

Asthma Living Guideline Search Narrative - Non-Pharmacological Management

February 2006

Searches were carried out on the key questions.

7. Is there any evidence that for patients with asthma avoidance of contact with animals reduces disease severity? *{To specifically include cats, dogs, horses, house dust mites, rodents.}*
8. Is there any evidence that immunisation affects the prevalence of asthma? *{To include BCG, whooping cough, and measles vaccination.}*
9. What evidence is there that allergen immunotherapy is effective in reducing the severity of asthma?
10. What evidence is there that complementary therapies can reduce asthma severity? *{To include acupuncture, homeopathy, hypnosis, herbal medicines, breathing control / physical therapies / hyperventilation, yoga, cognitive behavioural therapy.}*
11. What is the evidence that avoidance or reduction of exposure to environmental pollutants in the home / in the workplace / in the outdoor environment reduce asthma severity?
12. Does change of environment affect the prevalence of asthma? *{To includes changes in height; switch between rural and urban environments; and housing conditions – particularly ventilation and dampness, speleotherapy.}*
13. What evidence is there that maternal smoking has an effect on asthma in children?
14. What evidence is there that exposure of children to cigarette smoke affects their susceptibility to asthma?
15. What evidence is there that smoking influences either the incidence or severity of asthma in children or adults?
16. What evidence is there that smoking cessation affects asthma severity?
17. Does dietary modification affect the prevalence of asthma? *{To pay particular attention to antioxidants, selenium, and lipids.}*
18. Does breast feeding affect the prevalence of asthma (both ante and post-natal)?
19. In patients with asthma what is the evidence that weight management / control of obesity can affect disease severity?
20. What evidence is there of a relationship between gastro-oesophageal reflux disease and the onset of / severity of asthma?

Searches were carried out in February 2006, for date range 2003-2005.
Databases searched: Medline, Embase, CINAHL.

Medline strategy:

- 1 exp asthma/ (28988)
- 2 asthma\$.tw. (33811)
- 3 1 or 2 (37762)
- 4 exp cats/ (17212)
- 5 exp dogs/ (43525)
- 6 exp horses/ (12556)

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7 exp mites/ (3254)
 8 dust mite\$.tw. (1909)
 9 exp rodentia/ (653199)
 10 exp animals, domestic/ (4014)
 11 (house\$ adj pet\$.tw. (60)
 12 or/4-11 (720948)
 13 exp Desensitization, Immunologic/ (1415)
 14 allergen immunotherapy.tw. (235)
 15 immuni?ation.tw. (21575)
 16 exp Immunization/ (32031)
 17 exp Mycobacterium bovis/ (1892)
 18 bcg.tw. (3662)
 19 exp pertussis/ (1153)
 20 exp bcg vaccine/ (2636)
 21 whooping cough.tw. (315)
 22 pertussis.tw. (7360)
 23 exp measles vaccine/ (1927)
 24 exp measles/ (2263)
 25 or/13-23 (56197)
 26 exp complementary therapies/ (46645)
 27 ((alternative or complementary) and therap\$.tw. (21116)
 28 ((alternative or complementary) and medicine).tw. (4618)
 29 exp acupuncture therapy/ (3193)
 30 exp acupuncture/ (331)
 31 acupuncture.tw. (2836)
 32 exp homeopathy/ (1232)
 33 homeopath\$.tw. (1163)
 34 exp "Mind-Body and Relaxation Techniques"/ (8511)
 35 exp breathing exercises/ (535)
 36 (breath\$ adj3 control\$.tw. (787)
 37 hyperventilat\$.tw. (1706)
 38 exp hypnosis/ (1407)
 39 (hypnosis or hypnotherap\$.tw. (1222)
 40 exp yoga/ (272)
 41 yoga.tw. (286)
 42 exp medicine, herbal/ (487)
 43 Medicine, Chinese traditional/ (2053)
 44 herbal.tw. (5159)
 45 exp cognitive therapy/ (4508)
 46 cognitive behavio?r therapy\$.tw. (574)
 47 CBT.tw. (1049)
 48 or/26-47 (76638)
 49 exp air pollution/ (16032)
 50 exp environmental pollution/ (90678)
 51 pollut\$.tw. (16646)
 52 exp housing/ (6324)
 53 exp environment/ (204308)
 54 exp ventilation/ (1107)
 55 exp humidity/ (2588)
 56 damp\$.tw. (3465)
 57 or/49-56 (274497)
 58 exp smoking/ (31833)
 59 smok\$.tw. (51766)
 60 exp smoking cessation/ (7053)
 61 exp tobacco smoke pollution/ (3136)
 62 ((cessation or quit\$ or stop\$) adj3 smok\$.tw. (6547)
 63 or/58-62 (61700)

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64 exp obesity/ (31757)
 65 (obese or obesity).tw. (36753)
 66 exp weight reduction/ (8423)
 67 weight management.tw. (487)
 68 exp diet/ (39124)
 69 exp feeding behavior/ (20761)
 70 dietary modification.tw. (337)
 71 exp antioxidant/ (101227)
 72 exp selenium/ (3531)
 73 antioxidant.tw. (26819)
 74 selenium.tw. (4956)
 75 exp lipids/ (217366)
 76 lipid\$.tw. (88589)
 77 or/64-76 (413229)
 78 exp breast feeding/ (6689)
 79 (breast?feeding or breast feeding).tw. (6060)
 80 78 or 79 (8574)
 81 exp gastroesophageal reflux/ (7148)
 82 ((gastroesophageal or gastro-esophageal) and reflux).tw. (4860)
 83 81 or 82 (8267)
 84 or/12,25,48,58,63,77,80,83 (1170739)
 85 3 and 84 (11884)

Search results:

Total hits:	Pre-sifted result:	Sifted result:
RCT: 1607		
Obs: 1343		