

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Diabetes*

**Manuscript NO:** 78960

**Title:** Effects of Chios mastic gum on cardiometabolic risk factors

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 01206150

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Chief Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Greece

**Manuscript submission date:** 2022-07-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-07-25 00:47

**Reviewer performed review:** 2022-07-25 02:20

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

Conclusion part: In conclusion, CMG has a wide spectrum of applications and consists a symbol of Chios Island with various national, economic, historical and scientific implications. "consists a symbol of Chios Island with various national, economic, historical and scientific implications."this sentence in confusing, please modify it.

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**Reviewer's code:** 03652649

**Position:** Peer Reviewer

**Academic degree:** FACC, FACP, MD, PhD

**Professional title:** Doctor

**Reviewer's Country/Territory:** United States

**Author's Country/Territory:** Greece

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**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-31 05:13

**Reviewer performed review:** 2022-08-31 07:20

**Review time:** 2 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

## SPECIFIC COMMENTS TO AUTHORS

This is a well written concise review summarizing the existing literature data regarding the potential beneficial effects of Chios Mastic Gum on cardiometabolic risk factors. I have the following comments to make: 1. The authors should make a note that the effects of CMG on lipids in humans are rather minor and the beneficial effects of CMG should not be overstated or deemed as unique, as there are other "natural" substances, such as sterols and stanols, that have been shown to cause significant reductions in LDL-C. 2. The authors should discuss the limitations of the studies (ref. 19 & 20). For example, the rest of the diet of the participants (apart from the addition of CMG) was not in any way controlled during the study and cannot exclude any effect of possible diet changes on the results of the study. 3. In the quoted study by Triantafyllou et al. (Ref. 19), there was a significant reduction of the cardioprotective ApoA1. This has to be discussed by the authors as to its potential clinical significance. 4. In many instances in the text, the term CMG (Chios Mastic Gum) has been written as CGM and the terms are used interchangeably. This has to be corrected.