

Comparison: Topical emollients compared with no intervention or skin care without emollients

Source: Priyadarshi M, Balachander B, Gupta S, Sankar MJ. Emollients application in term healthy newborns: a systematic review (submitted).

Certainty assessment							No of patients		Effect		Certainty (GRADE)	Importance
No of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Topical emollients	No emollients	Relative (95% CI)	Absolute (95% CI)		
Atopic dermatitis												
2	randomized trials	serious ^a	not serious	not serious	serious ^b	none	89/695 (12.8%)	70/713 (9.8%)	RR 1.29 (0.96 to 1.72)	28 more per 1000 (from 4 fewer to 71 more)	⊕⊕○○ LOW	CRITICAL
Food allergy												
1	randomized trials	serious ^a	not serious	not serious	very serious ^{b,c}	none	13/118 (11.0%)	15/115 (13.0%)	RR 0.84 (0.42 to 1.70)	21 fewer per 1000 (from 76 fewer to 91 more)	⊕○○○ VERY LOW	CRITICAL
Allergic sensitization – food allergens												
1	randomized trials	serious ^a	not serious	not serious	very serious ^{b,d}	none	72/119 (60.5%)	53/115 (46.1%)	RR 1.31 (1.03 to 1.68)	143 more per 1000 (from 14 more to 313 more)	⊕○○○ VERY LOW	CRITICAL
Allergic sensitization – inhalation												
1	randomized trials	serious ^a	not serious	not serious	very serious ^{b,c}	none	11/119 (9.2%)	11/115 (9.6%)	RR 0.97 (0.44 to 2.14)	3 fewer per 1000 (from 54 fewer to 109 more)	⊕○○○ VERY LOW	CRITICAL
Skin condition – dryness												
2	randomized trials	very serious ^e	not serious	not serious	very serious ^{b,d}	none	51/153 (33.3%)	62/141 (44.0%)	RR 0.74 (0.55 to 1.00)	114 fewer per 1000 (from 198 fewer to 0 fewer)	⊕○○○ VERY LOW	CRITICAL

Certainty assessment							No of patients		Effect		Certainty (GRADE)	Importance
No of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Topical emollients	No emollients	Relative (95% CI)	Absolute (95% CI)		

Skin condition – skin problems

2	randomized trials	very serious ^e	not serious	not serious	serious ^d	none	83/152 (54.6%)	95/140 (67.9%)	RR 0.92 (0.81 to 1.05)	54 fewer per 1000 (from 129 fewer to 34 more)	⊕○○○ VERY LOW	CRITICAL
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CI: confidence interval; RR: risk ratio.

- a. Most of the pooled effect provided by studies “B”.
- b. Wide confidence interval crossing the line of no effect.
- c. Less than 30 events and less than 300 participants.
- d. Less than 300 participants.
- e. Most of the pooled effect provided by studies “C”.