A pharmacointervention strategy to resolve SARS-CoV-2-induced inflammatory cytokine storm in non-alcoholic fatty liver disease: Omega-3 Long-chain polyunsaturated fatty acids

Shanmugam M Jeyakumar, Ayyalasomayajula Vajreswari

Abstract

Inflammation is one of the primary factors associated with the causation and/or...
Pharmacointeretation strategy to resolve SARS-CoV-2-induced inflammation

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May 21, 2021 · Omega (ω)-3 fatty acids, however, are a class of long-chain acids that have demonstrated various beneficial health effects (157, 158). Omega (ω)-3 fatty acids have recently been encapsulated in soybean phospholipids by liposome technique in order to mask the flavor of fish and used in the making of bread to provide ω-3 fatty acids to the ...

Author: Soubhaya Tripathy, Deepak Kumar ...
Publish Year: 2021

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The long-chain omega-3 polyunsaturated fatty acids (omega-3 LCPUFAs) docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA) are known to reduce inflammation and promote its resolution ...
Inflammatory cytokine storm of SARS-CoV-2 infection is a cause of...

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Inflammation resolution is strongly dependent on lipid mediators, the specialized pro-resolution mediators (SPMs). Omega-3 polyunsaturated fatty acids (n-3 PUFAs) are precursors of very potent...

Polyunsaturated fatty acids, inflammation, and immunity ...
https://www.researchgate.net/publication/11632207_Polyunsaturated_fatty_acids...
Oct 01, 2001 - Although the inflammatory resolution improved by EPA and DHA could contribute to the recovery of patients infected with SARS-CoV-2, Omega-3 fatty acids supplementation cannot be recommended before...
Author: Philip C Calder

Inflammation and Cardiovascular Disease: Are Marine ...
https://www.researchgate.net/publication/340405189...
Omega-3 polyunsaturated fatty acid (PUFA) supplementation is recommended for prevention of chronic disease, and is thought to reduce raised liver fat, yet there have been few randomized controlled...

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https://www.researchgate.net/topic/Omega-3-Fatty-Acids/publications
Incorporation of long-chain omega-3 polyunsaturated fatty acids (LC n-3 PUFA), eicosapentaenoic acid, and docosahexaenoic acid into membrane phospholipids provides anti-inflammatory...

Resolvins and Protectins in Inflammation Resolution ...
https://www.researchgate.net/publication/5149940_Resolvins_and_Protectins_in...
The fatty acids in the omega-6 series mainly have functions in the pro-inflammatory response, whereas the fatty acids in the omega-3 series have functions important in inflammation resolution [23

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https://www.researchgate.net/publication/24003009...
Non-alcoholic fatty liver disease (NAFLD) has been described as a hepatic manifestation of the metabolic syndrome. ... and reducing the formation of omega-6-derived pro-inflammatory lipid...
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May 21, 2021. Omega-3 fatty acids, however, are a class of long-chain acids that have demonstrated various beneficial health effects (157, 158). Omega-3 fatty acids have recently been encapsulated in soybean phospholipids by liposome technique in order to mask the flavor of fish and used in the making of bread to provide omega-3 fatty acids to the...

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May 21, 2021. Omega-3 fatty acids, however, are a class of long-chain acids that have demonstrated various beneficial health effects (Figure 5) (157, 158). Omega-3 fatty acids have recently been encapsulated in soybean phospholipids by liposome technique in order to mask the flavor of fish and used in the making of bread to provide omega-3 fatty acids to the...

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The long-chain omega-3 polyunsaturated fatty acids (omega-3 LC-PUFAs) docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA) are known to reduce inflammation and promote its resolution...

Nutrition, immunity and COVID-19 | BMJ Nutrition
https://nutrition.bmj.com/content/3/1/74
Jun 01, 2020. The immune system protects the host from pathogenic organisms (bacteria, viruses, fungi, parasites). To deal with this array of threats, the immune system has evolved to include a myriad of specialised cell types, communicating molecules and functional responses. The immune system is always active, carrying out surveillance, but its activity is enhanced if an individual becomes infected...

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May omega-3 fatty acid dietary supplementation help reduce... https://www.researchgate.net/publication/344245684
Because they are well-known metabolic precursors of specialized pro-resolving lipid mediators (SPMs), omega-3 long-chain polyunsaturated fatty acids (omega-3 LC-PUFAs) could help improve the...

Pre-resolving lipid mediators: regulators of inflammation