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Effects of n-3 fatty acid supplements on cardiometabolic profiles in hypertensive patients

with abdominal obesity in Inner Mongolia: A randomized controlled trial

Bo Yang¹, Mei-qi Shi², Zi-hao Li², Lin Shi³, Ai-min Wang³, Xiao-juan Guo^{1*}, Duo Li^{4,2*}

¹Institute of Lipids Medicine, Wenzhou Medical University, Wenzhou, China

²Department of Food Science and Nutrition, Zhejiang University, Hangzhou, China

³Ejin Horo Banner Centre for Disease Prevention and Control, Ordos, Inner Mongolia, China

⁴Institute of Nutrition & Health, Qingdao University, Qingdao, China

*Co-corresponding Author:

Prof. Xiao-juan Guo

Institute of Lipids Medicine, Wenzhou Medical University

Chashan University Town, Wenzhou, China, 325035

Phone: +86-577-82991018; Fax: +86-577-86689848;

E-mail: gxj@wmu.edu.cn

*Corresponding Author:

Prof. Duo Li

Institute of Nutrition & Health, Qingdao University

308 Ningxia Road, Qingdao, China, 266003

Phone: +86-532-82991018; Fax: +86-532-82991018;

E-mail: duoli@qdu.edu.cn

Table S1. Baseline dietary intake of nutrients in the intention-to-treat patients (n=108)

Nutrients intake	FO (n=34)	FLO (n=39)	CO (n=35)	P ¹
Total energy, kcal	2243.11±668.85	2178.97±634.78	2111.87±593.64	0.72
Carbohydrate, g	339.10 ± 91.20	353.77 ± 103.96	325.88 ± 88.18	0.48
Total fat, g	66.39 ± 25.93	56.70 ± 27.50	63.60 ± 28.84	0.32
Protein, g	91.32±39.04	93.25±35.33	88.04 ± 31.88	0.84
Vitamin C, mg	71.38±32.97	77.46±33.52	63.09±31.28	0.20
Vitamin E, mg	16.48 ± 10.02	14.74 ± 7.40	13.83 ± 6.83	0.32
Sodium, mg	2359.47±890.10	2351.68±856.67	2323.92±923.62	0.62
Potassium, mg	1843.56±554.34	1982.74±753.51	1794.53±625.22	0.46
Calcium, mg	562.20 ± 348.65	554.21±325.34	587.85±346.26	0.90
Magnesium, mg	455.11 ± 195.96	411.68±181.06	427.78 ± 200.77	0.64
Dietary fiber, g	33.38 ± 19.85	29.33±17.06	30.57±19.18	0.65
Saturated Fat, g	9.51 ± 6.69	11.23 ± 10.39	11.96±12.89	0.14
Monounsaturated fat, g	6.56 ± 5.22	6.37 ± 4.18	8.73 ± 8.32	0.80
Polyunsaturated fat, g	12.13 ± 7.30	12.31 ± 7.87	11.24 ± 7.14	0.55
Saturated/polyunsaturated	0.90 ± 0.20	0.94±0.14	1.02±0.23	0.07

Values are presented as mean \pm SD.

 $^{^{1}}P$ value was calculated by One-way ANOVA to indicate the difference between groups.

Figure S1-S2:

Figure S1. Changes in erythrocyte phospholipids compositions of n-3 fatty acids by treatment groups. Groups sharing the same superscript (a or b) have no significant difference from each other in the post hoc analysis ($p \ge 0.05$) after adjustment for age, gender, ethnicity, current drug treatments, baseline corresponding fatty acid and changes in BMI. ALA, alphalinolenic acid (18:3n3); EPA, eicosapentaenoic acid (20:5n3); DHA, docosahexaenoic acid (22:6n3).

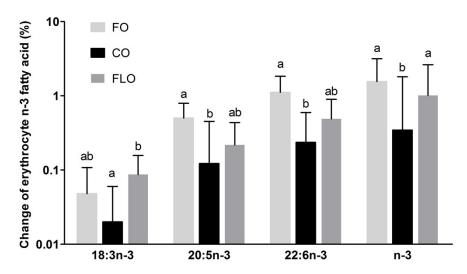


Figure S1. Changes in erythrocyte phospholipids compositions of individual or total n-3 fatty acids by treatment groups.

Figure S2. Changes in cardiometabolic scores in both intention-to-treat and pre-protocol participants by treatment groups. The mean changes in CMD scores were compared between pre-protocol (PP) and intention-to-treat (ITT) analyses. CMD changes were indicated by lightgray bar in PP analysis and black bar in ITT analysis, with a corresponding confidence interval (CI) represented by the black error bars.

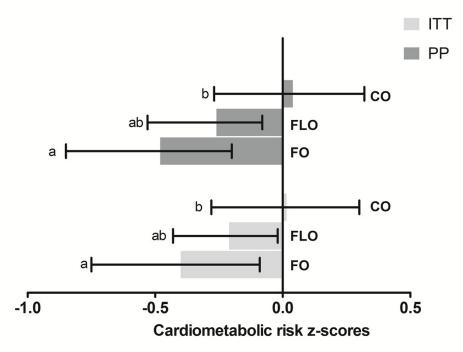


Figure S2. Changes in cardiometabolic risk scores in both intention-to-treat and pre-protocol participants by treatment groups