

Supplementary Material: N-3 Long-Chain Polyunsaturated Fatty Acids, Eicosapentaenoic and Docosahexaenoic Acid, and the Role of Supplementation during Cancer Treatment: A Scoping Review of Current Clinical Evidence

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Table S1. Characteristics of the C reactive protein assessments included in clinical trials.

Cancer localization	Baseline values (mg/ml)	End of Treatment	Direction of change in N-3 group	Reference
Pre or Post treatment				
Breast (Pre-chemotherapy)	CNT: 1 (0-2) N-3: 1 (1-5)	CNT: Δ 17.2% (-0.16 to 91.99) N-3: Δ -5.9% (-35.4 to 74.12)	Stable CRP compared to baseline; NS ↓ compared to CNT ($P<0.06$)	[12]
Breast (Post-treatment, on AI)	N-3 (high CRP): 13.3 (± 3.6) N-3 (med CRP): 7.6 (± 1.4) N-3 (low CRP): 4.8 (± 0.5)	N-3 (high CRP): Δ -12 (± 16.4) N-3 (med CRP): Δ -2.2 (± 3.0) N-3 (low CRP): Δ 0.2 (± 2.9)	N-3 group with highest baseline CRP had largest ↓ ($P<0.02$), med baseline CRP had second ↓ ($P<0.04$), lowest baseline CRP: NC.	[13]
Stages III, IV (concurrent with chemotherapy) or Palliative				
Colorectal	149 (12 to 447)	CNT: Δ -5.0 (-182 to 109) N-3: Δ 3.0 (-152 to 109)	NC	[40]

Colorectal	18.2 (± 13.9)	N-3: 19.4 (± 17.7)	No placebo; CRP levels at end of Wk 3 were ↑ and returned to baseline levels at Wk 9	[41]
Colorectal	CNT: 4.85 (1.01-6.33) N-3: 3.39 (1.49-18.24)	CNT: Δ 24 (± 30.2) N-3: Δ -8.8 (± 13.5)	↓ Compared to baseline ($P<0.05$) and CNT ($P<0.04$)	[32]
Colorectal	CNT: 6.4 (1.6-23.7) N-3: 5.1 (4.1-12.3)	CNT: Δ 1 (-1.8 to 10.3) N-3: Δ -1.4 (-4 to -0.7)	↓ Compared to baseline and CNT ($P<0.06$)	[33]
Head & Neck	CNT: 25 (± 38) N-3: 21 (± 35)	CNT: Δ -13 (± 36) N-3: Δ -7 (± 34)	NS	[18]
Leukemia	CNT: 16.9 (6.8-75.9) N-3: 35.3 (10.2 -54.4)	CNT: Δ -13.7 (-47.4 to -1.1) N-3: Δ -4.7 (-23.8 to -1.0)	↓ Compared to baseline ($P<0.04$)	[48]
Lung	580 (67-1134)	CNT: Δ -22 (-871 to 103) N-3: Δ -45 (-1066 to 302)	NS trend towards ↓ CRP	[40]
Lung	N-3: 33 (± 17.8) N-3+chemo: 38 (± 22.3)	N-3: Δ -6.7 (4.5) N-3+chemo: -21.3 (7)	Both groups ↓ CRP to baseline ($P<0.02$); N-3+chemo ↓ CRP compared to N-3 alone ($P<0.005$)	[52]
Lung (NSCLC)	CNT: 50.4 (± 66.8) N-3: 39.1 (± 42.9)	Not defined, but both groups decreased until study end	groups, but malnourished had ↑ CRP compared to nourished	[53]
Lung (NSCLC)	CNT: 37 (± 40) N-3: 32 (± 40)	CNT: Δ 1.9 (± 0.2) N-3: Δ -13	↓ Compared to baseline ($P<0.02$) and CNT ($P<0.07$)	[54]
Lung (NSCLC)	CNT: 11.5 N-3: 12.89	CNT: 27.09 N-3: 10.09	Stable CRP compared to control	[50]

Lung (NSCLC)	CNT: 12.7 (± 3.5) N-3: 13.5 (± 3.9)	CNT: Δ 9.4 (6.8 to 11.3) ↓ Compared to baseline N-3: Δ -2.2 (-5.7 to -0.8) and CNT ($P < 0.01$)	[51]
Pancreatic	CNT: 11 (5-30) N-3: <5 (<5-21)	CNT: Δ ~30% ↑ N-3: NC	Stable CRP compared to control [59]
Surgical interventions			
Esophageal (O-III)	CNT: 6 (5)* N-3: 6 (5)	CNT: Surgery: 137 (45) to 54 (50) post N-3: Surgery: 148 (36) to 30 (23) post	↑ after surgery & ↓ by day 21 but not different from CNT [46]
Gastrointestinal	CNT: 0.3 (± 0.1) N-3: 0.4 (± 0.1)	CNT: Surgery: 4.6 (± 1.8) to 3.9 (± 2.3) post N-3: Surgery: 4.8 (± 2.3) to 2.0 (± 1.1) post	↑ after surgery & ↓ compared CNT by day 8 ($P < 0.05$) [24]

*Reported mg/l in this study