



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 51207

Title: Epidemiologic characteristics of Helicobacter pylori infection in Southeast Hungary

Reviewer's code: 03254146

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's country: Japan

Author's country: Hungary

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-09-02 13:39

Reviewer performed review: 2019-09-03 13:38

Review time: 23 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
E-mail: bpgoffice@wjgnet.com
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I'm pleased to review the paper entitled "Epidemiologic characteristics of Helicobacter pylori infection in Southeast Hungary". Present article evaluated the prevalence of HP in Hungary and established the risk factors. Major point Ethical considerations are needed. This study included participants under 20-year old. Minor points 1) The overall prevalence of HP infection seemingly was "not" 32%, but sero-positive rate was 32%. That is, positive predictive value for anti-HP antibody was calculated 82.5% (sensitivity 100%, specificity 90%, prevalence about 30%). 2) Please include current situation on H.pylori eradication in Hungary. With higher eradication rate, the exact prevalence was much lower. 3) Please introduce a new concept "HP-associated dyspepsia". 4) Two "positive"

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title
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- Plagiarism
- No



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 51207

Title: Epidemiologic characteristics of Helicobacter pylori infection in Southeast Hungary

Reviewer's code: 02535237

Position: Peer Reviewer

Academic degree: DSc, PhD

Professional title: Professor

Reviewer's country: Bulgaria

Author's country: Hungary

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-09-04 18:02

Reviewer performed review: 2019-09-10 10:28

Review time: 5 Days and 16 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

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The topic of the present manuscript is interesting because *Helicobacter pylori* is one of most common chronic bacterial infections in humans and because there are relatively few reports from Hungary. The present study encompassed numerous (>1000) subjects. However, there are some additions or corrections needed. The authors have put neither line numbers nor page numbers in their manuscript and this hampers the review to some extent.

Abstract • The abstract is rather long; I suggest to shorten it by about 1/3.

Introduction • “Conversely, little is known regarding the prevalence of HP in Central Europe, in which a substantial population resides in rural areas (ref. 5, 6, 7).” The authors should mention which countries and what proportions they mean.

Methods • “Platelia *H. pylori* IgG enzyme linked immunosorbent assay, which reportedly has 100% sensitivity and 90% specificity according to the manufacturer (Bio-Rad Marnes-la-Coquette, France).” The authors should provide the sensitivity and specificity data not according to the provider but rather to the publications in the literature, such as Burucoa et al., 2013 et al.

Results • “There was no statistically significant difference in prevalence between males and females in our study.” Please, give the proportions and p values. The same for rural vs urban areas.

Discussion • “In the surrounding Central European countries, such as the Czech Republic and Slovakia, the prevalence of HP infection followed the trends of our region, decreasing from 42% to 23% in the former from 62% to 35% in the latter (ref. 16, 17).” Over how many years? • “sixfold higher risk of HP positivity than young urban females (61.29% vs. 11.11%).” The p value should be given as well. • “for at least 1 year” one should be given as a word (one instead of 1). • What is the new, the contribution of the authors to the topic of *H. pylori* prevalence? The risk factors they found are well known in the literature. However, since there are few data from Hungary, the manuscript can be of interest. • In general, the authors should try to explain better the detected risk factors for the infection, and the significant values one by one.

Table and Figures • The authors included 6 tables and figures, there are too



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many and should be reduced. I suggest the authors to merge the table 1, 2 and 3 into one table.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 51207

Title: Epidemiologic characteristics of Helicobacter pylori infection in Southeast Hungary

Reviewer’s code: 00068912

Position: Editorial Board

Academic degree: DSc, MD

Professional title: Full Professor

Reviewer’s country: Russia

Author’s country: Hungary

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-09-03 12:27

Reviewer performed review: 2019-09-13 08:26

Review time: 9 Days and 19 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
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			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
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This is a good article dedicated to the epidemiological study of the prevalence of *Helicobacter pylori* in urban and rural regions of Hungary. The study included a large number of patients, allowing authors to conclude about the different *H. pylori* infection prevalence of urban and rural population in two (Békés County and Csongrád County) regions of Hungary. The authors have convincingly shown that agricultural/industrial workers were more likely to be positive for infection than office workers. The authors analyzed the risk factors for *H. pylori* positivity appeared to be valid for the studied population. When analyzing the prevalence of *H. pylori* in the world it would be good to present data on Russia (Reshetnyak VI, Reshetnyak TM. Significance of dormant forms of *Helicobacter pylori* in ulcerogenesis. *World J Gastroenterol* 2017; 23(27): 4867-4878 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v23/i27/4867.htm> DOI: <http://dx.doi.org/10.3748/wjg.v23.i27.4867>)

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BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 51207

Title: Epidemiologic characteristics of Helicobacter pylori infection in Southeast Hungary

Reviewer’s code: 02941507

Position: Editorial Board

Academic degree: FACC, FEBG, MD, PhD

Professional title: Associate Professor, Staff Physician

Reviewer’s country: Greece

Author’s country: Hungary

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-09-04 05:43

Reviewer performed review: 2019-09-14 16:05

Review time: 10 Days and 10 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
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<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
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publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
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E-mail: bpgoffice@wjgnet.com
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• In another recently published systematic review and metaanalysis regarding the Hp infection world-wide, there were some differences between the data reported in reference 4 of the paper and the following metaanalysis: Zamani M, Ebrahimitabar F, Zamani V, Miller WH, Alizadeh-Navaei R, Shokri-Shirvani J, Derakhshan MH. Systematic review with meta-analysis: the worldwide prevalence of Helicobacter pylori infection. Aliment Pharmacol Ther. 2018;47:868-876. doi: 10.1111/apt.14561. • The reference list should be expanded. • The authors should use more recent data in the discussion section when trying to discuss their findings in comparison with data of the international literature.

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