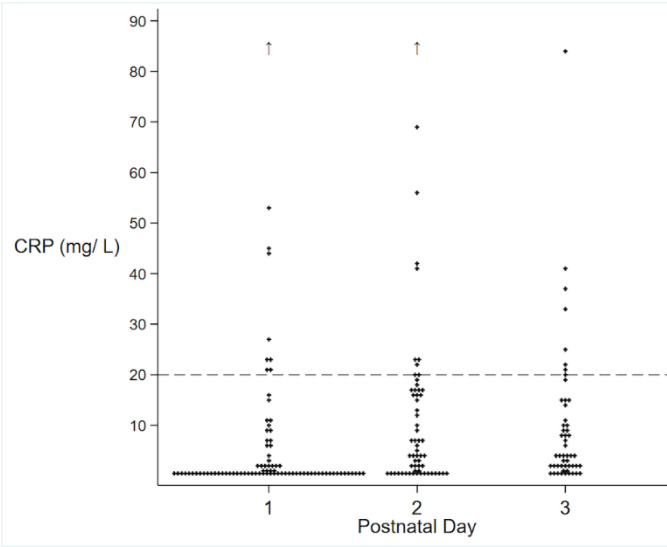
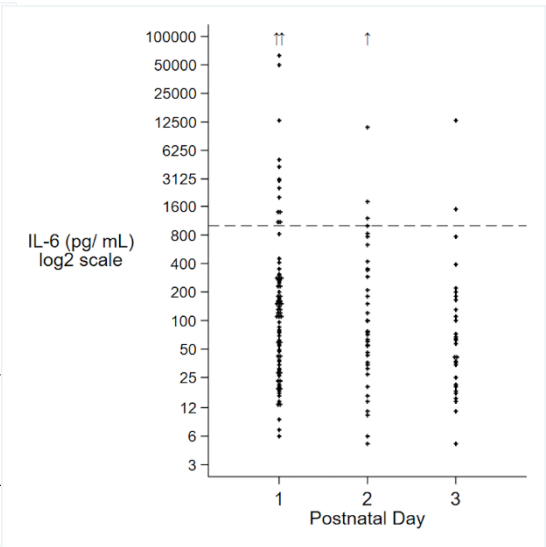


Supplement

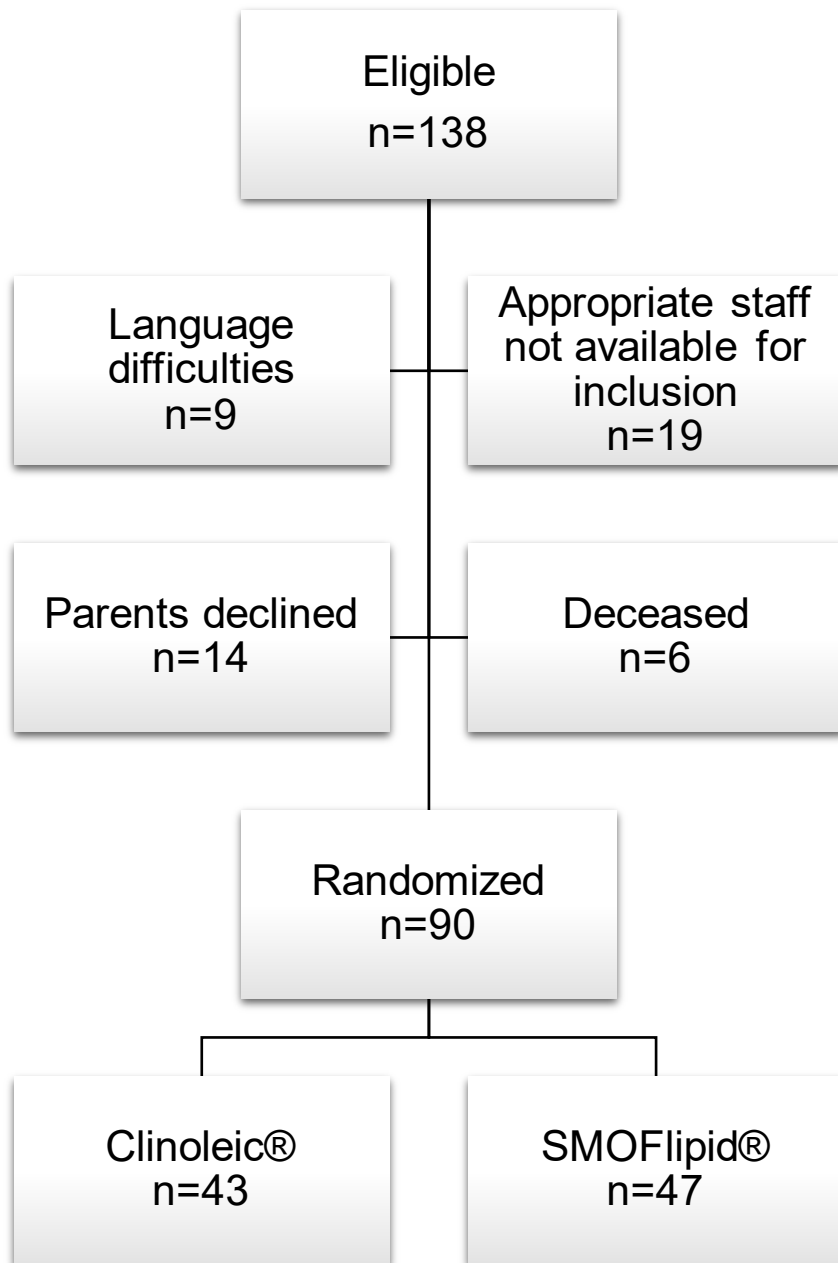
**A**



**B**



**Figure S1.** Distribution of clinical samples of (A) CRP, and (B) IL-6 the first three postnatal days.



**Figure S2.** Patient enrollment flow chart.

**Table S1.** Fatty acid levels in cord blood, the first postnatal day, week and month.

	<b>Cord blood</b> n=40	<b>Day 1</b> n=90	<b>Day 7</b> n=84	<b>Day 8-28*</b> n=72
omega-3 fatty acids				
ALA mol%	0.02 (0.03) 0.01 (0.01-0.02)	0.10 (0.32) 0.04 (0.02-0.09)	0.12 (0.13) 0.10 (0.08-0.13)	0.10 (0.06) 0.09 (0.07-0.12)
EPA mol%	0.52 (0.24) 0.46 (0.36-0.66)	0.60 (0.09) 0.55 (0.41-0.68)	0.91 (0.61) 0.83 (0.37-1.45)	0.91 (0.39) 0.84 (0.61-1.14)
DHA mol%	3.30 (0.86) 3.30 (2.74-3.66)	3.23 (0.84) 3.21 (2.69-3.76)	2.22 (0.49) 2.16 (1.88-2.54)	2.49 (0.50) 2.50 (2.07-2.90)
omega-6 fatty acids				
LA mol%	6.39 (1.35) 6.34 (5.56-6.92)	7.25 (2.13) 6.89 (5.90-8.10)	14.79 (2.58) 14.82 (13.51-16.59)	14.02 (2.04) 14.24 (12.47-15.73)
AA mol%	16.17 (2.42) 16.39 (14.65-18.12)	14.58 (2.52) 14.53 (13.39-15.86)	8.00 (1.37) 7.95 (7.03-9.04)	7.94 (1.27) 7.94 (7.13-8.79)

Mean (SD), median (25<sup>th</sup> –75<sup>th</sup> percentile)

\* Area under the curve, calculated by the trapezoidal rule using all samples and sampling days during the period of interest, divided by time to generate average fatty acid levels.