

Upgrading instructions for authors

Armen Yuri Gasparyan, MD, PhD, FESC
Associate Professor of Medicine
Member, World Association of Medical Editors
Member, European Association of Science Editors

Main suggestions

- ✓ Detailed instructions are tools for indexing
- ✓ No strict rules or regulations
- ✓ Objective to improve the quality of communication
- ✓ Examples of leading journals are helpful

	Title	Туре	SJR	H index
1	Nature	j	21,323	829
2	Science	j	12,465	801
3	New England Journal of Medicine	j	13,514	708
4	Cell	j	28,272	555
5	Proceedings of the National Academy of Sciences of the United States	j	7,048	529
6	Lancet, The	j	11,563	514
7	JAMA - Journal of the American Medical Association	j	6,278	491
8	Circulation	j	8,202	460
9	Chemical Reviews	j	23,543	440
10	Nature Genetics	j	24,052	423

Common sections

- Scope and priority of the journal
- Peer review statistics
- Authorship policy
- Formatting
- Plagiarism, duplication, retraction and other ethical policies
- Publication fees, open access models
- Adherence to editorial recommendations (associations)

Complete list of essentials



SCIENCE COMMUNICATION

Croat Med J. 2014;55:271-80 doi: 10.3325/cmj.2014.55.271

Upgrading instructions for authors of scholarly journals

BOX 1. Main sections of the instructions for authors of scholarly journals

Subject areas and specific scope of the journal

Types of published articles and their priority for the journal

Preparation and formatting of all sections of manuscripts, covering letters, and supplementary materials

Research reporting guidelines to consult

Internal and external peer review policy

Online registration and submission guide

Research ethics considerations

Authorship criteria and authors' contribution details

Conflicts of interest disclosures

Definition of plagiarism and related procedures

Ethical considerations for duplicate (redundant) and secondary publications and retractions

Copyright forms and licenses

Open access models employed

Publication and open access charges

- · Writing for The Lancet
- Writing for The Lancet Diabetes & Endocrinology
- · Writing for The Lancet Global Health
- Writing for The Lancet Haematology
- . Writing for The Lancet HIV
- · Writing for The Lancet Infectious Diseases
- · Writing for The Lancet Neurology
- Writing for The Lancet Oncology
- Writing for The Lancet Psychiatry
- Writing for The Lancet Respiratory Medicine
- Protocol Reviews
- The Ombudsman
- Access to content on the Lancet.com
- <u>Committee on Publication Ethics</u> (COPE): The Lancet journals follow th Conduct
- · Conference abstracts

THE LANCET

Information for Authors

- · How to submit your paper or correspondence
- Statements, permissions, and signatures
 - Authors and contributors
 - Declaration of interests
 - Role of the funding source
 - Role of medical writer or editor
 - Patient and other consents
 - Signatures
- Types of article and manuscript requirements
- Formatting guidelines
- Guidelines for web extra material
- Disclosure of results before publication
- Fast-track publication
- Online First publication
- Protocol review
- How The Lancet handles your paper
- Open access and funding
- What happens after publication?

http://download.thelancet.com/flatcontentassets/authors/lancet-information-for-authors.pdf



TABLE 1. Publishing priorities in the Croatian Medical Journal

	Acceptance	Useful guidelines for the content and structure of the manuscript				
Topics of the manuscript	priority	general	specific			
Basic sciences	high	relevant for medicine	completed testing of a defined hypothesis			
Clinical sciences	high	proper study design	clear and simple hypothesis, adequate sample size, controls, and statistics			
Translational research	high	connects basic and clinical medicine	relevance and aplication of molecular studies for medicine			
Public health	high	originality of research data	no compilations of publicly available data (eg, from WHO)			
Health care organization	low	of international importance, not (only) plans for the future	not descriptive; only with a hypothesis, and concrete data; scientific analysis			
Health and human rights	low	no politics; the work has to deal with health	no commentaries; the report should contain analysis of concrete data			
Medical education	low	research data	no commentaries; the report should contain analysis of concrete data			
Types of articles						
Original research articles	absolute preference	completed and high-quality work	clear hypothesis; strong, databased arguments			
Reviews	solicited only	on a relevant subject	significant own previous publications			
Short communications	low	absolutely important to be published fast	the case must be strong			

http://neuron.mefst.hr/docs/CMJ/guidelines/CMJ_55%281%29_GUIDELINES.pdf

Peer review transparency

- Internal and external review
- N of reviewers (>1) for different articles
- Single-, double-blind, or open
- Duration of 1st round of review
- Do authors list potential reviewers?
- Fast-track review?
- Submission and acceptance dates are checked by indexers

Croat Med J, 2014;55;271-80 doi: 10.3325/cmj,2014,55,271

Peer review model - mentioned in only 10 (22.7%) N of external reviewers – in 11 (25%) rheumatology journals (44).

TABLE 1. Statements on peer review in the online instructions of rheumatology journals listed in the SCImago database*

				Peer	Open		Statistical	Policy for	Author
				review	review	N of	reviewer	editors'	suggest
Rank	Abbreviated journal titles	H index	2-y JIF	type	option	reviewers	involved	submissions	reviewers
1	Arthritis Rheum	211	7.477	?	?	?	-	+	+
2	Ann Rheum Dis	132	9.111	?	+	≥1	+	+	-
3	J Rheumatol	124	3.258	?	?	1-3	-	-	-
4	Rheumatology	106	4.212	SB	-	?	-	+	+
5	Arthritis Res Ther	84	4.302	?	?	2	-	-	-
6	Arthritis Care Res	82	3.731	?	-	?	-	-	+
7	Semin Arthritis Rheum	73	3.806	?	-	?	-	-	+
8	Clin Exp Rheumatol	62	2.655	-	-	-	-	-	-
9	Rheum Dis Clin North Am	61	2.096	-	-	-	-	-	-
10	Nat Rev Rheumatol	52	9.745	?	-	3	-	-	-
11	Joint Bone Spine	43	2.748	?	-	?	-	-	-
12	Rheumatol int	43	2.214	DB	-	?	-	-	-
13	BMC Musculoskelet Dis	41	1.875	-	+	2	-	-	+
14	Curr Rheumatol Rep	37	-	?	-	?	-	-	-
15	Z Rheumatol	31	0.450	?	-	?	-	-	-
16	J Clin Rheumatol	29	1.183	?	-	?	-	-	-
17	Rev Rhum (Edition Française)	28	-	?	-	?	-	-	-
18	Bull NYU Hosp Jt Dis	26	-	?	-	?	-	-	-
19	J Musculoskelet Pain	25	0.328	DB	-	?	-	-	+
20	Reumatismo	13	-	?	-	?	-	-	-



- Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation
 of data for the work; AND
- . Drafting the work or revising it critically for important intellectual content; AND
- Final approval of the version to be published; AND
- Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

Explicit statements on authorship are absent in 35%-85% of biomedical journals.

TABLE 2. Statements on authorship criteria in the online instructions of rheumatology journals listed in the SCImago database*

Rank	Abbreviated journal titles	H index	2-y JIF	Authorship criteria listed	Updated ICMJE criteria (2013) mentioned
1	Arthritis Rheum	211	7.477	+	NA
2	Ann Rheum Dis	132	9.111	+	+
3	J Rheumatol	124	3.258	+	NA
4	Rheumatology	106	4.212	+	+
5	Arthritis Res Ther	84	4.302	+	+
6	Arthritis Care Res	82	3.731	+	NA
7	Semin Arthritis Rheum	73	3.806	NA	NA
8	Clin Exp Rheumatol	62	2.655	NA	NA
9	Rheum Dis Clin North Am	61	2.096	NA	NA
10	Nat Rev Rheumatol	52	9.745	NA	NA
11	Joint Bone Spine	43	2.748	NA	NA
12	Rheumatol int	43	2.214	NA	NA
13	BMC Musculoskelet Dis	41	1.875	+	+
14	Curr Rheumatol Rep	37	-	NA	NA

- ✓ Statements on authorship were present in 13 (29.5%) rheumatology journals.
- √4 criteria are in 8 (18.2%) rheumatology journals

- 399 high-impact biomedical journals scanned
- Most mandated disclosure of authors' financial (90%) and nonfinancial conflicts (70%)
- Only 39% mandated the editors' disclosures

Original Article





Xavier Bosch*, Juan M. Pericas, Cristina Hernández and Pamela Doti

Article first published online: 1 APR 2013

DOI: 10.1111/eci.12090

© 2013 Stichting European Society for Clinical Investigation Journal Foundation. Published by John Wiley & Sons Ltd Issue



European Journal of Clinical Investigation

Volume 43, Issue 7, pages 660–667, July 2013

SCIENCE COMMUNICATION

Croat Med J. 2013;54;600-8 doi: 10.3325/cmj.2013.54,600

Conflicts of interest in biomedical publications: considerations for authors, peer reviewers, and editors



TABLE 3. Main recommendations of learned associations on conflic

Associations	Documents	Year of last update
International Committee of Medical Journal Editors (ICMJE)	Roles and Responsibilities of Authors, Contributors, Reviewers, Editors, Publishers, and Owners: Author Responsibilities—Conflicts of Interest.	
	ICMJE Form for Disclosure of Potential Conflicts of Interest	2 V
World Association of Medical Editors (WAME)	Conflict of Interest in Peer-Reviewed Medical Journals	2009 T e r Ł
Committee on Publicatio Ethics (COPE)	Code of Conduct and Best Practice Guidelines for Journal Editors	2011 J r r
Office of Research Integrity (ORI)	A brief overview on Conflict of Interests	2013 T c r
Council of Sci- ence Editors (CSE)	CSE's White Paper on Promoting Integrity in Scientific Journal Publications	2012 T
European Asso- ciation of Science	EASE Guidelines for Authors and Translators of Scientific Articles to Be	2013 T

Research reporting guidance



Enhancing the QUAlity and Transparency Of health Research

http://www.equator-network.org/



Key reporting guidelines

CONSORT Full Record | Checklist | Flow Diagram

STROBE Full Record | Checklist

PRISMA Full Record | Checklist | Flow Diagram

STARD Full Record | Checklist | Flow Diagram

COREQ Full Record
ENTREQ Full Record

SQUIRE Full Record | Checklist

CARE Full Record | Checklist

SAMPL Full Record

SPIRIT Full Record | Checklist



Retracted publications in MEDLINE (1966-2008)
Of the 213 retracted misconduct publications,
42% - for plagiarism, 52% - for
falsification/fabrication



Publication misconduct and plagiarism retractions: a systematic, retrospective study

October 2012, Vol. 28, No. 10, Pages 1575-1583 (doi:10.1185/03007995.2012.728131)

Serina Stretton, Narelle J. Bramich, Janelle R. Keys, Julie A. Monk, Julie A. Ely, Cassandra Haley, Mark J. Woolley, and Karen L. Woolley

HTML

PDF (230 KB)

TABLE 2. Impact indicators duplicate and retracted publications of the fifty most productive countries*

Rank	Country	Total No. of articles	<i>h</i> index	Duplicate items No. (%)	Retracted items No. (%)
1	United States	7 063 329	1380	149 (13.7)	523 (17.4)
2	China	2680395	385	38(3.5)	272 (9.1)
3	United Kingdom	1 918 650	851	20 (1.8)	92 (3.1)
4	Germany	1 782 920	740	29 (2.7)	210 (7.0)
5	Japan	1776473	635	43 (4.0)	326 (10.9)
6	France	1 283 370	681	35 (3.2)	41 (1.4)
7	Canada	993 461	658	38 (3.5)	67 (2.2)
8	Italy	959688	588	36 (3.3)	60 (2.0)
9	Spain	759811	476	22 (2.0)	37 (1.2)
10	India	750 777	301	24 (2.2)	160 (5.3)
11	Australia	683 585	514	21 (1.9)	45 (1.5)
12	Russian Federation	586646	325	5 (0.4)	3 (0.1)
13	South Korea	578 625	333	14 (1.3)	122 (4.1)

Instructions on duplication and retractions are not globally available

SCIENCE COMMUNICATION

Croat Med J. 2014;55:61-72 doi: 10.3325/cmj.2014.55.61

Self-correction in biomedical publications and the scientific impact

TABLE 1. Duplicate and retracted articles in PubMed (as of January 30, 2014)

Article types	Duplicate items, No. (%)	Retracted items, No. (%)	
Case reports	83 (7.6)	90 (3.0)	
Comparative studies	137 (12.6)	302 (10.1)	
Randomized controlled trials	57 (5.2)	263 (8.8)	
Systematic reviews	65 (6.0)	38 (1.3)	
Meta-analyses	4 (0.4)	14 (0.5)	
Reviews	170 (15.6)	210 (7.0)	
Editorials	45 (4.1)	10 (0.3)	
Practice guidelines	10 (0.9)	8 (0.3)	
Letters	38 (3.5)	48 (1.6)	
News items	0 (0)	3 (0.1)	
Non-English sources	74 (6.8)	72 (2.4) science o	COMMUNICATION
US NIH supported sources	4 (0.4)	5 ((1 /)	I J. 2014;55:61-7 25/cmj.2014.5
Total	1086 (100)	3000 (100)	
		C - IC	

Self-correction in biomedical publications and the scientific impact

TABLE 3. Journal h-index values and number of duplicate and retracted items in top-tier journals*

Rank	Journal abbreviations	Journal h-index	Duplicate items, No.	Retracted items, No.
1	Nature	768	0	51
2	Science	739	0	73
3	N Engl J Med	651	1	17
4	Cell	521	0	27
5	Proc Natl Acad Sci U S A	485	1	75
6	Lancet	477	4	14
7	JAMA	456	3	3
8	Circulation	429	8	13
9	Chem Rev	400	0	1
10	Nat Genet	395	0	2
11	Phys Rev Lett	395	0	5
12	J Biol Chem	372	1	82
13	Nat Med	370	0	11
14	J Clin Oncol	346	2	10
15	J Am Chem Soc	340	0	16
16	J Clin Invest	336	0	25

Retractions are sign of proper IFAs and good for correcting evidence base

SCIENCE COMMUNICATION

Croat Med J. 2014;55:61-72 doi: 10.3325/cmj.2014.55.61

Self-correction in biomedical publications and the scientific impact

Copyrights for open access sources

© creative commons

Icon	Description	Acronym
© () BY	Attribution alone	
	Attribution + NoDerivatives	BY-ND
© 0 0 BY SA	Attribution + ShareAlike	BY-SA
© O S	Attribution + Noncommercial	BY-NC
	Attribution + Noncommercial + NoDerivatives	BY-NC-ND
	Attribution + Noncommercial + ShareAlike	BY-NC-SA

Most recommended CC license



Attribution-NonCommercial 4.0 International (CC BY-NC 4.0)

You are free to:

Share — copy and redistribute the material in any medium or format

Adapt — remix, transform, and build upon the material

Under the following terms:



Attribution — You must give <u>appropriate credit</u>, provide a link to the license, and <u>indicate</u> <u>if changes were made</u>. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.



NonCommercial — You may not use the material for commercial purposes.

http://creativecommons.org/licenses/by-nc/4.0/

Open access models

- Open access to published papers
- OA + re-use (libre open access)
- OA + self-archiving (green)
- Delayed open access (6-12 months)
- Gold OA
- Hybrid open access (subscription + gold OA)
- Diamond OA
- Article Processing Charges or Membership fees



Reference formatting

Introduction

Plagiarism is considered a form of scientific misconduct and a serious breach of publication ethics (Bilic-Zulle 2010; Mason 2009). It is defined as "appropriation of another person's ideas, processes, results or words without giving appropriate credit to the source or author" (ORI 2000). While plagiarism indicates intellectual theft from another author, self-plagiarism occurs when "one's previously published idea, text or data is being reused and presented as original work" (Roig 2010).



References

So publi 2010 et al.

Unde

Bilic-Zulle, L. (2010). Responsible writing in science. Biochemia Medica, 20(3), 279–281.

Bilic-Zulle, L., Azman, J., Frkovic, V., & Petrovecki, M. (2008). Is there an effective approach to deterring students from plagiarizing? *Science and Engineering Ethics*, 14(1), 139–147.

Bilić-Zulle, L., Frković, V., Turk, T., Ažman, J., & Petrovečki, M. (2005). Prevalence of plagiarism among medical students. *Croatian Medical Journal*, 45(1), 126–131.

Fibromyalgia is characterized by the presence of widespread pain and tenderness in at least 11 of 18 specified pressure regions [1]. This syndrome is characterized by low pain thresholds and pain-related symptoms such as fatigue, anxiety, and depression [2]. Since the etiology of fibromyalgia is yet to be ascertained, various st ies have been conducted to gain a better understa ing of the various genetic and environmental factors t may play role in the susceptibility to fibromyalgia [3, Previous studies have revealed that catechol-O-met transferase (COMT), monoamine oxidase (MAO), serotonin (5-HT) gene polymorphisms may play a 1 in the genetic susceptibility of fibromyalgia and conti ute to pain sensitivity and efficacy of pain treatments fibromyalgia patients [2, 5-8]. A recent study sugges that fibromyalgia may result in central nervous syst malfunction, thereby causing amplification of pain tra mission and perception [9]. Furthermore, impairment nociceptive reflex pathways was reported in fibromyal women suffering from severe symptoms of depress and fibromyalgia [10].

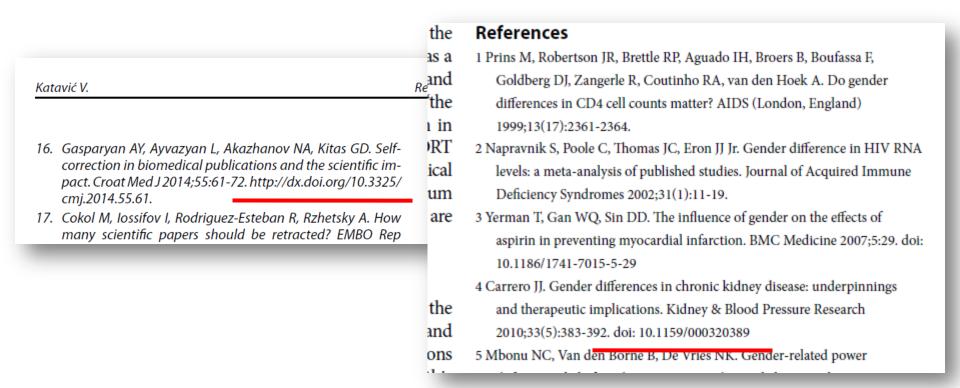


References

- Wolfe F, Smythe HA, Yunus MB, Bennett RM, Bombardier C, Goldenberg DL, Tugwell P, Campbell SM, Abeles M, Clark P et al (1990) The American College of Rheumatology 1990 criteria for the classification of fibromyalgia. Report of the multicenter criteria committee. Arthritis Rheum 33:160–172
- Martínez-Jauand M, Sitges C, Rodríguez V, Picornell A, Ramon M, Buskila D, Montoya P (2013) Pain sensitivity in fibromyalgia is associated with catechol-O-methyltransferase (COMT) gene. Eur J Pain 17:16–27
- Bradley LA (2009) Pathophysiology of fibromyalgia. Am J Med 122:22–30
- Buskila D, Sarzi-Puttini P, Ablin JN (2007) The genetics of fibromyalgia syndrome. Pharmacogenomics 8:67–74
- 5 Tondon D. Conner S. Dolon O. Alandi C. Vora N. Donni H. Continu

DOIs

- Authors should provide DOI at the end of each reference (editors are obliged to validate)
- Provide examples how to format references (with DOI: http://dx.doi.org/ OR only DOI:)







Greater Impact

Kudos helps researchers explain, enrich and share their publications for greater research impact.



Structured abstract

BMJ. 2014 Sep 16;349:g5264. doi: 10.1136/bmj.g5264.

Accuracy of urinary human papillomavirus testing for presence of cervical HPV: systematic review and meta-analysis.

Pathak N1, Dodds J1, Zamora J2, Khan K1.

Author information

Abstract

OBJECTIVE: To determine the accuracy of testing for human papillomavirus (HPV) DNA in urine in detecting cervical HPV in sexually active women.

DESIGN: Systematic review and meta-analysis.

DATA SOURCES: Searches of electronic databases from inception until December 2013, checks of reference lists, manual searches of recent issues of relevant journals, and contact with experts.

ELIGIBILITY CRITERIA: Test accuracy studies in sexually active women that compared detection of urine HPV DNA with detection of cervical HPV DNA.

DATA EXTRACTION AND SYNTHESIS: Data relating to patient characteristics, study context, risk of bias, and test accuracy. 2×2 tables were constructed and synthesised by bivariate mixed effects meta-analysis.

RESULTS: 16 articles reporting on 14 studies (1443 women) were eligible for meta-analysis. Most used commercial polymerase chain reaction methods on first void urine samples. Urine detection of any HPV had a pooled sensitivity of 87% (95% confidence interval 78% to 92%) and specificity of 94% (95% confidence interval 82% to 98%). Urine detection of high risk HPV had a pooled sensitivity of 77% (68% to 84%) and specificity of 88% (58% to 97%). Urine detection of HPV 16 and 18 had a pooled sensitivity of 73% (56% to 86%) and specificity of 98% (91% to 100%). Metaregression revealed an increase in sensitivity when urine samples were collected as first void compared with random or midstream (P=0.004).

LIMITATIONS: The major limitations of this review are the lack of a strictly uniform method for the detection of HPV in urine and the variation in accuracy between individual studies.

CONCLUSIONS: Testing urine for HPV seems to have good accuracy for the detection of cervical HPV, and testing first void urine samples is more



Author Guidelines

Copyright

Does your manuscript need to have its English improved?

Favored Author Program

Journal Indexing

Manuscript templates

Notice to Iranian authors

Online submission of manuscripts

Rights of Authors, Readers and the Publisher

RCUK and Wellcome Trust funded submissions

Terms of Publication

Video abstracts

Publication Processing Fees

Authorship

Authorship credit should be based on:

- 1) Substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data;
- 2) Drafting the article or revising it critically for important intellectual content;
- 3) Final approval of the version to be published; and
- 4) Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

A Notice to Iranian authors



Dove Medical Press Ltd endorses the recent addendum to the COPE code of conduct for journal editors:

Editorial decisions should not be affected by the origins of the manuscript, including the nationality, ethnicity, political beliefs, race, or religion of the authors. Decisions to edit and publish should not be determined by the policies of governments or other agencies outside of the journal itself.

Il Dove journals are members of and subscribe to the principles of the <u>Committee on</u> <u>ublication Ethics (COPE).</u>

Ve also support the <u>international standards</u> for editors and authors that were developed at the 2nd World Conference on Research Integrity in Singapore in 2010.



Open Access

Authors can choose to have their article published Open Access for a fee of £1950 (plus applicable VAT).

Statistical analysis

- Describe statistical methods with enough detail to enable the reader to judge its appropriateness for the study and to verify the reported results.
- When possible, quantify findings and present them with appropriate indicators of measurement error or uncertainty (such as confidence intervals). Avoid relying solely on statistical hypothesis testing, such as P values.
- Distinguish prespecified from exploratory analyses, including subgroup analyses.

Plagiarism detection

BMJ is a member of CrossCheck by CrossRef and iThenticate. iThenticate is a plagiarism screening service that verifies the originality of content submitted before publication. iThenticate checks submissions against millions of published research papers, and billions of web content. Authors, researchers and freelancers can also use iThenticate to screen their work before submission by visiting www.ithenticate.com.





CSE's White Paper on Promoting Integrity in Scientific Journal Publications, 2012 Update







Enter search terms SEARCH

Recommendations

Conflicts of Interest

Journals
Following the ICMJE Recommendations

About ICMJE

News & Editorials

Recommendations



Read the Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly work in Medical Journals.





Conflicts of Interest



Use the ICMJE Form for Disclosure of Potential Conflicts of Interest to generate a disclosure statement for your manuscript.







WAME Policies and Recommendations

Policy Statements

Principles of Transparency and Best Practice in Scholarly Publishing Recommendations on Publication Ethics Policies for Medical Journals Syllabus for Prospective and Newly Appointed Editors

Ethics Resources

Recommendations on Publication Ethics Policies for Medical Journals

Ethics Consultation

Ethics Web Resources

Ethics Case Discussions