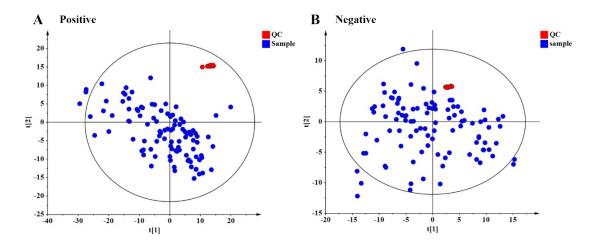
	Content (mg)									
Capsules	EPA C20:5n-3	DHA C22:6n-3	ALA C18:3n-3	C16:0	C18:1n-9	C16:1	C20:0	C14:0	C18:2n-6	
FO	300	200	/	71.4	58.4	56	39.4	34.6	/	
FSO	/	/	630	/	137	/	/	/	155	
СО	/	/	/	121	299	/	/	/	534	

Supplementary Table 1 Experiment oil capsule preparation

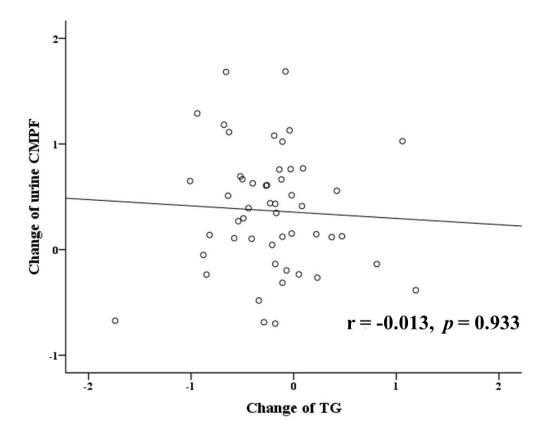
All the capsules were made in the Neptunus Bioengineering Co., Ltd (Hangzhou, China). Each FO, FSO, or CO capsule was one gram. All the capsules were kept in

white bottles (90 capsules/bottle), which were labeled as Oil A, Oil B and Oil C for the three types of capsules. None of the participants or the nurses/physicians in

the	study	centers	knew	the	oil	type	during	the	intervention.
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Supplementary Fig. 1 Score plots derived from PCA models. QCs were clustered together in both positive (A) and negative (B) ionization mode.



Supplementary Fig. 2 Correlation between change of urine CMPF and TG. *p* value for correlation was adjusted for age, sex, BMI and trial arms. CMPF, 3-carboxy-4-methyl-5-propyl-2-furanpropanoic acid; TG, triacylglycerol.