Zahedan Journal of Research in Medical Sciences
Volume 25 · Issue 3 · e123100

OPEN PEER REVIEW

Association of ABO and Rh Blood Groups with *Helicobacter pylori* Seropositivity in Gonabad City, Iran: A Case-Control Study

Alireza Mohammadzadeh, Mohammad Hassan Minooeianhaghighi, Mohamad Ghorbani, Behdad Zibaee, Jafar Hajavi

SUBMITTED	REVISED	ACCEPTED	DOI
5 Feb 2022	25 May 2022	2 Jul 2022	10.5812/zjrms-123100

About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

More about open peer review: brieflands.com/knowledgebase/opr

Contents

1 Original submission 2
2 Revision 1 Referee 1 3
Authors' reply to reviewers 4
Reviewer and editor comments 6

1 Original submission

0 comments

No public comments in this round.

2

Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Reviewer(s)' Comments to Author:

Title: **Association between ABO and Rh blood groups with Helicobacter pylori seropositivity in Gonabad city: A Case Control Study**

Thanks to the respectful reviewer's comment, due to the minor changes that were made in the article according to the opinions of the Reviewers, the color(red) change for the modified section were used.

Reviewer 1:
Title: Association between ABO and Rh blood groups with Helicobacter pylori infection in Gonabad city; Infection or seropositivity?

Thanks to the respectful reviewer's comment, the infection changed to seropositivity.

Abstract:
line 8: The aim of this study was to investigate.....was??? or is???
Thanks to the careful attention of the respectful reviewers' attention, was changed to is.

Method:
How did you select the control group?
Thanks to the careful attention of the respectful reviewers' attention, as mentioned in the methods part, all the subjects who were on the ELISA test to measure IgG against Helicobacter pylori were included in the study. Based on the results of the antibody test against Helicobacter pylori, they were divided into case and control groups.

References:
Many of references are out of date and they were published before 2015
We appreciated the reviewer's comment, we add some new references:

2. Sugizaki K, Tari A, Kitadai Y, Oda I, Nakamura S, Yoshino T, et al. Anti-Helicobacter pylori therapy in localized gastric mucosa-associated lymphoid tissue lymphoma: A prospective, nationwide, multicenter study in Japan. Helicobacter. 2018;23(2):e12474.

6. Mezmale L, Coelho LG, Bordin D, Leja M. Epidemiology of Helicobacter pylori. Helicobacter. 2020;25:e12734.

15. Kominato Y, Sano R, Takahashi Y, Hayakawa A, Ogasawara K. Human ABO gene transcriptional regulation. Transfusion. 2020;60(4):860.

Reviewer 2:
This study does not seem to be statistically very reliable.

The prevalence of Helicobacter pylori infection and blood group O in the general population in our country is high (70%, 40% respectively), so it is expected that there is a significant relationship between these two variables.

As a result, these studies do not appear to be epidemiologically reliable.

Thanks to the careful attention, according to previous studies, the prevalence of Helicobacter pylori infection is different in various parts of the country. On the other hand, people were selected according to IgG result, not to blood type and therefore, people with A blood type have been more included in the study.

2 Revision 1

1 comment · 24 Jun 2022

Referee 1 Reviewer

ACCEPT 24 Jun 2022

Dear EIC
I appreciate this opportunity to review the revised version of the manuscript. The points mentioned were corrected by the authors, so this manuscript could be considered for publication.