early detect.	En el estudio participaron 127 personas mayores con enfermedad de Alzheimer probable según criterios de la NINCDS-ADRDA.

Term 4:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Dementia	Demencia
Grammatical category	Noun	Nombre femenino
Contextual fragment	Early detection of dementia , and MCI, is a crucial issue in terms of secondary prevention.	Estos resultados apoyan la idea de que la intervención basada en mindfulness puede producir un beneficio clínicamente relevante en el tratamiento de la demencia .

Term 5:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Mild cognitive impairment	Deterioro cognitivo leve	Deterioro cognitivo ligero
Grammatical category	Adjective + adjective + noun	Nombre masculino + adjetivo + adjetivo	Nombre masculino + adjetivo + adjetivo
Contextual fragment	Forty-four older adults diagnosed with mild cognitive impairment based on the Peterson criteria (mean age 74.8 years) consented to and completed a 6-month twice weekly exercise intervention.	Los avances en el diagnostico de la EA podrían apoyar una revisión de los estándares clínicos actuales para el deterioro cognitivo leve	

Term 6:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Sarcopenia	Sarcopenia
Grammatical category	Noun	Nombre femenino
Contextual fragment	The European Working Group on Sarcopenia in Older People (EWGSOP) developed a practical clinical definition and consensus diagnostic criteria for age-related sarcopenia.	Conclusiones: La presencia de sarcopenia es un problema frecuente en personas mayores que viven en residencia, especialmente en mujeres

Term 7:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Nocturia	Nocturia
Grammatical category	Noun	Nombre femenino
Contextual fragment	These secondary analyses suggest that brief behavioral treatment of insomnia may be more efficacious in improving insomnia in participants without nocturia .	Los pacientes con nocturia indicaron que su calidad de sueño era muy inferior a la de pacientes con síntomas de tracto urinario inferior, pero sin nocturia .

Term 8:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Dyspnea	Disnea
Grammatical category	Noun	Nombre femenino
Contextual fragment	Poor perception of dyspnea might be reasonably attributed to an inappropriately low level of fear and inadequate earlier medical treatment for both patients and physicians, resulting in subsequent intensive care.	El NTproBNP es un parámetro útil para diferenciar y clasificar desde el punto de vista pronóstico a pacientes ancianos con disnea asociada a IC.

Term 9:

Language	English	Español	
Field	Medicine Medicina		
Subfield	Gerontology	Gerontología	
Term	Treatment	Tratamiento	
Grammatical category	Noun	Nombre masculino	
Contextual fragment	Potentially inappropriate medications (PIMs) continue to be prescribed and used as first-line treatment for the most vulnerable of older adults, despite evidence of poor outcomes from the use of PIMs in older adults.	Los avances en el diagnostico de la EA podrían apoyar una revisión de los estándares clínicos actuales para el deterioro cognitivo leve y proveer nuevos hitos para el tratamiento precoz de la enfermedad.	

Term 10:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Adiposity	Adiposidad	
Grammatical category	Noun	Nombre femenino	
Contextual fragment	The relationship between baseline adiposity to muscle ratio and incident physical limitation was examined by logistic regression.	Se ha reconocido que la adiposidad abdominal está asociada a factores de riesgo cardiovascular, intolerancia a la glucosa, hipertensión y dislipidemia.	

Term 11:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Elderly patient	Paciente anciano	
Grammatical category	Adjective + noun	Nombre + adjetivo	
Contextual fragment	We entered this exercise having recently joined the ranks of geriatricians-prepared to improve the health and quality of care of our elderly patients .	La eficacia de la rehidratación por vía subcutánea en pacientes ancianos hospitalizados con deshidratación leve-moderada no es inferior a la obtenida por vía intravenosa, pudiendo presentar ventajas adicionales.	

Term 12:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Risk factor	Factor de riesgo
Grammatical category	Noun + noun	Nombre masculino + preposición + nombre masculino
Contextual fragment	It is important to implement health policies to inform the community, prevent associated risk factors , and promote appropriate treatments and rehabilitation	Las historias clínico-nutricional y dietética pretenden evidenciar los posibles factores de riesgo sobre la base del cuadro de desnutrición.

Term 13:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Primary care	Atención primaria	
Grammatical category	Adjective + noun	Nombre femenino + adjetivo	
Contextual fragment	Compared to usual care using the ACOVE-2 model, NP comanagement is associated with better quality of care for geriatric conditions in community-based primary care . Sería muy recomenda determinar los valores vitamina D en mayore en atención primaria objetivo de adoptar m suplementación farma los pacientes con nive adecuados.		

Term 14:

Language	English Español		
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Chronic disease	Enfermedad crónica	
Grammatical category	Adjective + noun Nombre femenino + adje		
Contextual fragment	Geroscience is a cross disciplinary field focused on understanding the relationships between the processes of aging and age-related chronic diseases.	Analizar el perfil de prescripción farmacológica y los factores asociados a polifarmacia en pacientes con enfermedades crónicas no neoplásicas en fase avanzada.	

Term 15:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Depression	Depresión	
Grammatical category	Noun	Nombre femenino	
Contextual fragment	We observed mild depression in nearly one-third of patients older than 75. For clinicians dealing with this population, it is important to assess depressive symptoms and predictors in geriatric patients.	El fin de la vida laboral, el aislamiento, la pérdida de contacto social que da el trabajo y la viudez y la muerte de los amigos disminuyen la autoestima de los adultos mayores y provocan depresión .	

Term 16:

Language	English Español		
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Chemotherapy	Quimioterapia	
Grammatical category	Noun	Nombre femenino	
Contextual fragment	Patients aged >60 years with stage III colon cancer referred for adjuvant chemotherapy between 2010-2012 were identified from a tertiary hospital oncology database.	En ambos, analizamos las diferencias en cuanto a las características de las pacientes y del tumor, el tipo de tratamiento con quimioterapia , y la toxicidad asociada a la misma.	

Term 17:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Assessment	Evaluación	
Grammatical category	Noun	Nombre femenino	
Contextual fragment	We conducted a retrospective chart review to assess the extent to which patients aged 65+ years with a history of repeated falls or fall-related health-care use received multifactorial risk assessment and interventions.	Se recomienda la evaluación de la memoria con herramientas que se muestren sensibles al deterioro mnésico de tipo hipocámpico.	

8.2.2. Terminology from information articles

Term 1:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Caregiver	Cuidador, cuidadora	
Grammatical category	Noun	Nombre masculino y femenino	
Contextual fragment	Remember that the caregiver 's role is to help them maintain as much control over their lives as feasible, not take it away; this includes allowing them to make their own decisions unless the decisions become harmful to them.	En nuestra sociedad son numerosos los individuos que realizan la función de cuidadores principales de estas personas mayores dependientes	

Term 2:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Alzheimer	Alzheimer	
Grammatical category	Noun	Nombre masculino	
Contextual fragment	Promising research shows that you can reduce your risk of Alzheimer 's and other dementias through a combination of simple but effective lifestyle changes.	Los problemas que mayor dependencia originan son enfermedades neurológicas como la demencia tipo Alzheimer , enfermedad de Parkinson o los accidentes cerebrovasculares, también llamados ictus.	

Term 3:

Language	English		Español
Field	Medicine		Medicina
Subfield	Gerontology		Gerontología
Term	Elder	Senior	Mayor
Grammatical category	Noun / adjective	Noun / adjetive	Nombre / adjetivo
Contextual fragment	Failure to identify these conditions as being treatable could place elderly patients at risk of unnecessary functional decline.	Learn as much as possible about the medical condition afflicting the senior.	El estreñimiento representa un serio problema especialmente para aquellas personas mayores que viven con alguna discapacidad.

Term 4:

Language	English		Español
Field	Medicine		Medicina
Subfield	Gerontology		Gerontología
Term	Disease Condition		Enfermedad
Grammatical category	Noun	Noun	Nombre femenino
Contextual fragment	Study the symptoms and progression of the disease so you can anticipate what might come next.	Failure to identify these conditions as being treatable could place elderly patients at risk of unnecessary functional decline.	Algunas personas notan unos síntomas parecidos a los de la gripe, que ocasionalmente pueden deberse a una infección por parvovirus; sin embargo, en la mayoría de los casos la enfermedad aparece de forma espontánea y es de causa desconocida.

Term 5:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Patient	Paciente
Grammatical category	Noun	Nombre
Contextual fragment	The patient has made multiple trips to the emergency room, their condition has been stabilized, but the illness continues to progress significantly, affecting their quality of life.	En todos los pacientes que toman corticoides debe medirse el estado de mineralización de sus huesos por medio de una técnica denominada densitometría ósea.

Term 6:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Risk factor	Factor de riesgo
Grammatical category	Noun + noun	Nombre + preposición + adjetivo
Contextual fragment	It's common for people with Alzheimer's disease to suffer from insomnia and other sleep problems. But new research suggests that disrupted sleep isn't just a symptom of Alzheimer's, but a possible risk factor .	Los principales factores de riesgo son: la edad (a mayor edad mayor frecuencia de la enfermedad, mayor gravedad de ésta y mayor posibilidad de múltiples localizaciones articulares); el sexo (sobre todo femenino en cuanto a artrosis de manos y rodillas y el masculino para la artrosis de cadera); la obesidad; la herencia; algunos defectos congénitos de las articulaciones (como en el caso de la cadera); y la sobrecarga física profesional o deportiva.

Term 7:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Care	Cuidado
Grammatical category	Noun	Nombre masculino
Contextual fragment	The hospice team makes regular visits to assess the patient and provide additional care and services, such as speech and physical therapy or to help with bathing and other personal care needs.	Progresivamente perdemos la autonomía y necesitamos más atención y cuidados , en todos los órdenes.

Term 8:

Language	English		Español
Field	Medicine		Medicina
Subfield	Gerontology		Gerontología
Term	Medication	Drug	Medicamento
Grammatical category	Noun	Noun	Nombre
Contextual fragment	During this time, palliative care measures can provide the patient with medication and treatments to control pain and other symptoms, such as constipation, nausea, or shortness of breath.	Take this list with you to ALL of your loved one's medical appointments to help avoid dangerous prescription drugs interactions.	Una vez que se ha producido la pérdida de hueso, el tratamiento irá enfocado a reducir al mínimo el riesgo de fractura, detener esa pérdida de hueso y, en la medida de lo posible, restablecer el hueso perdido para lo que se usan distintos medicamentos que deberá tomar el paciente a largo plazo.

Term 9:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Symptom	Síntoma
Grammatical category	Noun	Nombre masculino
Contextual fragment	During this time, palliative care measures can provide the patient with medication and treatments to control pain and other symptoms , such as constipation, nausea, or shortness of breath.	Algunas personas notan unos síntomas parecidos a los de la gripe, que ocasionalmente pueden deberse a una infección por parvovirus; sin embargo, en la mayoría de los casos la enfermedad aparece de forma espontánea y es de causa desconocida.

Term 10:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Wheelchair	Silla de ruedas
Grammatical category	Noun	Nombre femenino + preposición + nombre femenino
Contextual fragment	Depending on the needs of the person who will use the wheelchair, the doctor or physical therapist will be able to make suggestions for the type of wheelchair to use, what features it should have, and how to use it safely.	Ésta última conlleva más riesgo en su ejecución, ya que implica un cambio de plano, por ejemplo, de la cama a la silla de ruedas, de la silla de ruedas al sofá, de la silla de ruedas al baño

Term 11:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Brain	Cerebro
Grammatical category	Noun	Nombre
Contextual fragment	Exercise protects against Alzheimer's by stimulating the brain's ability to maintain old connections as well as make new ones.	Entre ellos destaca la hipertensión, que puede dañar gravemente el corazón, los riñones y el cerebro , provocando incluso la muerte.

Term 12:

Language	English	Español	
Field	Medicine	Medicina	
Subfield	Gerontology	Gerontología	
Term	Health	Salud	Bienestar
Grammatical category	Noun	Nombre femenino	Nombre masculino
Contextual fragment	If your senior lives in an assisted living facility at some distance from you, one of your concerns will be replenishing your loved one's health care supplies at a reasonable price	Una buena alimentación es importante para una buena salud y una mejor calidad de vida.	Un aspecto importante que se debe tener en cuenta es el de capacitar, formar y apoyar, constantemente, a los familiares y cuidadores de los ancianos, por su propio bienestar y, por tanto, por el bienestar de las personas mayores a las que cuidan.

Term 13:

Language	English		Español		
Field	Medicine		Medicina		
Subfield	Gerontology	Gerontology		Gerontología	
Term	Help		Ayudar	Ayuda	
Grammatical category	Verb	Noun	Verbo	Nombre femenino	
Contextual fragment	Remember that the caregiver's role is to help them maintain as much control over their lives as feasible, not take it away; prescription drugs interactions.	What kind of help does your loved one need long term elder care?	Realizar ejercicio ayuda a minimizar las tensiones diarias y nos permite mantener la fuerza muscular, la coordinación y el equilibrio. 30 minutos de ejercicio al día son suficientes para mejorar la salud.	Los productos de apoyo ofrecen una importante ayuda externa a los cuidadores para superar la incapacidad de su familiar para realizar por sí mismo las Actividades Básicas de la Vida Diaria (ABVD).	

Term 14:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Problem	Problema
Grammatical category	Noun	Nombre
Contextual fragment	Any new health problem in an older person should be considered drug induced until proven otherwise.	La falta de sueño es un problema frecuente entre los cuidadores porque muchas veces cuidar a un familiar significa atenderlo día y noche.

Term 15:

Language	English	Español
Field	Medicine	Medicina
Subfield	Gerontology	Gerontología
Term	Health condition	Estado de salud
Grammatical category	Noun + noun	Nombre masculino + preposición + nombre femenino
Contextual fragment	We've compiled a list of symptoms for some of the most common health conditions afflicting the elderly on our page Symptoms.	Necesitan cuidar de sí mismos para mantener un estado de salud óptimo que les permita poder seguir atendiendo bien a su familiar; cuidar de sí mismos es vital para poder ofrecer calidad de vida a la persona que se cuida.