

## Clinical effectiveness

### Source: *The Cochrane Library (Cochrane Central Register of Controlled Trials) 2011 Issue 1*

- #1 MeSH descriptor Rhinitis, Allergic, Seasonal, this term only
- #2 (rhinoconjunctivitis or rhino next conjunctivitis)
- #3 hay next fever
- #4 pollen next allergen\*
- #5 season\* next allergic
- #6 hayfever or pollinosis or pollenosis or sar
- #7 (#1 OR #2 OR #3 OR #4 OR #5 OR #6)
- #8 MeSH descriptor Rhinitis, this term only
- #9 rhinitis
- #10 (#8 OR #9)
- #11 intermittent\* or season\* or spring or summer
- #12 pollen\* or grass\* or birch or ragweed or tree\*
- #13 weed\* or mugwort or willow or alder
- #14 MeSH descriptor Trees, this term only
- #15 (#11 OR #12 OR #13 OR #14)
- #16 (#10 AND #15)
- #17 MeSH descriptor Desensitization, Immunologic, this term only
- #18 MeSH descriptor Allergens, this term only
- #19 desensiti\* or hyposensiti\*
- #20 MeSH descriptor Immunotherapy, this term only
- #21 immunotherap\* or immunomodulatory or allergen\* or antigen\*
- #22 immune next therapy
- #23 immunologic next response\*
- #24 grazax or pollinex or alutard
- #25 (#17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24)
- #26 (#7 OR #16)
- #27 (#25 AND #26)

### Source: *Ovid MEDLINE(R) 1948 to week 2 April 2011*

1. Rhinitis, Allergic, Seasonal/ (11,107)
2. (rhinoconjunctivitis or rhino conjunctivitis).ti,ab. (1334)
3. (hay fever or hayfever or pollinosis or pollenosis or SAR or pollen allergen\* or season\* allergic).ti,ab. (13,935)
4. or/1-3 (22,044)
5. Rhinitis/ (7156)
6. rhinitis.ti,ab. (15,813)
7. or/5-6 (19,981)
8. (intermittent\* or season\* or spring or summer or pollen\* or grass\* or birch or ragweed or tree\* or weed\* or mugwort or willow or alder).ti,ab. (223,342)
9. Trees/ or Poaceae/ (23,581)
10. 8 or 9 (234,891)
11. 7 and 10 (3812)
12. Desensitization, Immunologic/ (7170)
13. allergens/ (28,104)

14. (desensiti\* or hyposensiti\*).ti,ab. (22,895)
15. immunotherapy/ (25,148)
16. (immunotherap\* or immunomodulatory or immune therapy or immunologic response\* or allergen\* or antigen\*).ti,ab. (509,932)
17. (graxax or pollinex or alutard).ti,ab. (101)
18. or/12–17 (552,055)
19. 4 or 11 (23,106)
20. 18 and 19 (7716)
21. exp animals/ not humans/ (3,565,261)
22. 20 not 21 (7358)
23. limit 22 to "therapy (optimized)" (1051)

**Source: EMBASE (Ovid) 1980 to 2011 week 15**

1. exp allergic rhinitis/ (22,724)
2. (rhinoconjunctivitis or rhino conjunctivitis).ti,ab. (2038)
3. (hay fever or hayfever or pollinosis or pollenosis or SAR or pollen allergen\* or season\* allergic).ti,ab. (16,538)
4. or/1–3 (35,766)
5. rhinitis/ (11,928)
6. rhinitis.ti,ab. (20,790)
7. or/5–6 (27,861)
8. (intermittent\* or season\* or spring or summer or pollen\* or grass\* or birch or ragweed or tree\* or weed\* or mugwort or willow or alder).ti,ab. (278,114)
9. tree/ or grass pollen/ (16,418)
10. or/8–9 (284,179)
11. 7 and 10 (5386)
12. desensitization immunologic/ (13,113)
13. allergen/ (31,586)
14. (desensiti\* or hyposensiti\*).ti,ab. (25,828)
15. immunotherapy/ (38,113)
16. (immunotherap\* or immunomodulatory or immune therapy or immunologic response\* or allergen\* or antigen\*).ti,ab. (552,975)
17. (graxax or pollinex or alutard).ti,ab. (191)
18. or/12–17 (604,305)
19. 4 or 11 (36,735)
20. 18 and 19 (12,139)
21. exp animal/ not human/ (1,254,356)
22. 20 not 21 (12,046)
23. limit 22 to "treatment (2 or more terms min difference)" (1982)

**Source: Cumulative Index to Nursing and Allied Health Literature (EBSCOhost) 1982–2011**

S1

(MH "Rhinitis, Allergic, Seasonal")

S2

TX rhinoconjunctivitis or TX "rhino conjunctivitis"

S3

TX "hay fever" or TX hayfever or TX pollinosis or TX pollenosis or TX sar or TX par or TX "pollen allergen\*" or TX "season\*allergic"

S4  
S1 or S2 or S3

S5

(MH "Rhinitis")

S6  
TX Rhinitis

S7  
S5 or S6

S8  
TX intermittent\* or TX season\* or TX spring or TX summer or TX pollen\* or TX grass\* or TX birch or TX ragweed or TX tree\* or TX weed\* or TX mugwort or TX willow

S9  
TX alder or TX poaceae

S10  
S8 or S9

S11  
S7 and S10

S12  
(MH "Desensitization, Immunologic")

S13  
(MH "Allergens")

S14  
TX desensiti\* or hyposensiti\*

S15  
(MH "Immunotherapy")

S16  
TX immunotherap\* or TX immunomodulatory or TX "immune therapy" or TX "immunologic response\*" or TX allergen\* or TX antigen\*

S17  
TX grazax or TX pollinex or TX alutard

S18  
s12 or s13 or s14 or s15 or s16 or s17

S19  
s4 or s11

S20  
s18 and s19 View Results (455)

S21  
s18 and s19

Limiters - Clinical Queries: Therapy - Best Balance; Human

View Results (93)

**Source: Science Citation Index (Web of Knowledge) 1900–2011**

#1  
12,037  
TS="seasonal allergic rhinitis

#2  
1757  
TS=rhinoconjunctivitis

#3  
95  
TS="rhino conjunctivitis"

#4  
21,338  
TS=(hayfever or pollinosis or pollenosis or sar)

#5  
7479  
TS=("hay fever" or "pollen allergen\*" or "season\* allergic")

#6  
29,405  
#5 OR #4 OR #3 OR #2 OR #1

#7  
17,492  
TS=rhinitis

#8  
>100,000  
TS=(intermittent\* or season\* or spring or summer or pollen\* or grass\* or birch or ragweed or tree\* or weed\* or mugwort or willow or alder or poaceae)

#9  
4902  
#8 AND #7

#10  
>100,000  
TS=(allergen\* or desensiti\* or hyposensiti\* or immunotherap\* or immunomodulatory or antigen\* or grazax or pollinex or alutard)

#11  
774  
TS="immune therapy"

#12  
1640  
TS="immunologic response\*\*"

#13  
>100,000  
#12 OR #11 OR #10

#14  
31,306  
#9 OR #6

#15  
6212  
#14 AND #13

#16  
>100,000  
TS=(trial OR random\* OR control\* OR placebo)

#17  
2068  
#15 AND #16

## Economic evaluations

### Source: *The Cochrane Library (NHS Economic Evaluation Database)*

Refer to The Cochrane Library effectiveness search strategy above.

### Source: *Ovid MEDLINE(R) 1948 to week 2 April 2011*

1. Rhinitis, Allergic, Seasonal/ (11,107)
2. (rhinoconjunctivitis or rhino conjunctivitis).ti,ab. (1334)
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9. Trees/ or Poaceae/ (23,581)
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13. allergens/ (28,104)
14. (desensiti\* or hyposensiti\*).ti,ab. (22,895)
15. immunotherapy/ (25,148)

16. (immunotherap\* or immunomodulatory or immune therapy or immunologic response\* or allergen\* or antigen\*).ti,ab. (509,932)
17. (graxax or pollinex or alutard).ti,ab. (101)
18. or/12–17 (552,055)
19. 4 or 11 (23,106)
20. 18 and 19 (7716)
21. exp animals/ not humans/ (3,565,261)
22. 20 not 21 (7358)
23. economics/ (25,995)
24. exp "costs and cost analysis"/ (155,450)
25. cost of illness/ (13,777)
26. exp health care costs/ (37,323)
27. economic value of life/ (5134)
28. exp economics medical/ (13,145)
29. exp economics hospital/ (17,088)
30. economics pharmaceutical/ (2221)
31. exp "fees and charges"/ (25,111)
32. (econom\$ or cost or costs or costly or costing or price or pricing or pharmacoeconomic\$).tw. (338,786)
33. (expenditure\$ not energy).tw. (14,033)
34. (value adj1 money).tw. (18)
35. budget\$.tw. (14,277)
36. or/23–35 (462,608)
37. 22 and 36 (164)

**Source: EMBASE (Ovid) 1980–2011 week 15**

1. exp allergic rhinitis/ (22,724)
2. (rhinoconjunctivitis or rhino conjunctivitis).ti,ab. (2038)
3. (hay fever or hayfever or pollinosis or pollenosis or SAR or pollen allergen\* or season\* allergic).ti,ab. (16,538)
4. or/1–3 (35,766)
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9. tree/ or grass pollen/ (16,418)
10. or/8–9 (284,179)
11. 7 and 10 (5386)
12. desensitization immunologic/ (13,113)
13. allergen/ (31,586)
14. (desensiti\* or hyposensiti\*).ti,ab. (25,828)
15. immunotherapy/ (38,113)
16. (immunotherap\* or immunomodulatory or immune therapy or immunologic response\* or allergen\* or antigen\*).ti,ab. (552,975)
17. (graxax or pollinex or alutard).ti,ab. (191)
18. or/12–17 (604,305)
19. 4 or 11 (36,735)
20. 18 and 19 (12,139)
21. exp animal/ not human/ (1,254,356)
22. 20 not 21 (12,046)
23. cost benefit analysis/ (55,170)
24. cost effectiveness analysis/ (71,637)

25. cost minimization analysis/ (1826)
26. cost utility analysis/ (3413)
27. economic evaluation/ (6090)
28. (cost or costs or costed or costly or costing).tw. (300,972)
29. (economic\$ or pharmaco-economic\$ or price\$ or pricing).tw. (157,655)
30. (technology adj assessment\$).tw. (3043)
31. or/23–30 (466,067)
32. 22 and 31 (375)

## Quality of life

### **Source: Ovid MEDLINE(R) 1948 to week 5 June 2011**

1. Rhinitis, Allergic, Seasonal/ (11,285)
2. (rhinoconjunctivitis or rhino conjunctivitis).ti,ab. (1375)
3. (hay fever or hayfever or pollinosis or pollenosis or SAR or pollen allergen\* or season\* allergic).ti,ab. (14,414)
4. or/1–3 (22,665)
5. Rhinitis/ (7326)
6. rhinitis.ti,ab. (16,122)
7. or/5–6 (20,398)
8. (intermittent\* or season\* or spring or summer or pollen\* or grass\* or birch or ragweed or tree\* or weed\* or mugwort or willow or alder).ti,ab. (228,206)
9. Trees/ or Poaceae/ (24,071)
10. 8 or 9 (239,962)
11. 7 and 10 (3885)
12. 4 or 11 (23,747)
13. quality of life/ (92,016)
14. life style/ (35,811)
15. health status/ (48,471)
16. health status indicators/ (16,723)
17. value of life/ (5167)
18. quality adjusted life.mp. (6813)
19. or/13–18 (183,446)
20. 12 and 19 (472)