

JOURNAL ANALYSIS ON OPHTHALMOLOGY AND OTHERS

Análise dos periódicos da oftalmologia e outros

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ABSTRACT

Objective: To update knowledge and methods to access and view the journals included in Qualis of CAPES Medicine III, and how to measure the impact factor. **Method:** Document review on the attempt to verify the way Qualis uses for ranking journals cited by the post-graduate programs of Medicine III in their evaluation periods, and the impact factors obtained by journals indexing base. **Results:** The classification is annual and are ranking in strata ranging from A1, the highest, and A2; B1; B2; B3; B4; B5; C. The latter has zero evaluation weight. These strata take as reference the impact factor of the journals listed by the programs. The same journal can be classified into different Qualis in other areas, and this is no inconsistency, but expressed the assigned value, in each area, at that particular journal. The Impact Factor is measured using the Journal of Citation Report in Web of Knowledge website. **Conclusion:** Using the criteria established by WebQualis for stratification of journals there is a quality guidance of what is produced by the program and, based on it, can be made scientific comparison of program performance. Consulting the JCR is recommended because it defines exactly what is the journal's impact factor; Qualis stratifies numerical intervals and not individual journal specificity.

Key Words: Impact factor. Educational Measurement. Ophthalmology.

INTRODUCTION

The Qualis is a tool used by Capes for stratification of scientific journals that post-graduate programs (PPG) uses for publication. The classification of these journals is divided by area of assessment, in this case, Medicine III or PPG surgical area. The Qualis is designed to meet the specific needs of the PPG evaluation system by CAPES and is based on information provided by the Data Collection/Sucupira Platform.

The objective of this review is to update the knowledge of the means and methods to access and view the journals of the Qualis of Medicine III of CAPES.

METHODS

Consultation was done on the intellectual production classification held in Qualis Periodicals available in <http://www.capes.gov.br/avaliacao/instrumentos-de-apoio/classificacao-da-producao-intelectual> and "Journal of Citation Report (JCR)" (ISI Web of Knowledge, Thomson Reuters available in http://admin-apps-webofknowledge.ez69.periodicos.capes.gov.br/JCR/JCR?RQ=LIST_SUMMARY_JOURNAL&cursor=412, both accessed on March 22, 2015.

Special attempt was to analyze the way used by Qualis for ranking journals listed by all Medicine III post-graduate programs in their evaluation periods, and the impact factors obtained by the journals.

RESULT

Classification undergoes annual update process, stratified from A1, the highest, to A2; B1; B2; B3; B4; B5; C. The latter has zero weight in the evaluation process. The same journal can be classified into different Qualis in other areas, and this is no inconsistency, but expressed the assigned value in each area that one particular journal has. As CAPES points out, it is not the intention with this rating - that is specific to the process of evaluation of each area - to set the absolute quality of journals. The browser to access the classification and consulting Qualis areas, as well as disclosure of the criteria used for the journals classification, is named WebQualis. It can be accessed by going to the home web page of CAPES portal and choosing "Nossas Ações" by "Avaliação" page (Figure 1). Once on this page, in the end, there is a "link" to access the WebQualis (Figure 2).



FIGURE 1 - CAPES electronic site with the homepage where there is access to "Nossas Ações"

FIGURE 2 - CAPES electronic site with the homepage where, at the end, there is a "link" to access the WebQualis

Once in WebQualis page will be found on the far right "Consultar" with the options of "Classificação" or "Critérios Qualis por área". In the latter, there is access to the document that explains the criteria of the area, in this case Medicine III, for the classification of journals. Once in the "Classificação" page, it can be consulted the journal for its ISSN, title, by rating/assessment area (journals A1, A2, etc.) or access to the full list of all journals.

Qualis does not provide only medical journals, because researchers must be open to the possibility of publish in journals that do not fall within the medical field. Still, it does not provide the specific impact factor of each journal. For this,

data not covered by the Qualis can be found on database "Journal of Citation Report (JCR)" (ISI Web of Knowledge, Thomson Reuters).

To access the JCR and to know the journals impact factor, must enter Portal de Periódicos CAPES/MEC, and the sector "Busca" to access the "Buscar Base" page. Once in the JCR (Figure 3) in the left option ("Select the JCR edition and year") should be noted in the "JCR Science Edition" the year wanted to be searched, the most recent is 2013. To the right are the options "View the group of journals by", "Search for a specific journal" or "View all journals". To get journals in specific area should be accessed "View the group of journals by" and in it choose the "subject category", in this case Ophthalmology (Figure 4).

Select a JCR edition and year:	Select an option:
<input checked="" type="radio"/> JCR Science Edition 2013 <input type="radio"/> JCR Social Sciences Edition 2013	<input checked="" type="radio"/> View a group of journals by Subject Category <input type="radio"/> Search for a specific journal <input type="radio"/> View all journals
Submit	

FIGURE 3 - Electronic site of "Journal of Citation Report (JCR)" (ISI Web of Knowledge, Thomson Reuters) in which, the option on left "JCR Science Edition" should mark the year wanted to be searched. On the right should be chosen "View the group of journals by"

1) Select one or more categories from the list. (How to select more than one)	NURSING NUTRITION & DIETETICS OBSTETRICS & GYNECOLOGY OCEANOGRAPHY ONCOLOGY OPERATIONS RESEARCH & MANAGEMENT SCIENCE OPHTHALMOLOGY OPTICS ORNITHOLOGY
2) Select to view Journal data or aggregate Category data.	<input checked="" type="radio"/> View Journal Data - sort by: Journal Title <input type="radio"/> View Category Data - sort by: Category Title
SUBMIT	

FIGURE 4 - Electronic site of the JCR with the chosen Ophthalmology journals in the "View the group of journals by"

Once entering the Ophthalmology page can be arranged scientific journals for various items (journal title, total citations, etc.); in this case chooses the "impact factor" (Figure 5).

Mark	Rank	Abbreviated Journal Title (Ordered by journal information)	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score
<input type="checkbox"/>	1	PROG RETIN EYE RES	1350-9462	3875	9.897	11.207	1.381	42	7.4	0.05943	3.614
<input type="checkbox"/>	2	OPHTHALMOLOGY	0161-6420	28188	6.176	4.199	1.197	364	8.3	0.05332	1.914
<input type="checkbox"/>	3	ARCH OPHTHALMOL-CHIC	0003-9950	18779	4.488	4.481		0	>10.0	0.02475	1.033
<input type="checkbox"/>	4	OCUL SURF	1542-0124	871	4.232	4.039	1.143	7	6.3	0.00153	1.210
<input type="checkbox"/>	5	AM J OPHTHALMOL	0002-9394	20168	4.021	4.535	0.777	292	9.5	0.03201	1.489
<input type="checkbox"/>	6	INVEST OPHTH VIS SCI	0146-0404	43062	3.661	3.754	0.649	977	7.4	0.07613	1.002
<input type="checkbox"/>	7	SURV OPHTHALMOL	0039-6257	4067	3.507	3.686	0.480	50	>10.0	0.00927	1.166
<input type="checkbox"/>	8	RETINA-J RET VIT DIS	0275-004X	8515	3.177	3.047	0.835	244	5.3	0.01214	0.866
<input type="checkbox"/>	9	EXP EYE RES	0014-4835	9016	3.017	3.287	0.438	240	8.0	0.01434	0.870
<input type="checkbox"/>	10	BRIT J OPHTHALMOL	0007-1161	15926	2.809	2.967	0.570	291	9.4	0.02523	0.956
<input type="checkbox"/>	11	J REFRACT SURG	1081-597X	3295	2.781	2.743	0.395	119	5.7	0.01007	0.964
<input type="checkbox"/>	12	J VISION	1534-7362	6901	2.727	3.075	0.542	306	4.8	0.03040	1.240

FIGURE 5 - JCR site with journals arranged by Impact Factor

Currently the JCR list 58 specific scientific journals in the area of Ophthalmology. If the impact factors of them are analyzed by the average, obtains 2.109 and with the median 1.801. The journal with highest impact factor is 9.897 ("Progress in Retinal and Eye Research") and the lowest is 0.163 (Brazilian Journal of Ophthalmology). Stratification of journals in WebQualis for Medicine III in the 2010-2012 period was determined as: A1 ≥ 4 ; A2 $\geq 2,85$; B1 $\geq 1,6$; B2 $\geq 0,8$; B3 $\geq 0,01$; B4 journals cited in Medline, SciELO, Lilac; B5 journals cited in other bases. Focusing on Ophthalmology journals cited by JCR can be inferred that, by the year 2013 - the last year this base was updated - WebQualis A1 has the possibility of publishing in six journals; A2 in four; B1, in 23; B2, in 18, B3 in seven journals (Table 1).

TABLE 1 - Journals listed in the "Journal of Citation Report (JCR)" (ISI Web of Knowledge, Thomson Reuters) classified by Qualis and Impact Factor

Rank	Qualis	Abbreviated Journal Title	ISSN	Impact Factor	5y Impact
1	A1	PROG RETIN EYE RES	1350-9462	9.897	11.207
2	A1	OPHTHALMOLOGY	0161-6420	6.17	6.195
3	A1	JAMA OPHTHALMOL	2168-6165	4.49	
4	A1	ARCH OPHTHALMOL	0003-9950	4.488	4.481
5	A1	OCUL SURF	1542-0124	4.212	4.039
6	A1	AM J OPHTHALMOL	0002-9394	4.021	4.535
7	A2	INVEST OPHTH VIS SCI	0146-0404	3.661	3.754
8	A2	SURV OPHTHALMOL	0039-6257	3.507	3.686
9	A2	RETINA-J RET VIT DIS	0275-004X	3.177	3.047
10	A2	EXP EYE RES	0014-4835	3.017	3.087
11	B1	BRIT J OPHTHALMOL	0007-1161	2.809	2.967
12	B1	J REFRACT SURG	1081-597X	2.781	2.743
13	B1	J VISION	1534-7362	2.727	3.075
14	B1	OPHTHAL PHYSI OPT	0275-5408	2.664	1.743
15	B1	CURR OPIN OPHTHALMOL	1040-8738	2.638	2.704
16	B1	J CATARACT REFR SURG	0886-3350	2.552	2.766
17	B1	ACTA OPHTHALMOL	1755-375X	2.512	2.538
18	B1	J GLAUCOMA	1057-0829	2.427	2.297
19	B1	VISION RES	0042-6989	2.381	2.551
20	B1	CORNEA	0277-3740	2.36	2.239
21	B1	GRAEF ARCH CLIN EXP	0721-832X	2.333	2.274
22	B1	MOL VIS	1090-0535	2.245	2.433
23	B1	OPTOMETRY VISION SCI	1040-5488	2.038	2.331
24	B1	CONTACT LENS ANTERIO	1367-0484	2	
25	B1	CLIN EXP OPHTHALMOL	1442-6404	1.953	2.158
26	B1	J OPHTHALMOL	2090-004X	1.935	1.852
27	B1	EYE	0950-222X	1.897	1.943
28	B1	OPHTHALMOLOGICA	0030-3755	1.867	1.454
29	B1	J NEURO-OPHTHALMOL	1070-8022	1.807	1.504
30	B1	JPN J OPHTHALMOL	0021-5155	1.795	1.587
31	B1	EYE CONTACT LENS	1542-2321	1.679	1.92
32	B1	VISUAL NEUROSCI	0952-5238	1.676	1.705
33	B1	CURR EYE RES	0271-3683	1.663	1.751
34	B2	OCUL IMMUNOL INFLAMM	0927-3948	1.44	1.381
35	B2	J OCUL PHARMACOL TH	1080-7683	1.42	1.467
36	B2	OPHTHALMIC RES	0030-3747	1.376	1.312
37	B2	OPTOMETRY	1529-1839	1.339	1.399
38	B2	OPHTHAL SURG LAS IM	1542-8877	1.318	1.088
39	B2	CAN J OPHTHALMOL	0008-4182	1.299	1.568
40	B2	OPHTHAL EPIDEMIOL	0928-6586	1.271	1.794
41	B2	CLIN EXP OPTOM	0816-4622	1.256	1.255
42	B2	OPHTHALMIC GENET	1381-6810	1.233	1.225
43	B2	SEMIN OPHTHALMOL	0882-0538	1.196	
44	B2	J AAPOS	1091-8531	1.142	1.25
45	B2	DOC OPHTHALMOL	0012-4486	1.108	1.798
46	B2	BMC OPHTHALMOL	1471-2415	1.075	1.52
47	B2	EUR J OPHTHALMOL	1120-6721	1.058	1.006
48	B2	J EYE MOVEMENT RES	1995-8692	1.056	1.427
49	B2	INDIAN J OPHTHALMOL	0301-4738	0.927	0.98
50	B2	CUTAN OCUL TOXICOL	1556-9527	0.92	0.987
51	B2	OPHTHAL PLAST RECONS	0740-9303	0.914	0.895
52	B3	J PEDIAT OPHTH STRAB	0191-3913	0.731	0.868
53	B3	OPHTHALMOLOGE	0941-293X	0.719	0.676
54	B3	KLIN MONATSBL AUGENH	0023-2165	0.665	0.526
55	B3	INT J OPHTHALMOL	2222-3959	0.5	0.302
56	B3	ARQ BRAS OPTALMOL	0004-2749	0.44	0.518
57	B3	J FR OPHTALMOL	0181-5512	0.361	0.455
58	B3	REV BRAS OPTALMOL	0034-7280	0.163	0.192

DISCUSSION

Using the criteria established by WebQualis as guidance for stratification of journals that the areas use in the periodic evaluations, it is possible to quantify what is produced in the programs and, based on it, can be made scientific comparisons in post-graduate programs performance. In additional purpose, JCR consultation offers exactly what is the journal's impact factor, as far as Qualis stratifies numerical intervals but not individual journal specificity.

These two consultations together give security to the program, and the possibility to quantify himself the quality of what was produced scientifically.

RESUMO

Objetivo: Atualização do conhecimento dos meios e métodos de acessar e visualizar os periódicos do Qualis da Medicina III da CAPES e a mensuração do Fator de Impacto. **Método:** Buscou-se verificar a forma utilizada pelo Qualis para classificar os periódicos referidos pelos programas de pós-graduação da Medicina III em seus períodos de avaliação e os fatores de impacto obtidos pelas revistas em base indexadora. **Resultados:** A classificação é anual e são enquadrados em estratos que variam de A1, o mais elevado, a A2; B1; B2; B3; B4; B5; C. Este último tem peso zero. Esses estratos levam como referência o Fator de Impacto dos periódicos referidos pelos programas. Um mesmo periódico pode ter classificação em Qualis diferentes em outras áreas, e isto não constitui inconsistência, mas expressa o valor atribuído, em cada área, àquela determinada revista científica. O Fator de Impacto é mensurado navegando-se no site do Journal of Citation Report da Web of Knowledge. **Conclusão:** A utilização dos critérios estabelecidos pelo WebQualis para estratificação dos periódicos é norteadora da qualidade do que se produz nos programas e, com base nela, pode-se fazer comparações de desempenho científico. Já a consulta ao JCR é complementarmente adequada de ser feita porque define com exatidão qual é o fator de impacto da revista, em função de que o Qualis estratifica faixas numéricas e não especificidade individual do periódico.

Descritores: Avaliação educacional. Fator de impacto. Oftamologia.

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