

1: "abrocitinib"[Supplementary Concept] OR "abrocitinib"[All Fields] OR (("n"[All Fields] AND (("cis 3"[All Fields] AND (((("methyl"[All Fields] OR "methylate"[All Fields] OR "methylated"[All Fields] OR "methylates"[All Fields] OR "methylating"[All Fields] OR "methylation"[MeSH Terms] OR "methylation"[All Fields] OR "methylations"[All Fields] OR "methylational"[All Fields] OR "methylator"[All Fields] OR "methylators"[All Fields] OR "methylys"[All Fields])) AND ("7H-pyrrolo"[All Fields] AND ("2"[All Fields] AND "3-d"[All Fields])) AND "pyrimidin-4-yl"[All Fields])) AND ("amino"[All Fields] OR "aminos"[All Fields])) AND "cyclobutyl"[All Fields])) AND "1-Propanesulfonamide"[All Fields]) OR (("n"[All Fields] AND (("cis 3"[All Fields] AND (((("methyl"[All Fields] OR "methylate"[All Fields] OR "methylated"[All Fields] OR "methylates"[All Fields] OR "methylating"[All Fields] OR "methylation"[MeSH Terms] OR "methylation"[All Fields] OR "methylations"[All Fields] OR "methylational"[All Fields] OR "methylator"[All Fields] OR "methylators"[All Fields] OR "methylys"[All Fields])) AND ("7H-pyrrolo"[All Fields] AND ("2"[All Fields] AND "3-d"[All Fields])) AND "pyrimidin-4-yl"[All Fields])) AND ("amino"[All Fields] OR "aminos"[All Fields])) AND "cyclobutyl"[All Fields])) AND "propane 1 sulfonamide"[All Fields]) OR ("1-Propanesulfonamide"[All Fields] AND "n"[All Fields]) AND (("cis 3"[All Fields] AND ("methyl-7H-pyrrolo"[All Fields] AND ("2"[All Fields] AND "3-d"[All Fields])) AND "pyrimidin-4-ylamino"[All Fields])) AND "cyclobutyl"[All Fields]) OR ("abrocitinib"[Supplementary Concept] OR "abrocitinib"[All Fields] OR "pf 04965842"[All Fields])

Results: 107

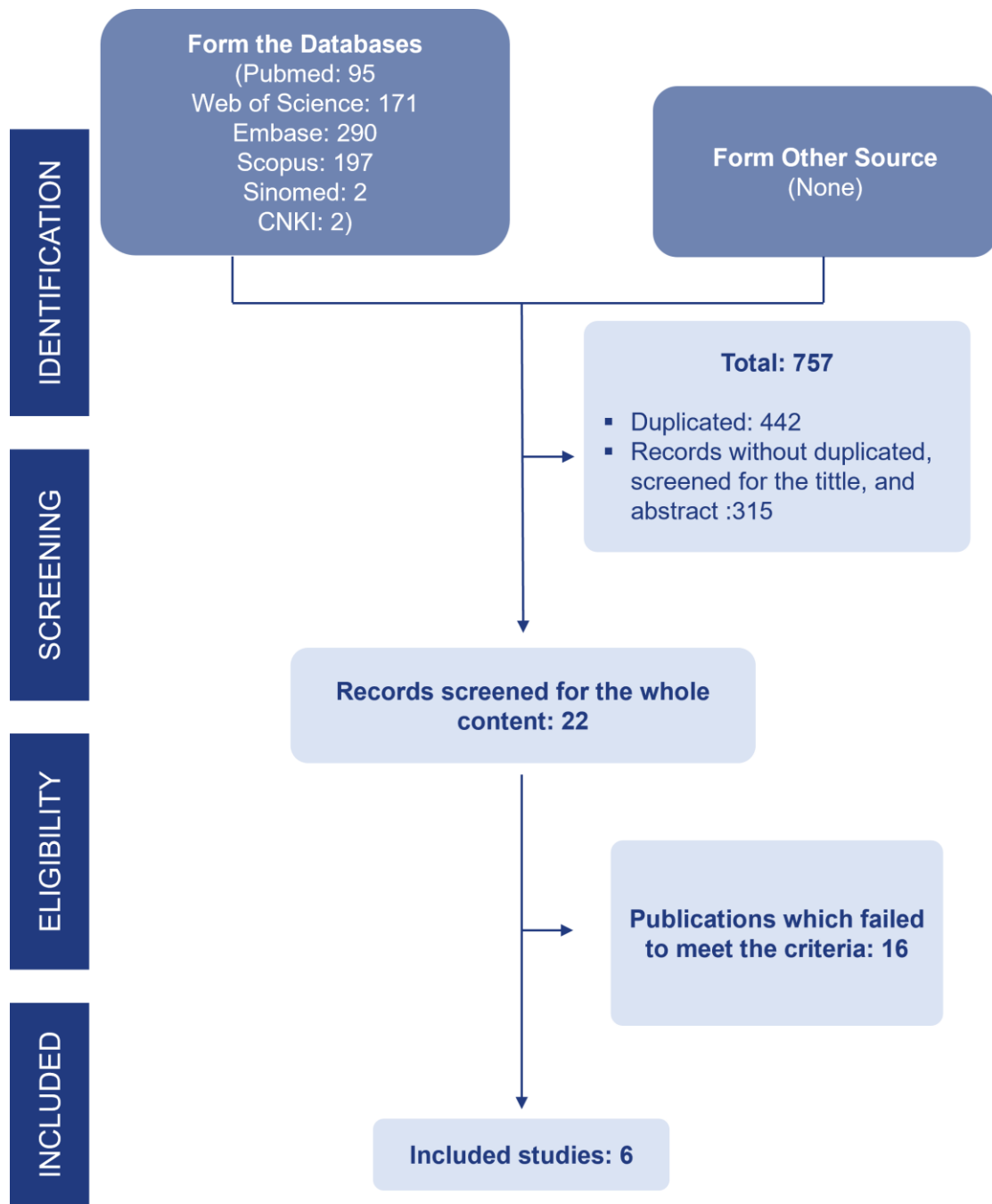
2: (((((((((((((((Atopic Dermatitis) OR (Atopic Dermatitis)) OR (Dermatitis, Atopic)) OR (Neurodermatitis, Atopic)) OR (Atopic Neurodermatitis)) OR (Atopic Neurodermatitis)) OR (Neurodermatitis, Atopic)) OR (Neurodermatitis, Disseminated)) OR (Disseminated Neurodermatitis)) OR (Disseminated Neurodermatitis)) OR (Neurodermatitis, Disseminated)) OR (Eczema, Atopic)) OR (Atopic Eczema)) OR (Eczema, Infantile)) OR (Infantile Eczema)

Results: 34749

3: 1&2

Results: 95

Supplementary Figure S1. Search strategies in PubMed



Supplementary Figure S2. Flowchart of selection

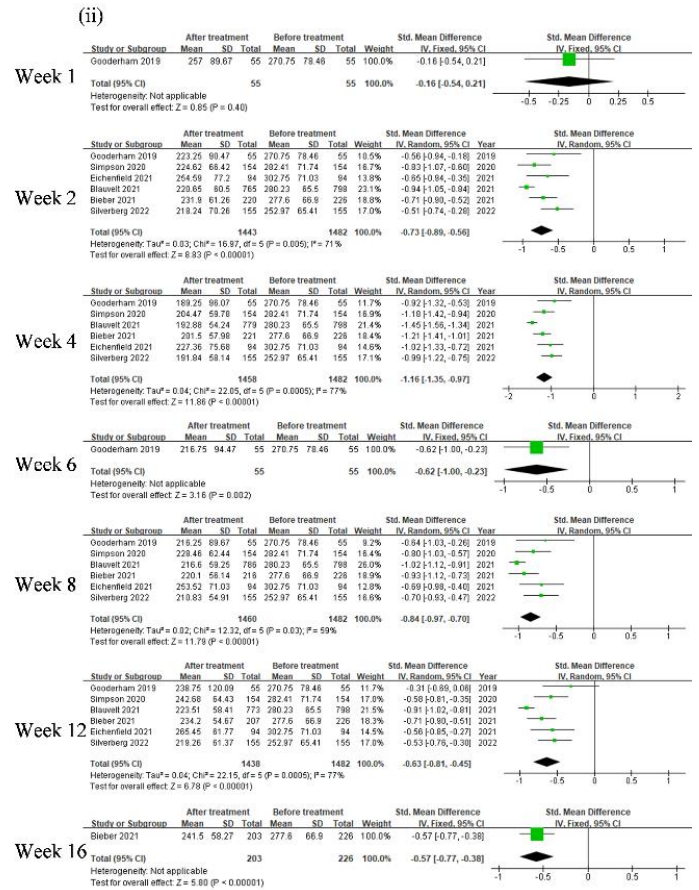
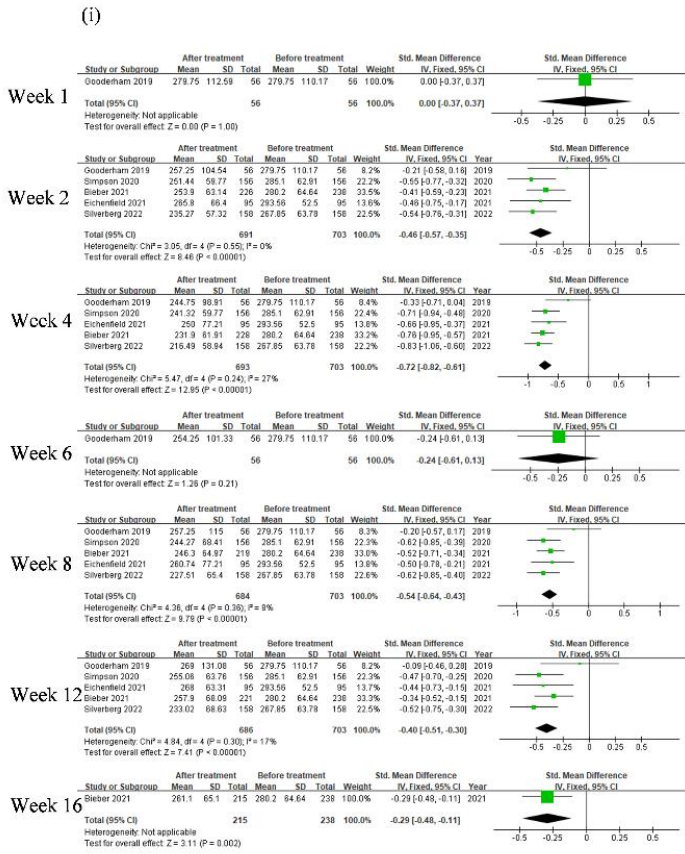
Inclusion criteria:

- (1) Studies on the effect of abrocitinib in patients with atopic dermatitis;
- (2) Baseline platelets count was present or could be extracted before treatment;
- (3) The specific dose of abrocitinib used and evaluation time point were shown;
- (4) The platelets count was present or could be extracted after treatment;

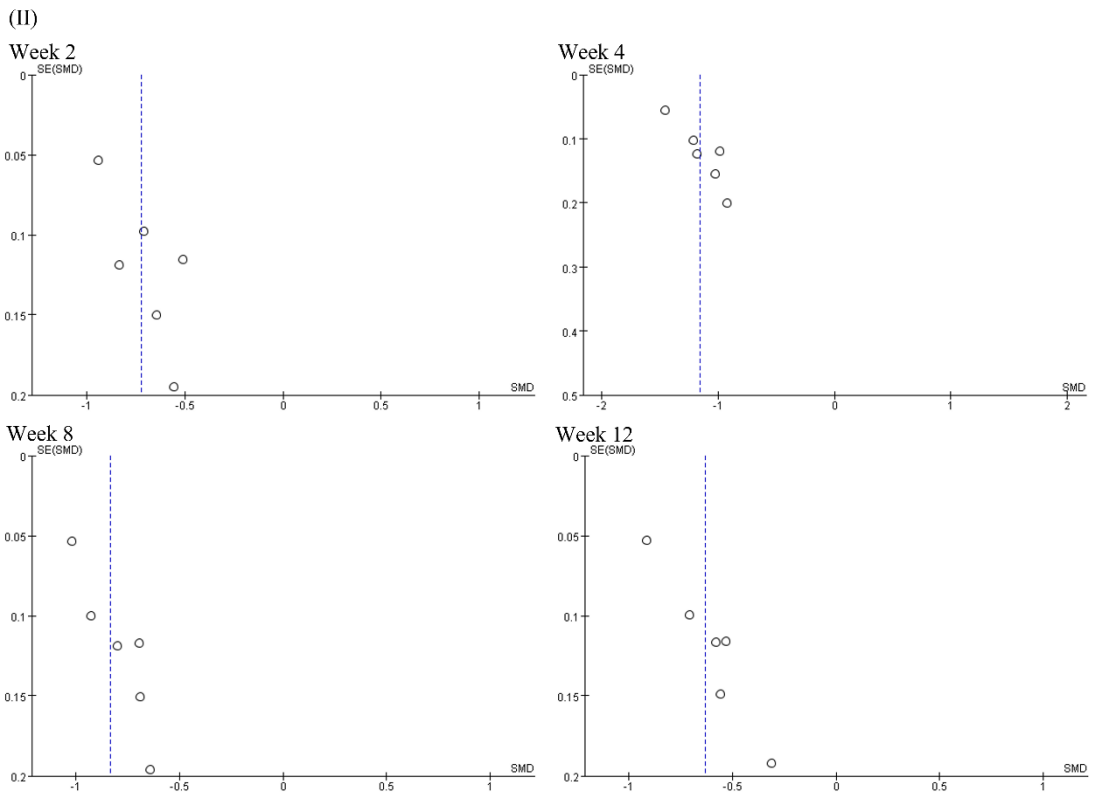
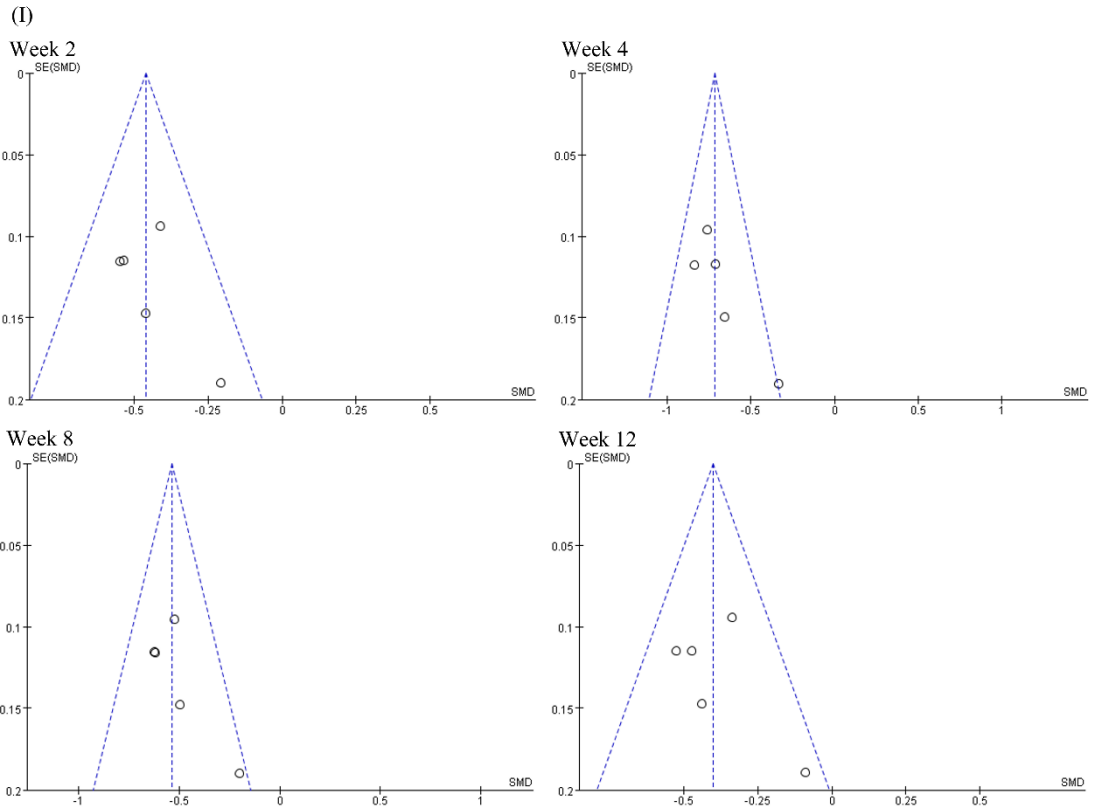
Exclusion criteria:

- (1) Conference publications, review articles, case reports, commentary articles or animal studies;
- (2) Overlapping data or second analysis to the previous studies;
- (3) Before or after treatment, insufficient information was provided to calculate or extract the platelets count to the form of Mean \pm SD;
- (4) The exhibited data in the study need three or more transformations to the form of Mean \pm SD;
- (5) No clear evaluation time point after treatment;
- (6) The data cannot be extracted separately based on the doses if two or more applied doses were existed in a study group.

Supplementary Figure S3. Inclusion and exclusion criteria of selection



Supplementary Figure S4. (i) Forest plots of abrocitinib used with 100mg qd; (ii) Forest plots of abrocitinib used with 200mg qd



Supplementary Figure S5. Funnel plots of publication bias: (I) abrocitinib used with 100mg qd; (II) abrocitinib used with 200mg qd