

Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information website.

Elsevier hereby grants permission to make all its COVID-19-related research that is available on the COVID-19 resource centre - including this research content - immediately available in PubMed Central and other publicly funded repositories, such as the WHO COVID database with rights for unrestricted research re-use and analyses in any form or by any means with acknowledgement of the original source. These permissions are granted for free by Elsevier for as long as the COVID-19 resource centre remains active.

# Journal Pre-proof

Bioactive Lipids and Coronavirus (COVID-19)

Sora Yasri, Viroj Wiwanitkit

PII: S0188-4409(20)30449-5

DOI: https://doi.org/10.1016/j.arcmed.2020.04.007

Reference: ARCMED 2492

To appear in: Archives of Medical Research

Received Date: 2 April 2020

Revised Date: 8 April 2020

Accepted Date: 10 April 2020

Please cite this article as: Yasri S, Wiwanitkit V, Bioactive Lipids and Coronavirus (COVID-19), *Archives of Medical Research* (2020), doi: https://doi.org/10.1016/j.arcmed.2020.04.007.

This is a PDF file of an article that has undergone enhancements after acceptance, such as the addition of a cover page and metadata, and formatting for readability, but it is not yet the definitive version of record. This version will undergo additional copyediting, typesetting and review before it is published in its final form, but we are providing this version to give early visibility of the article. Please note that, during the production process, errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Copyright © 2020 Published by Elsevier Inc. on behalf of IMSS.



Arch Med Res

E20\_397

Archives of Medical Research 51 (2020) x-x

### LETTE TO THE EDITOR

Bioactive Lipids and Coronavirus (COVID-19)

To the editor,

Dear Editor, we found that the article on Bioactive Lipids Inactivate Coronavirus (COVID-19)? is very interesting (1). Das noted that "*Oral or intravenous administration of AA and other unsaturated fatty acids may aid in enhancing resistance and recovery from SARS-CoV-2, SARS and MERS infections* (1)." Das UN, et al. discussed on complex inflammatory process in new disease and possible role of bioactive lipids. In fact, if bioactive lipid is useful, there must be a pathway showing interrelationship between bioactive lipids pharmacological actions and virus pathogenesis process. Possible unwanted adverse effect of bioactive lipids should be mentioned. The effects on platelet and thromohemotasis system might occur (2) and this might superimpose the thrombohmostatic disorder in COVID-19 (3). This topic is the interesting issue for further research.

Conflict of interest

None

References

#### Arch Med Res

E20\_397

1. Das UN. Can Bioactive Lipids Inactivate Coronavirus (COVID-19)? Arch Med Res 2020;51:0–0. pii: S0188-4409(20)30292-7. doi: 10.1016/j.arcmed.2020.03.004. (Epub ahead of print)

2. Goodnight SH Jr. Effects of dietary fish oil and omega-3 fatty acids on platelets and blood vessels.
Semin Thromb Hemost 1988;14:285–289.

Lippi G, Plebani M, Henry BM. Thrombocytopenia is associated with severe coronavirus disease
 2019 (COVID-19) infections: A meta-analysis. Clin Chim Acta 2020;506:145–148. doi:
 10.1016/j.cca.2020.03.022. (Epub ahead of print)

Jonuly

Arch Med Res

E20\_397

## SORA YASRI

Medical Center, KMT Primary Care Center, Bangkok Thailand

## VIROJ WIWANITKIT

Department of Community Medicine,

Dr DY Patil University, Pune, India, and

Department of Tropical Medicine,

Hainan Medical University, Haikou, China

Address reprint requests to: Sora Yasri, KMT Primary Care Center,

Bangkok, Thailand;

Phone: 6624789693;

FAX: 6624789693;

E-mail: sorayasri@outlook.co.th

Received for publication April 2, 2020; accepted April 9, 2020 (ARCMED\_2020\_397)