

Table E1. Literature search

Search Cochrane Databases of Systematic Reviews, Database of Abstracts of Reviews of Effectiveness, and Central; Literature search 2015, April 25th	
1.	"asthmazoekacties jan 2012".ti. (0)
2.	asthma.tw. (14671)
3.	Bronchial Spasm.tw. (15)
4.	asthma*.tw. (17541)
5.	wheez*.tw. (869)
6.	bronchospas*.tw. (777)
7.	(bronch* adj8 spas*).tw. (52)
8.	bronchoconstrict*.tw. (1663)
9.	(bronch* adj8 constrict*).tw. (71)
10.	airway* inflammation*.tw. (704)
11.	or/2-10 (18894)
12.	immunotherap*.kw,tw. (2803)
13.	11 and 12 (473)
14.	subcutaneou*.kw,tw. (8020)
15.	12 and 14 (259)
16.	15 (259)
17.	limit 16 to yr="2008 -Current" (57)
Search Medline 2017, June, 2nd	
1	"Effect of one-year subcutaneous and sublingual immunotherapy on clinical and laboratory parameters in children with rhinitis and asthma: a randomized, placebo-controlled, double-blind, double-dummy study".fc_titl. (1)
2	"A double-blind, placebo-controlled study of house dust mite immunotherapy in Chinese asthmatic patients".fc_titl. (1)
3	"Effect of specific immunotherapy added to pharmacologic treatment and allergen avoidance in asthmatic patients allergic to house dust mite".fc_titl. (1)
4	"abramson\$.fc_auts. and "Injection allergen immunotherapy for asthma".fc_titl. (1)
5	"Efficacy of sublingual immunotherapy in asthma: systematic review of randomized-clinical trials using the Cochrane Collaboration method".fc_titl. (1)
6	"Metaanalysis of the efficacy of sublingual immunotherapy in the treatment of allergic asthma in pediatric patients".fc_titl. (1)
7	"Normansell\$.fc_auts. and "Sublingual immunotherapy for asthma".fc_titl. (1)
8	"Efficacy of sublingual immunotherapy in patients with rhinitis and asthma due to house dust mite. A double-blind study".fc_titl. (1)
9	"Double-blind, placebo-controlled evaluation of sublingual immunotherapy with standardized olive pollen extract in pediatric ".fc_titl. (1)
10	"Clinical and immunologic effects of long-term sublingual immunotherapy in asthmatic children sensitized to mites: a double-blind, placebo-controlled ".fc_titl. (1)
11	"Efficacy of sublingual immunotherapy with high-dose mite extracts in asthma: a multi-center, double-blind, randomized, and placebo-controlled study in Taiwan".fc_titl. (1)
12	"Immunomodulation during sublingual therapy in allergic children".fc_titl. (1)
13	"Preseasonal local allergoid immunotherapy to grass pollen in children: a double-blind, placebo-controlled, randomized trial".fc_titl. (1)
14	"Sublingual immunotherapy and influence on urinary leukotrienes in seasonal pediatric allergy".fc_titl. (1)
15	"A prospective, randomized, double-blind, placebo-controlled multi-centre study on the efficacy and safety of sublingual immunotherapy (SLIT) in children with seasonal allergic rhinoconjunctivitis to grass pollen".fc_titl. (1)
16	"Sublingual immunotherapy with allergenic extract of Dermatophagoides pteronyssinus in asthmatic children".fc_titl. (1)
17	"Sublingual immunotherapy abrogates seasonal bronchial hyperresponsiveness in children with Parietaria-induced respiratory allergy: a randomized controlled trial. ".fc_titl. (1)
18	"Impact of sublingual immunotherapy on seasonal asthma and skin reactivity in children allergic to Parietaria pollen treated with ".fc_titl. (1)

19 "Double-blind placebo-controlled study of sublingual immunotherapy with house dust mite extract ".fc_titl. (1)

20 "Efficacy of sublingual immunotherapy in children with asthma and rhinitis: a double-blind, placebo-controlled study. ".fc_titl. (1)

21 or/1-3 (3)

22 or/4-20 (17)

23 21 or 22 (20)

24 "controle refs slit scit".ti. (0)

25 asthma/ or bronchial spasm/ (118686)

26 (asthma* or wheez* or bronchospas* or bronchoconstrict* or (airway* adj inflammat*)).tw. (155964)

27 (asthma* or wheez* or bronchospas* or bronchoconstrict* or (airway* adj inflammat*)).kf. (15593)

28 or/25-27 (176447)

29 23 and 28 (19)

30 23 not 29 (1)

31 rhinitis, allergic, perennial/ or rhinitis, allergic, seasonal/ (18469)

32 28 or 31 (188701)=P

33 Immunotherapy/ (36085)

34 Sublingual Immunotherapy/ (231)

35 Desensitization, Immunologic/ (9795)

36 (SCIT or SLIT or (sublingual adj1 immunotherap*) or (subcutaneous adj1 immunotherap*)).tw. (16817)

37 (SCIT or SLIT or (sublingual adj1 immunotherap*) or (subcutaneous adj1 immunotherap*)).kf. (442)

38 or/33-37 (61196)

39 "Injections, Subcutaneous"/ (31338)

40 33 and 39 (294)

41 34 or 35 or 36 or 37 or 40 (26000)=I

42 28 and 41 (3043)

43 "filter systematic reviews".ti. (0)

44 meta analysis.pt. (81124)

45 (meta-anal\$ or metaanal\$).af. (144025)

46 (quantitativ\$ adj10 (review\$ or overview\$)).tw. (6863)

47 (systematic\$ adj10 (review\$ or overview\$)).tw. (119262)

48 (methodologic\$ adj10 (review\$ or overview\$)).tw. (9132)

49 (quantitativ\$ adj10 (review\$ or overview\$)).kf. (32)

50 (systematic\$ adj10 (review\$ or overview\$)).kf. (8208)

51 (methodologic\$ adj10 (review\$ or overview\$)).kf. (36)

52 medline.tw. and review.pt. (64452)

53 (pooled adj3 analy*).tw. (14081)

54 (pooled adj3 analy*).kf. (128)

55 "cochrane\$".fc_jour. (13410)

56 or/44-55 (258042)

57 randomized-controlled-trial.pt. (465042)

58 controlled-clinical-trial.pt. (94188)

59 randomized controlled trial/ (465042)

60 randomi?ed controlled trial?.tw. (131360)

61 random-allocation.tw,kf. (1445)

62 double-blind-method.tw,kf. (456)

63 single-blind-method.tw,kf. (81)

64 (random adj8 (selection? or sample?)).tw. (40888)

65 random\$.tw. (952984)

66 or/57-65 (1156986)

67 "rct filter sprec".ti. (0)

68 (child??? or childhood or infant* or p?ediatr* or perinat* or neonat* or newborn* or infan* or boy? or girl? or kid? or schoolage* or juvenil* or adolescen* or toddler?).tw. (2058217)

69 exp Child/ (1759435)

70 exp infant/ (1058929)

71 "Adolescent"/ (1847650)

72 or/68-71 (3858822)

73 "filter child".ti. (0)
74 23 and 72 (19)
75 23 not 74 (1)
76 32 and 41 and 56 (184)
77 32 and 41 and 72 and 56 (90) systrev

Search Embase 2017, June, 2nd

1 asthma/ (202909)
2 bronchospasm/ (25054)
3 bronchoconstriction/ (1300)
4 respiratory tract inflammation/ or allergic airway inflammation/ (11606)
5 (asthma* or wheez* or bronchospas* or bronchoconstrict* or (airway* adj inflammat*)).tw. (215497)
6 (asthma* or wheez* or bronchospas* or bronchoconstrict* or (airway* adj inflammat*)).kw. (51383)
7 perennial rhinitis/ (3627)
8 or/1-7 (279683)=P
9 sublingual immunotherapy/ (1695)
10 immunotherapy/ (67533)
11 subcutaneous drug administration/ (97428)
12 10 and 11 (1148)
13 subcutaneous immunotherapy/ (1226)
14 (SCIT or SLIT or (sublingual adj1 immunotherap*) or (subcutaneous adj1 immunotherap*)).tw. (19513)
15 (SCIT or SLIT or (sublingual adj1 immunotherap*) or (subcutaneous adj1 immunotherap*)).kw. (1765)
16 9 or 12 or 13 or 14 or 15 (21563)=I
17 8 and 16 (2229)
18 "Effect of one-year subcutaneous and sublingual immunotherapy on clinical and laboratory parameters in children with rhinitis and asthma: a randomized, placebo-controlled, double-blind, double-dummy study".fc_titl. (1)
19 "A double-blind, placebo-controlled study of house dust mite immunotherapy in Chinese asthmatic patients".fc_titl. (1)
20 "Effect of specific immunotherapy added to pharmacologic treatment and allergen avoidance in asthmatic patients allergic to house dust mite".fc_titl. (1)
21 "abramson\$".fc_auts. and "Injection allergen immunotherapy for asthma".fc_titl. (1)
22 "Efficacy of sublingual immunotherapy in asthma: systematic review of randomized-clinical trials using the Cochrane Collaboration method".fc_titl. (1)
23 "Metaanalysis of the efficacy of sublingual immunotherapy in the treatment of allergic asthma in pediatric patients".fc_titl. (1)
24 "Normansell\$".fc_auts. and "Sublingual immunotherapy for asthma".fc_titl. (1)
25 "Efficacy of sublingual immunotherapy in patients with rhinitis and asthma due to house dust mite. A double-blind study".fc_titl. (1)
26 "Double-blind, placebo-controlled evaluation of sublingual immunotherapy with standardized olive pollen extract in pediatric ".fc_titl. (1)
27 "Clinical and immunologic effects of long-term sublingual immunotherapy in asthmatic children sensitized to mites: a double-blind, placebo-controlled ".fc_titl. (1)
28 "Efficacy of sublingual immunotherapy with high-dose mite extracts in asthma: a multi-center, double-blind, randomized, and placebo-controlled study in Taiwan".fc_titl. (1)
29 "Immunomodulation during sublingual therapy in allergic children".fc_titl. (1)
30 "Preseasonal local allergoid immunotherapy to grass pollen in children: a double-blind, placebo-controlled, randomized trial".fc_titl. (1)
31 "Sublingual immunotherapy and influence on urinary leukotrienes in seasonal pediatric allergy".fc_titl. (1)
32 "A prospective, randomized, double-blind, placebo-controlled multi-centre study on the efficacy and safety of sublingual immunotherapy (SLIT) in children with seasonal allergic rhinoconjunctivitis to grass pollen".fc_titl. (2)
33 "Sublingual immunotherapy with allergenic extract of Dermatophagoides pteronyssinus in asthmatic children".fc_titl. (2)
34 "Sublingual immunotherapy abrogates seasonal bronchial hyperresponsiveness in children with Parietaria-induced respiratory allergy: a randomized controlled trial. ".fc_titl. (1)

35 "Impact of sublingual immunotherapy on seasonal asthma and skin reactivity in children allergic to Parietaria pollen treated with ".fc_titl. (1)

36 "Double-blind placebo-controlled study of sublingual immunotherapy with house dust mite extract ".fc_titl. (1)

37 "Efficacy of sublingual immunotherapy in children with asthma and rhinitis: a double-blind, placebo-controlled study. ".fc_titl. (1)

38 or/18-20 (3)

39 or/21-37 (19)

40 38 or 39 (22)

41 "controle refs slit scit".ti. (0)

42 "filter systematic reviews & meta-analyses Embase".ti. (0)

43 meta analysis/ (127495)

44 "systematic review"/ (139284)

45 (meta-analy\$ or metaanaly\$).tw. (145912)

46 (systematic\$ adj4 (review\$ or overview\$)).tw. (139834)

47 (quantitativ\$ adj5 (review? or overview?)).tw. (3786)

48 (methodologic adj5 (overview? or review?)).tw. (325)

49 (review\$ adj3 (database? or medline or embase or cinahl)).tw. (19428)

50 (pooled adj3 analy\$).tw. (20108)

51 (extensive adj3 review\$ adj3 literature).tw. (2903)

52 (meta or synthesis or (literature adj8 database?) or extraction).tw. (1197812)

53 review.pt. (2259303)

54 52 and 53 (112526)

55 (systematic\$ adj4 (review\$ or overview\$)).kw. (16750)

56 (quantitativ\$ adj5 (review? or overview?)).kw. (48)

57 (pooled adj3 analy\$).kw. (354)

58 or/43-51,54-57 (381419)

59 "filter rct embase".ti. (0)

60 controlled clinical trial/ or randomized controlled trial/ (614267)

61 randomization/ (73811)

62 Major Clinical Study/ (2803898)

63 random\$.tw. (1196822)

64 Double Blind Procedure/ (139034)

65 or/60-64 (3916117)

66 "einde filter rct embase".ti. (0)

67 (child??? or childhood or infant* or p?ediatr* or perinat* or neonat* or newborn* or infan* or boy? or girl? or kid? or schoolage* or juvenil* or adolescen* or toddler?).tw. (2468214)

68 child/ (1526632)

69 infant/ (566151)

70 adolescent/ (1414197)

71 or/67-70 (3656088)

72 17 and 58 and 71 (85) systrev

73 (17 and 65 and 71) not 58 (370) rct

74 17 and 58 (208)

75 74 not 72 (123)

76 75 (123)

77 limit 76 to yr="2016 -Current" (14)

78 76 (123)

79 limit 78 to yr="2015 -Current" (31) extra systrev

Search Cochrane 2017, June, 2nd

#1	asthma*:ti,ab,kw	26843
#2	MeSH descriptor: [Asthma] this term only	9761
#3	MeSH descriptor: [Bronchial Spasm] explode all trees	360
#4	wheez*:ti,ab,kw	1642
#5	bronchospas*:ti,ab,kw	1594
#6	(bronch* near/8 spas*):ti,ab,kw	460
#7	bronchoconstrict*:ti,ab,kw	2204

#8	(bronch* near/8 constrict*):ti,ab,kw	121
#9	(airway* near/1 inflammation*):ti,ab,kw	1236
#10	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9	28980
#11	(perennial or seasonal or allergen* or hyposensiti*):ti,ab,kw	10214
#12	immunotherap*:ti,ab,kw	6399
#13	MeSH descriptor: [Immunotherapy] this term only	1140
#14	(SCIT or SLIT or (sublingual near/1 immunotherap*) or (subcutaneous near/1 immunotherap*)):ti,ab,kw	2033
#15	#11 or #12 or #13 or #14	15912
#16	#10 and #15	3351
#17	(child* or childhood or infant* or pediatr* or paediatric* or perinat* or neonat* or newborn* or infan* or boy* or girl* or kid* or schoolage* or juvenil* or adolescen* or toddler*):ti,ab,kw	239918
#18	#16 and #17	1570
#19	immunotherap*:ti,kw	5661
#20	subcutaneou*:ti,kw	12350
#21	(SCIT or SLIT or (sublingual near/1 immunotherap*) or (subcutaneous near/1 immunotherap*)):ti,kw	1257
#22	#13 or #19 or #20 or #21	17830
#23	#18 and #22	516
#24	(perennial or seasonal or allergen* or hypo-sensiti*):ti	5205
#25	#22 or #24	22321
#26	#25 and #18	927
#27	#16 and #22	1071
#28	MeSH descriptor: [Injections, Subcutaneous] explode all trees	4017
#29	(#12 or #13) and (#20 or #28)	646
#30	#29 or #21 or #24	6616
#31	MeSH descriptor: [Desensitization, Immunologic] 2 tree(s) exploded	872
#32	(#31 or #30) and #10	1961
#33	MeSH descriptor: [Child] explode all trees	227
#34	MeSH descriptor: [Adolescent] explode all trees	90499
#35	MeSH descriptor: [Infant] explode all trees	15066
#36	#17 or #33 or #34 or #35	239918
#37	#32 and #36	816

Results	
Cochrane Databases of Systematic Reviews	19
Database of Abstracts of Reviews of Effectiveness	7
Cochrane Central Trials Register	57
emb20170602 scit slit systrev.	53
emb20170602 scit slit extra vanaf2015systrev	26
med20170602 scit slit systrev.	89
coc sr20170601 extra astma scit slit.	4
coc dare20170602	5