

Scientometric analysis of dissertations defended in the Russian Federation on biomedical aspects of bioresonance therapy (as of 01.09.2010)

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Scientometric analysis of dissertation works done in Russian Federation on medical and biological aspects of bioresonance therapy (situation for September 1st, 2010)

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#### SUMMARY

Scientometric information studies have shown that to date, 9 dissertations (3 doctoral and 6 candidate's) have been defended in the Russian Federation on bioresonance therapy, of which 7 are in medical (5 specialties) and 2 in biological sciences (2 specialties).

Key words: scientometrics, bioresonance therapy, analysis of dissertations.

#### RESUME

Information scientometric studies have shown that there are nine dissertations in the Russian Federation (3 PhD and 6 candidate) on the topic of bioresonance therapy, 7 are in medical sciences (5 specialties) and 2 in biological sciences (2 specialties).

Keywords: Scientometry, bioresonance therapy, analysis of dissertation works.

Scientometrics is a discipline of science, the subject of which is the study and identification of objective quantitative patterns of scientific activity. One of the leading experts in the field of scientometrics Director Price once defined this area as "the science of science" [1]. J. Bernal is considered to be the founder of scientometrics, who in 1939 published the now classic book "The Social Function of Science" [2]. As a result of the work of V.V. Nalimova and Z.M. Mulchenko, scientometrics in our country has emerged as an independent scientific direction, which is based on "... quantitative methods of studying science as an information process" [3, p. 12]. Measurements in scientometrics has its own specificity, which differs both from measurements in natural sciences and from measurements in sociological research. In principle, any measurement is a process of comparing the objects under study in a certain respect. Comparison, in turn, presupposes the selection of certain properties in the objects, according to which the comparison is made. The evaluation and comparison of a scientific product is carried out using methods accepted in scientometrics, among which are the counting of the number of publications, "content analysis", the citation index, etc. defense for the degree of candidate or doctor of sciences. Each area of knowledge, as it separates and deepens, develops its own special language or scientific "slang", which inadvertently makes it little accessible to specialists in other areas. This is a completely natural process for science, which is fully applicable to such a medical field as traditional medicine. In traditional medicine, which has a long history, there are also relatively "young" methods of treatment, which include bioresonance therapy.

This method of treatment using natural electrical vibrations, fields or human radiation, called bioresonance therapy, is widespread in modern medical practice. Bioresonance therapy is successfully used in Russia, the CIS countries, Germany, Austria, the USA and other countries. As a method of treatment, bioresonance therapy appeared in 1992, when the first devices were created in Germany to use this method in practice [4]. In 1994, devices for bioresonance therapy were approved for production and use in the Russian Federation, and in 2000, the Ministry of Health of the Russian Federation approved

methodical recommendations [5].

This publication presents the results of a scientometric analysis of dissertation papers on bioresonance therapy, defended in the Russian Federation for the degree of candidate or doctor of sciences. The general structure of the distribution of defended dissertations (candidate and doctoral) by year is shown in Fig. 1. The following informational data were analyzed in more detail on the number of dissertations and their distribution by specialties of the Higher Attestation Commission (Table 1), place of defense and organizations (Table 2), doctoral (Table 3) and candidate (Table 4) in medical sciences and candidate (Table 5) in biological sciences.

Table 1

The distribution structure of theses defended in bioresonance therapy in accordance with

specialties of the Higher Attestation Commission

Код специальности ВАК	Наименование специальностей ВАК	Докторские	Кандидатские
<b>МЕДИЦИНСКИЕ НАУКИ</b>			
05.13.01	Системный анализ, управление и обработка информации (медицинские науки)	2	–
14.00.01	Акушерство и гинекология	1	–
14.00.05	Внутренние болезни		1
14.00.09	Педиатрия	–	2
14.00.39	Ревматология	–	1
<b>БИОЛОГИЧЕСКИЕ НАУКИ</b>			
14.00.16	Патологическая физиология	–	1
14.00.51	Восстановительная медицина, спортивная медицина, курортология и физиотерапия	–	1

table 2

The distribution structure of theses defended in bioresonance therapy in accordance with  
place of protection

Место защиты (город, организация)	Докторские	Кандидатские
Воронеж, ГОУ ВПО Воронежская государственная медицинская академия им. Н.Н. Бурденко	1	1
Казань, Казанский государственный медицинский университет	–	1
Москва, Научный центр здоровья детей РАМН, НИИ педиатрии	–	1
Оренбург, Оренбургская государственная медицинская академия	–	1
Пермь, ГОУ ВПО Пермская государственная медицинская академия	–	2
Тула, ГОУ ВПО Тульский государственный университет	1	–
Пушино	–	1

Table 3

Bioresonance therapy dissertations defended for the degree of Doctor  
medical sciences

Ф.И.О.	Тема диссертации	Место защиты	Год	Специальность ВАК
Замалева Р.С.	Нарушения развития плода у беременных с экстрагенитальными заболеваниями, их профилактика и лечение	Казань, Казанский государственный медицинский университет	1999	14.00.01
Чернецова Л.В.	Системный анализ эффектов биорезонансного воздействия в комплексной терапии больных геморрагической лихорадкой с почечным синдромом	Тула, ГОУ ВПО Тульский государственный университет	2008	05.13.01; 14.00.51
Сергеева О.В.	Разработка концептуальных подходов к реабилитации больных с коронарным дефицитом на основе математического моделирования	Воронеж, ГОУ ВПО Воронежская государственная медицинская академия им. Н.Н. Бурденко.	2009	05.13.01

Table 4

Theses in bioresonance therapy, defended for the degree of candidate  
medical sciences

Ф.И.О.	Тема диссертации	Место защиты	Год	Специальность ВАК
Майко О.Ю.	Эффективность применения методов гомеопатической и биорезонансной терапии гонартроза в условиях поликлиники	Оренбург, Оренбургская государственная медицинская академия	2000	14.00.39
Яценко С.В.	Состояние бронхиальной проходимости и реактивности бронхов при комплексном лечении детей с бронхиальной астмой	Москва, Научный центр здоровья детей РАМН, НИИ педиатрии	2001	14.00.09
Кадочникова Г.В.	Аскаридоз у детей, совершенствование диагностики и лечения	Пермь, ГОУ ВПО Пермская государственная медицинская академия	2004	14.00.09
Густомесова Е.Н.	Клинико-лабораторная характеристика и качество жизни больных ревматоидным артритом при использовании в комплексной терапии биорезонансных методов	Воронеж, ГОУ ВПО Воронежская государственная медицинская академия им. Н.Н. Бурденко	2005	14.00.05

Table 5

Theses in bioresonance therapy, defended for the degree of candidate biological sciences

Ф.И.О.	Тема диссертации	Место защиты	Год	Специальность ВАК
Усачева Л.В.	Биологические эффекты биорезонансной терапии в восстановительном лечении при шейном остеохондрозе	Пермь, ГОУ ВПО Пермская государственная медицинская академия	2002	14.00.51
Фунт В.А.	Особенности синтеза стресс белков и антиоксидантной системы в лимфоцитах крови больных ревматоидным артритом	Пушино	2005	14.00.16

In the material presented, only dissertations were used, completely devoted to the treatment of various diseases or rehabilitation, in which the method of bioresonance therapy was used, which was in accordance with the methodological recommendations approved by the Ministry of Health of the Russian Federation [5]. This publication did not include those dissertations that used slightly different methods of treatment, but which have common names and similar interpretations with bioresonance therapy.

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