

Anatomy of Greek e- journal of Perioperative Medicine during 2003-2016

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ABSTRACT

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The present article reviews medical literature in the field of perioperative medicine in Greece and presents statistics about the Greek e-journal of Perioperative Medicine during from 2003 up to 1st issue of 2016.

INTRODUCTION

Presenting clinical and scientific information in a variety of formats for communicating medical information to different audiences remains the key of medical writing. Today, medical writing industry is on an upwards growth path.

Greece is in 24th place, among 235 countries, in SJR ranking in publication of medical articles¹ (Image 1); yet Greek medical writing in industry seems to be still in its youth. Several problems empower this claim; like e.g. the lack

of a national database (like e.g. Pubmed, medInd, KoreaMed, etc); the large (in most cases) interval time from submission to publication, etc.

In the field of anesthesia, intensive care, emergency and perioperative medicine, there are only three medical journals- *Acta Anesthesiologica Hellenica*, published by the Hellenic society of Anesthesiology, *Subjects of anesthesiology and intensive care* and *The Greek electronic journal of Perioperative Medicine*, published by the Society of Anesthesiology and Intensive Care of Northern Greece. Lunched in 1966 *Acta Anesthesiologica Hellenica* is oldest representative. It is an open accessed in-print journal with limited numbers of articles being available from 2014 also in form of digital archive (via the publisher's website). For 2016,

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²IT and Website responsible of the Greek e-journal of Perioperative Medicine

the editors have announced the transition of the journal to electronic form. *Subjects of Anesthesiology and Intensive Care* includes only invited articles-reviews for topic-dedicated issues. First published in 1990, it also follows printed format with digital archiving of the published articles in the Society's website. The last available issue was released in 2014.

Image 1. Snapshot of country ranking as presented in SJR website.

(http://www.scimagojr.com/countryrank.php?area=2700&category=0®ion=all&year=all&order=it&min=0&min_type=it)

	Country	Documents	Citable documents	Citations	Self-Citations	Citations per Document	H index
1	United States	2,767,046	2,458,698	66,409,325	32,347,323	26,78	1,135
2	United Kingdom	793,821	667,928	17,130,073	3,877,256	23,62	749
3	Germany	662,080	596,487	11,791,467	2,776,132	19,25	616
4	Japan	592,855	560,351	8,370,575	2,132,118	14,72	458
5	France	458,043	412,281	8,036,466	1,507,041	18,79	598
6	China	429,329	414,989	2,763,711	1,074,409	9,83	274
7	Italy	422,848	375,604	7,562,833	1,489,914	19,89	559
8	Canada	365,083	328,361	8,650,940	1,433,040	27,95	628
9	Spain	303,933	260,223	4,013,232	822,135	14,91	438
10	Australia	276,773	242,263	5,340,897	992,594	23,46	486
11	Netherlands	263,863	238,757	6,523,463	1,046,219	28,54	552
12	India	207,909	177,989	1,414,608	425,001	9,19	216
13	Brazil	171,981	160,024	1,680,619	495,024	12,88	280
14	Switzerland	169,269	153,372	3,995,562	454,166	27,11	497
15	Turkey	166,385	149,598	1,114,316	217,894	8,48	181
16	Sweden	160,237	148,940	4,020,665	573,540	27,69	466
17	South Korea	148,340	139,629	1,632,995	291,728	16,33	237
18	Belgium	125,508	114,225	2,877,770	330,756	25,52	439
19	Taiwan	106,727	99,594	1,277,467	234,513	14,39	233

The Greek electronic journal of Perioperative Medicine (Greek ej Periop Med)

The *Greek ej Periop Med.*, represents (till 2016) the only pure electronic representative.

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First published in 2003, as an attempt to fill the gap of a national electronic journal in the field, it now continues its track through “network world”.

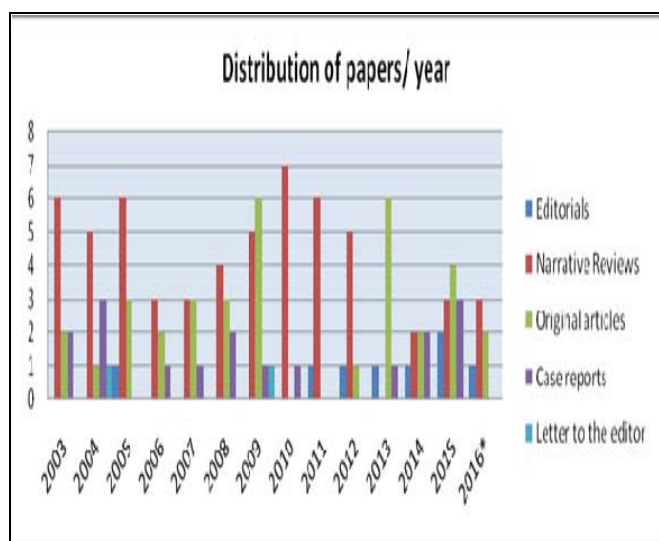
Taken from a search in the SJR base, the number of articles in the 3 fields of *Gr ej Periop Med* interest is seen in Table 1.

Table 1. Published documents in Country search “Greek” per subject area¹.

Year	Emergency medicine	Critical Care	Anesthesiology and Pain medicine
2003	9	37	28
2004	14	49	29
2005	20	80	37
2006	31	71	45
2007	44	90	65
2008	59	82	62
2009	59	70	74
2010	44	93	54
2011	65	75	67
2012	55	93	45
2013	48	70	47
2014	49	83	72

Up to now, the *Gr ej Periop Med* journal published mainly original articles, reviews and case reports (Figure 1). Original articles include experimental and observational trials, mainly cohort, case series and surveys studies. Till now, no systemic review or meta-analysis is presented in the journal's website.

Figure 1. Distribution of paper per year (including 1st issue of 2016)



Yet, others forms of published documents (e.g. images, etc) are under evaluation for the future. International collaboration was generally small, considering the fact that up to 2014, the journal was targeting only national audience (Figure 2, Table 2).

Figure 2. International collaboration in published papers (including 1st issue of 2016)

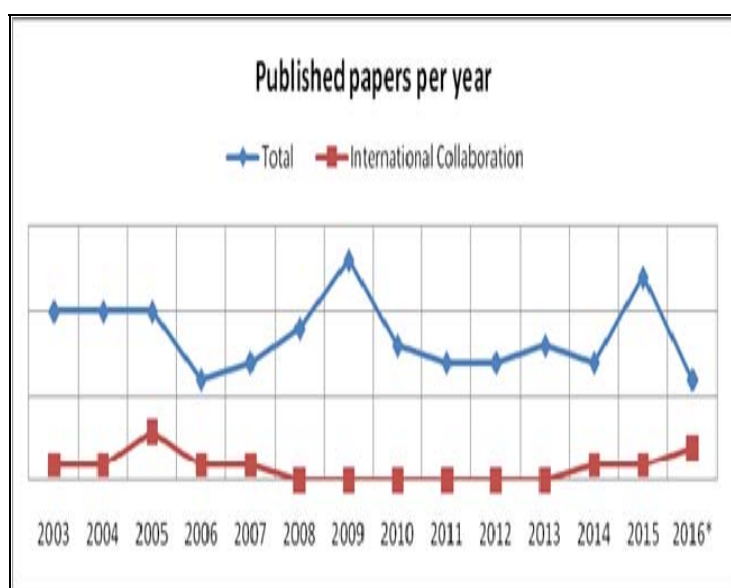


Table 2. References per document (mean) and percentage of in international collaboration.

Year	2003	2004	2005	2006	2007	2008	2009
Ref/Doc	16,6	37,3	30,8	34,1	32,8	73,2	34,7
International collaboration %	10	10	30	16,7	14,3	0	0
International collaboration % in medical articles published from Greece ¹	28,3	27,9	28,9	29,1	32,4	32,2	32,8
Year	2010	2011	2012	2013	2014	2015	2016
Ref/Doc	46,7	22,3	30,4	38,4	26,8	30,4	20
International collaboration %	0	0	0	0	14,3	8,3	33,3
International collaboration % in medical articles published from Greece ¹	33,2	34,9	40,9	43,1	46,7	NA	NA

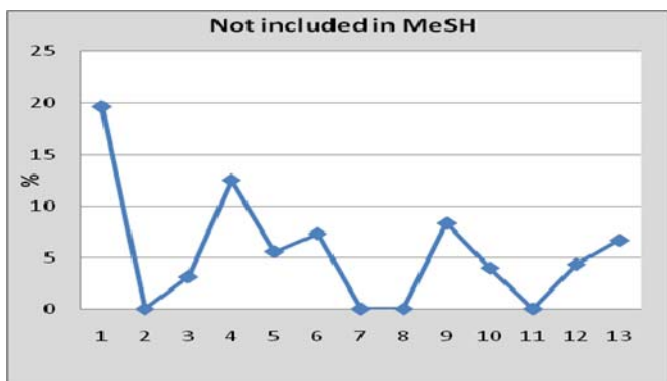
Reference/document are 34,1 (range 20-73.2), still small considering the overall contribution to Greek-origin medical articles¹.

Other interesting facts about the journal are the used Key words. In 15 published issues (2003-2015), and a total 114 articles, 429 Key words were recorded (responding to 99 articles, 15 documents did not use any Key words). The majority of them is included in Medical Subjects Heading (MeSH) Database^{2,3}, revealing an attempt to keep high standards from “day one” (Table 3, Figure 3).

Table 3. Distribution of different keywords per year and per article.

Year	Words/yr	Words/yr/article	Not in MeSH
2003	51	5,1	10
2004	26	2,6	0
2005	32	3,2	1
2006	24	4	3
2007	36	5,14	2
2008	41	4,56	3
2009	55	4,23	0
2010	30	3,75	0
2011	26	4,33	2
2012	25	4,17	1
2013	32	4,57	0
2014	23	3,83	1
2015	30	3	3

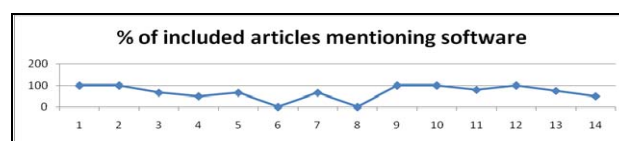
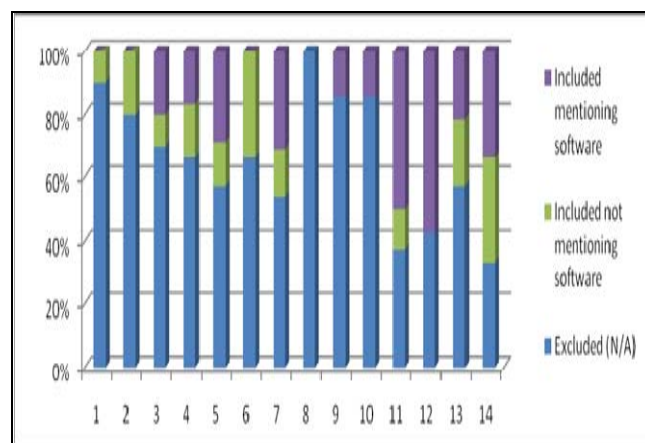
Figure 3. Percentage of Keywords not included in MeSH per year of publication



Mention of the means (software) of statistical analysis of the articles was also made. Considering the fact that every tool-software has its drawback, this minor yet important note in the article text (when applicable) is essential. Results from archives of *Gr ej Periop Med.* shows that even though the majority of the ar-

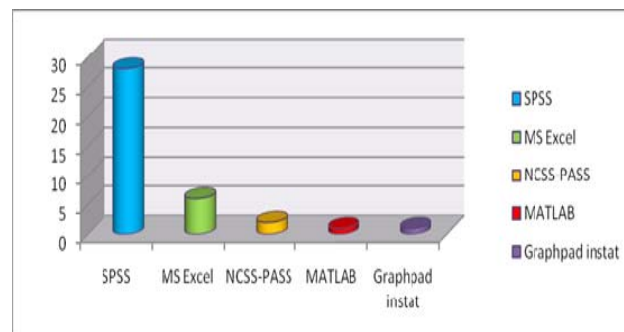
ticles do mention the software used for the statistical analysis, more steps towards this goal remain (Figure 4).

Figure 4. Percentage of articles mentioning tool used for statistical analysis



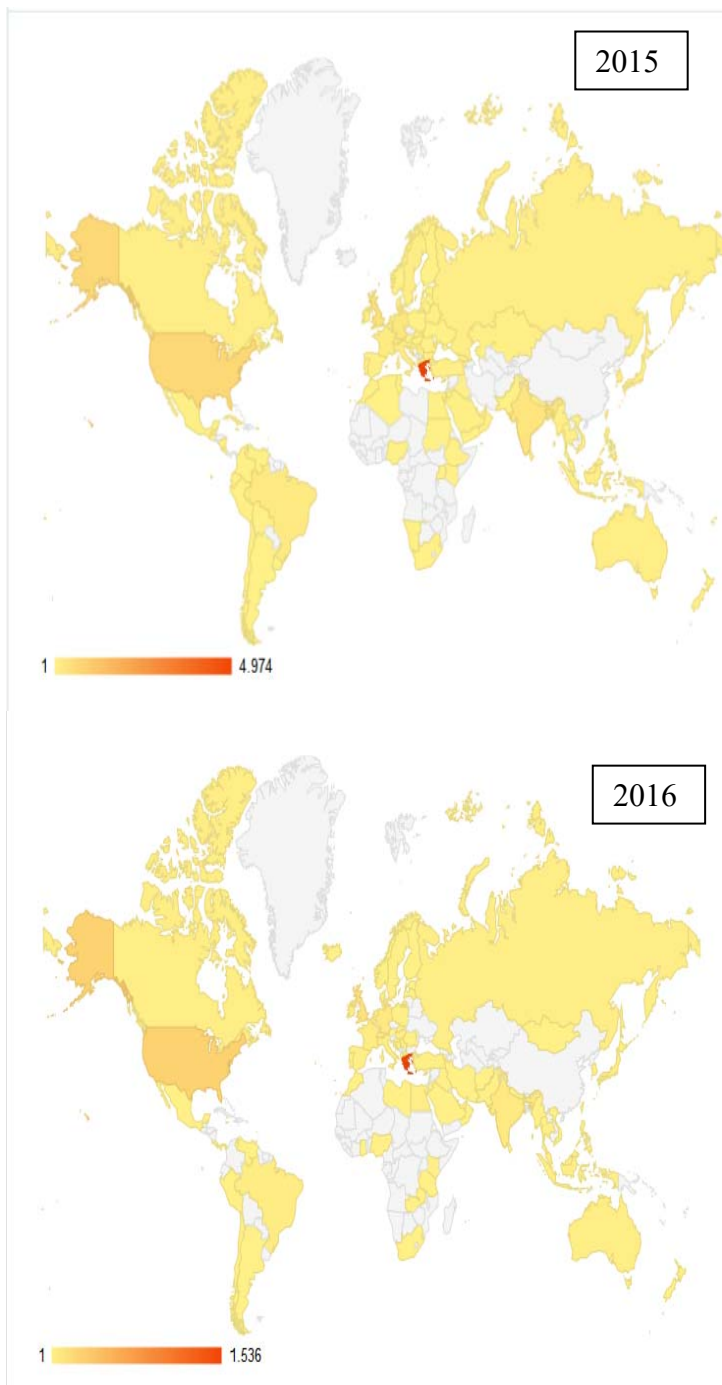
In addition, author's preferences about the software itself gives a small idea about the overall use of statistical software among authors (Figure 5).

Figure 5. Preferences of statistical software among *Gr rj Periop Med.* Authors



Overall, visibility of the journal for 2015 and 2016 (1st issue) is presented in Image 2.

Image 2. Visitors of the journal’s website during 2015 and 2016 (till 010/3/2016)



Year	2014	2015	2016
<i>Views</i>	2977	8598	2608
<i>Visitor</i>	645	3475	1228
<i>View/visitor</i>	4,62	2,47	2,12

The visibility of the journal since its first modification to target international audit in 2014 seems to pay off.

Bibliographic information about the journal are available in the journal’s website, thus it was omitted from this article. “Impact factor” mention, self-citation and citation analysis are under investigation for future presentation.

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3. Teixeira Renan Kleber Costa, Gonçalves Thiago Barbosa, Yamaki Vitor Nagai, Botelho Nara Macedo, Brito Marcus Vinicius Henriques. Evaluation of the key words used in articles of the Acta

Table 4. Journal’s website statistics for the year 2014, 2015 and the first 2 months of 2016.

Cirurgica Brasileira from 1997 to 2012. Acta Cir. Bras. 2012 ;27: 350-354

Key words: medical literature, medical writing, perioperative medicine.

Author Disclosures:

Author Aslanidis Th, Filippidis P have no conflicts of interest or financial ties to disclose.

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