

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50032

Title: Helicobacter pylori in ancient human remains

Reviewer's code: 00503623

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: United States

Author's country: Italy

Reviewer chosen by: Ruo-Yu Ma

Reviewer accepted review: 2019-06-28 12:41

Reviewer performed review: 2019-06-28 14:48

Review time: 2 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 type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input 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 type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This review report provides the insights into the Hp genome of 5,300-year old mummy



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of the “Icemen”. The molecular analysis of this ancient human remains revealed that the 5,300-year old strain of the Icemen was potentially virulent strain that is today strongly associated with gastric disease. Moreover, the presented results indicate that Iceman’s Hp was essentially identical to that of Asian origin (AE1) that existed in Europe before hybridization, thus indicating that African ancestral Hp component(AE2) arrived in Europe much more recently. The study is amply illustrated, well written, and certainly of interest to those pursuing the areas of bacterial ancient genome sequences.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50032

Title: Helicobacter pylori in ancient human remains

Reviewer's code: 00058340

Position: Editor-in-Chief

Academic degree: DSc, MD, PhD

Professional title: Professor

Reviewer's country: United States

Author's country: Italy

Reviewer chosen by: Ruo-Yu Ma

Reviewer accepted review: 2019-06-30 18:19

Reviewer performed review: 2019-07-03 19:29

Review time: 3 Days and 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" 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 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
		<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

This minireview authored by international experts from Austria, Italy, S. Africa and



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Sweden the authors provided an overview of the molecular analysis of H. pylori in mummified human remains that were done so far and outlined methodological advancements in the field of ancient DNA research that support the reconstruction and authentication of ancient H. pylori genome sequences. Comments 1. This topic is important, was published in highest rating scientific journals and provides new information regarding the human demographic history from a bacterial point of view. The paper is well written and, in my opinion, will be very attractive for the readers. 2. If possible, the authors should comment on potential similarities and/or differences between H. pylori genome and mitochondrial gastric mucosal and specifically parietal cell mitochondrial genome

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50032

Title: Helicobacter pylori in ancient human remains

Reviewer's code: 02444931

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor, Research Scientist, Senior Lecturer

Reviewer's country: China

Author's country: Italy

Reviewer chosen by: Ruo-Yu Ma

Reviewer accepted review: 2019-07-02 00:26

Reviewer performed review: 2019-07-08 00:46

Review time: 6 Days

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 type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input 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 type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

N/A



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INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50032

Title: Helicobacter pylori in ancient human remains

Reviewer's code: 01799104

Position: Editorial Board

Academic degree: AGAF, MD

Professional title: Associate Professor, Doctor

Reviewer's country: Taiwan

Author's country: Italy

Reviewer chosen by: Ruo-Yu Ma

Reviewer accepted review: 2019-06-28 10:29

Reviewer performed review: 2019-07-09 09:57

Review time: 10 Days and 23 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 type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input checked="" 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

The worldwide distribution of H. pylori genotype is identical to the historical human



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migration route which arise from the Africa. This manuscript is interesting and further confirm this concept. Nevertheless, I don't think it is suitable for publication in the World Journal of Gastroenterology according to the journal's background. It may be more appropriate to submit to more specific journal such as in fields of archaeology or microbiology.

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BPG Search:

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