

References

- Adams, S., Lopata, A. L., Smuts, C. M., Baatjies, R., & Jeebhay, M. F. (2018). Relationship between serum omega-3 fatty acid and asthma endpoints. *International Journal Environmental Research Public Health*, 16(1). doi:10.3390/ijerph16010043
- Bhatt, D. L., Steg, P. G., Miller, M., Brinton, E. A., Jacobson, T. A., Ketchum, S. B., . . . Investigators, R.-I. (2018). Cardiovascular risk reduction with icosapent ethyl for hypertriglyceridemia. *New England Journal Medicine*. doi:10.1056/NEJMoa1812792
- Bisgaard, H., Stokholm, J., Chawes, B. L., Vissing, N. H., Bjarnadottir, E., Schoos, A. M., . . . Bonnelykke, K. (2016). Fish oil-derived fatty acids in pregnancy and wheeze and asthma in offspring. *New England Journal Medicine*, 375(26), 2530-2539. doi:10.1056/NEJMoa1503734
- Ebmeier, S., Thayabaran, D., Braithwaite, I., Benamara, C., Weatherall, M., & Beasley, R. (2017). Trends in international asthma mortality: Analysis of data from the WHO Mortality Database from 46 countries (1993-2012). *Lancet*, 390(10098), 935-945. doi:10.1016/S0140-6736(17)31448-4
- Franceschi, C., & Campisi, J. (2014). Chronic inflammation (inflammaging) and its

potential contribution to age-associated diseases. *Journal Gerontological*

Biological Science Medical Science, 69 Suppl 1, S4-9.

doi:10.1093/gerona/glu057

Ganda, O. P., Bhatt, D. L., Mason, R. P., Miller, M., & Boden, W. E. (2018). Unmet need for adjunctive dyslipidemia therapy in hypertriglyceridemia management.

Journal American College Cardiology, 72(3), 330-343.

doi:10.1016/j.jacc.2018.04.061

Group, A. S. C., Bowman, L., Mafham, M., Wallendszus, K., Stevens, W., Buck, G., . . .

Armitage, J. (2018). Effects of n-3 fatty acid supplements in diabetes mellitus.

New England Journal Medicine, 379(16), 1540-1550.

doi:10.1056/NEJMoa1804989

Hara, M., Sakata, Y., Nakatani, D., Suna, S., Usami, M., Matsumoto, S., . . . Osaka

Acute Coronary Insufficiency Study, I. (2013). Low levels of serum n-3

polyunsaturated fatty acids are associated with worse heart failure-free survival in patients after acute myocardial infarction. *Circulation Journal*, 77(1), 153-162.

ISAAC Steering Committee. (1998) World variations in the prevalence of asthma

symptoms: The International Study of Asthma and Allergies in Childhood

(ISAAC). *European Respiratory Journal*, 12(2), 315-335.

<https://erj.ersjournals.com/content/12/2/315>

Kamigaki, T., & Oshitani, H. (2010). Influenza pandemic preparedness and severity assessment of pandemic (H1N1) 2009 in South-east Asia. *Public Health*, 124(1), 5-9. doi:10.1016/j.puhe.2009.11.003

Kawabata, T., Hirota, S., Hirayama, T., Adachi, N., Hagiwara, C., Iwama, N., . . . Kiso, Y. (2011). Age-related changes of dietary intake and blood eicosapentaenoic acid, docosahexaenoic acid, and arachidonic acid levels in Japanese men and women. *Prostaglandins Leukotrienes Essential Fatty Acids*, 84(5-6), 131-137. doi:10.1016/j.plefa.2011.01.001

Kinoshita, M., Yokote, K., Arai, H., Iida, M., Ishigaki, Y., Ishibashi, S., . . . Clinical Management of Atherosclerosis. (2018). Japan Atherosclerosis Society (JAS) guidelines for prevention of atherosclerotic cardiovascular diseases 2017. *Journal Atherosclerosis Thrombosis*, 25(9), 846-984. doi:10.5551/jat.GL2017

Kosaraju, R., Guesdon, W., Crouch, M. J., Teague, H. L., Sullivan, E. M., Karlsson, E. A., . . . Shaikh, S. R. (2017). B cell activity is impaired in human and mouse obesity and is responsive to an essential fatty acid upon murine influenza infection. *Journal Immunology*, 198(12), 4738-4752.

doi:10.4049/jimmunol.1601031

Kuriki, K., Nagaya, T., Imaeda, N., Tokudome, Y., Fujiwara, N., Sato, J., . . . Tokudome,

S. (2002). Discrepancies in dietary intakes and plasma concentrations of fatty

acids according to age among Japanese female dietitians. *European Journal*

Clinical Nutrition, 56(6), 524-531. doi:10.1038/sj.ejcn.1601344

Manson, J. E., Cook, N. R., Lee, I. M., Christen, W., Bassuk, S. S., Mora, S., . . . Group,

V. R. (2018). Marine n-3 fatty acids and prevention of cardiovascular disease

and cancer. *New England Journal Medicine*. doi:10.1056/NEJMoa1811403

Marchioli, R., Barzi, F., Bomba, E., Chieffo, C., Di Gregorio, D., Di Mascio, R., . . .

Investigators, G. I.-P. (2002). Early protection against sudden death by n-3

polyunsaturated fatty acids after myocardial infarction: time-course analysis of

the results of the Gruppo Italiano per lo Studio della Sopravvivenza nell'Infarto

Miocardico (GISSI)-Prevenzione. *Circulation*, 105(16), 1897-1903.

Miyata, J., & Arita, M. (2015). Role of omega-3 fatty acids and their metabolites in

asthma and allergic diseases. *Allergology International*, 64(1), 27-34.

doi:10.1016/j.alit.2014.08.003

Ministry of Health, Labor & Welfare. (n.d.) 新型インフルエンザに関する Q&A

[Q&A regarding the influenza pandemic (Novel Influenza or Re-emerging

Influenza)]. <https://www.mhlw.go.jp/bunya/kenkou/kekaku-kansenshou04/02.html>

Morita, M., Kuba, K., Ichikawa, A., Nakayama, M., Katahira, J., Iwamoto, R., . . . Imai,

Y. (2013). The lipid mediator protectin D1 inhibits influenza virus replication and improves severe influenza. *Cell*, 153(1), 112-125.

doi:10.1016/j.cell.2013.02.027

Murakami, Y., Hashimoto, S., Kawado, M., Ohta, A., Taniguchi, K., Sunagawa, T., . . .

Nagai, M. (2016). Estimated number of patients with influenza A(H1)pdm09, or other viral types, from 2010 to 2014 in Japan. *PLoS One*, 11(1), e0146520.

doi:10.1371/journal.pone.0146520

Neumann, G., Noda, T., & Kawaoka, Y. (2009). Emergence and pandemic potential of swine-origin H1N1 influenza virus. *Nature*, 459(7249), 931-939.

doi:10.1038/nature08157

Ogihara, T., Hatano, Y. (2015) Pharmacokinetics of ethyl eicosapentaenoate (EPA-E), Japan Society for Lipid Nutrition. 2015 24(1), 21-32.

Oh, D. Y., Talukdar, S., Bae, E. J., Imamura, T., Morinaga, H., Fan, W., . . . Olefsky, J.

M. (2010). GPR120 is an omega-3 fatty acid receptor mediating potent anti-inflammatory and insulin-sensitizing effects. *Cell*, 142(5), 687-698.

doi:10.1016/j.cell.2010.07.041

Pahwa, R., & Jialal, I. (2018). *Chronic Inflammation StatPearls*. Treasure Island (FL).

Retrieved from <https://www.ncbi.nlm.nih.gov/books/NBK493173/>

Papazafiropoulou, A. K., Kardara, M. S., & Pappas, S. I. (2012). Pleiotropic effects of

omega-3 fatty acids. *Recent Patents Endocrine Metabolic Immune Drug*

Discovery, 6(1), 40-46.

Pelliccia, F., Marazzi, G., Greco, C., Franzoni, F., Speziale, G., & Gaudio, C. (2013).

Current evidence and future perspectives on n-3 PUFAs. *International Journal*

Cardiology, 170(2 Suppl 1), S3-7. doi:10.1016/j.ijcard.2013.06.044

Russell, C. D., & Schwarze, J. (2014). The role of pro-resolution lipid mediators in

infectious disease. *Immunology*, 141(2), 166-173. doi:10.1111/imm.12206

Saito-Sasaki, N., Sawada, Y., Mashima, E., Yamaguchi, T., Ohmori, S., Yoshioka,

H., . . . Nakamura, M. (2018). Maresin-1 suppresses imiquimod-induced skin

inflammation by regulating IL-23 receptor expression. *Scientific Reports*, 8(1),

5522. doi:10.1038/s41598-018-23623-9

Salgaonkar, S. (2015). Trends in respiratory diseases. *Reflections - RGA's Medical*

Underwriting Newsletter, 35. <https://www.rgare.com/docs/default->

source/default-document-library/reflections-spring-
201515c5bb8ec5e163acbc5dff0000ff1aaa.pdf?sfvrsn=0

Serhan, C. N. (2014). Pro-resolving lipid mediators are leads for resolution physiology.

Nature, 510(7503), 92-101. doi:10.1038/nature13479

Shaw, A. C., Goldstein, D. R., & Montgomery, R. R. (2013). Age-dependent

dysregulation of innate immunity. *Nature Reviews Immunology*, 13(12), 875-
887. doi:10.1038/nri3547

Siscovick, D. S., Barringer, T. A., Fretts, A. M., Wu, J. H., Lichtenstein, A. H., Costello,

R. B., . . . Council on Clinical, C. (2017). Omega-3 polyunsaturated fatty acid
(fish oil) supplementation and the prevention of clinical cardiovascular disease:
A science advisory from the American Heart Association. *Circulation*, 135(15),
e867-e884. doi:10.1161/CIR.0000000000000482

Tatsuno, I., Saito, Y., Kudou, K., & Ootake, J. (2013). Efficacy and safety of TAK-085

compared with eicosapentaenoic acid in Japanese subjects with
hypertriglyceridemia undergoing lifestyle modification: the omega-3 fatty acids
randomized double-blind (ORD) study. *Journal Clinical Lipidology*, 7(3), 199-
207. doi:10.1016/j.jacl.2013.01.006

Uno, H., Furukawa, K., Suzuki, D., Shimizu, H., Ohtsuka, M., Kato, A., . . . Miyazaki,

M. (2016). Immunonutrition suppresses acute inflammatory responses through modulation of resolvins in patients undergoing major hepatobiliary resection.

Surgery, 160(1), 228-236. doi:10.1016/j.surg.2016.01.019

Veselinovic, M., Vasiljevic, D., Vucic, V., Arsic, A., Petrovic, S., Tomic-Lucic, A., . . .

Jakovljevic, V. (2017). Clinical benefits of n-3 PUFA and -linolenic acid in patients with rheumatoid arthritis. *Nutrients*, 9(4). doi:10.3390/nu9040325

Yokoyama, M., Origasa, H., Matsuzaki, M., Matsuzawa, Y., Saito, Y., Ishikawa, Y., . . .

Japan EPA lipid intervention study Investigators. (2007). Effects of eicosapentaenoic acid on major coronary events in hypercholesterolaemic patients (JELIS): A randomised open-label, blinded endpoint analysis. *Lancet*, 369(9567), 1090-1098. doi:10.1016/S0140-6736(07)60527-3

Zambalde, E. P., Teixeira, M. M., Favarin, D. C., de Oliveira, J. R., Magalhaes, M. L.,

Cunha, M. M., . . . Rogerio, A. P. (2016). The anti-inflammatory and pro-resolution effects of aspirin-triggered RvD1 (AT-RvD1) on peripheral blood mononuclear cells from patients with severe asthma. *International Immunopharmacology*, 35, 142-148. doi:10.1016/j.intimp.2016.03.014