

Table SI. General overview of studies	
Features	General outline of feature
Total number of participants	742 participants
General duration of studies	Ranging between 10 days to 6 months
Range of Publication year	1998-2024
Age group of participants	No. of pediatric studies- 9 No. of Adult studies- 8 No. of mixed studies- 6 No. of studies with unknown age group- 3
Age range of participants	<1- 70 years
Gender of participants	Mixed, both male and females present.
Interventions used	Montelukast or Zafirlukast
Dosages	Montelukast: Ranging between 4mg-10mg Zafirlukast: 20 mg
Study designs	RCTs: 16 Quasi- experimental: 2 Case-control:1 Case series: 7

RCTs: Randomized Controlled Trials

Table SII. Database search-strings	
PubMed	"Dermatitis, Atopic"[Mesh] OR "atopic dermatitis"[tiab] OR "Allergic Contact, dermatitis"[tiab] OR "Dermatitis, Allergic Contact"[Mesh] AND "zafirlukast" [Supplementary Concept] OR "montelukast" [Supplementary Concept] OR "Leukotriene Antagonists"[Mesh] OR "Leukotriene Antagonists" [Pharmacological Action] OR "zafirlukast"[tiab] OR "montelukast"[tiab] OR "Leukotriene Antag"[tiab] pubmed
CENTRAL (Cochrane Central Register of Controlled Trials)	MeSH descriptor: [Dermatitis, Atopic] explode all trees OR ((atopic NEXT dermatitis) OR (Derm* NEXT Allergic ADJ Contact)):ti,ab,kw AND MeSH descriptor: [Leukotriene Antagonists] explode all trees OR ((zafirlukast*) OR (montelukast*) OR (Leukotriene ADJ Antag*)):ti,ab,kw cochrane
Google Scholar	"Atopic dermatitis" dermatitis eczema "atopic eczema" "contact dermatitis" montelukast zafirlukast "leukotriene receptor antagonist" "leukotriene antagonist" LTR
SciDirect	("Atopic dermatitis" OR "Allergic contact dermatitis" OR "Allergic Eczematous Dermatitis" OR "eczema" OR "atopic eczema") AND ("zafirlukast" OR "montelukast" OR "Leukotriene Antagonist" OR "Leukotriene Receptor Antagonist")
Scopus	TITLE-ABS-KEY("Atopic dermatitis" OR "atopic dermatitis" OR "Allergic Contact dermatitis" OR "Allergic contact dermatitis" OR "Allergic Eczematous Dermatitis" OR "Atopic eczema" OR "infantile eczema") AND TITLE-ABS-KEY ({zafirlukast} OR {montelukast} OR "Leukotriene Antagonist" OR "Leukotriene Antagonists" OR "Leukotriene Receptor Antagonists" OR "Leukotriene Receptor Antagonist" OR "zafirlukast*" OR "montelukast*" OR "Leukotriene Antag*")
Clinicaltrials.gov	Atopic dermatitis OR Eczema Montelukast OR Leukotriene receptor antagonists OR Zafirlukast OR Singulair\ (Montelukast Sodium\) Chewable Tablets 5 mg