

# Asthma Living Guideline Search Narrative - Pregnancy

7 March 2003

Searches were carried out by SIGN. The strategies are included below.

## ***Searches were carried out on the key questions.***

1. Does asthma behave differently in patients when pregnant?
2. Is the management of asthma in pregnancy different from that of the routine management in non-pregnant individuals?
3. Are the drugs used to treat asthma harmful to the mother or fetus? Should any of them be used with caution, not at all or used as normal?
4. Should asthma be monitored more carefully/differently in pregnancy when compared with other adult situations?
5. What precautions/arrangements should be made before and during labour & delivery for women with asthma?
6. In the patient with severe asthma which deteriorates in pregnancy what is the best way to manage and monitor the condition?
7. Are there any special arrangements required to manage labour, the delivery and postnatal period?
8. Does asthma have any adverse consequences for the outcome of pregnancy?
9. Are the drugs used to treat maternal asthma harmful to the infant during breastfeeding?

## **Ovid multifile search:**

**MEDLINE: 1966 to February Week 3 2003**

**EMBASE: 1980 to 2003 Week 9**

**CINAHL: 1982 to February Week 4 2003**

1. exp asthma/ use mesz (60876)
2. asthma.tw. use mesz (51486)
3. 1 or 2 (70437)
4. exp pregnancy/ use mesz (469600)
5. pregnan\$2.tw. use mesz (174631)
6. exp fetus/ use mesz (76741)
7. exp perinatology/ use mesz (1282)
8. exp perinatal care/ use mesz (711)
9. exp postnatal care/ use mesz (1999)
10. exp labor/ use mesz (23131)
11. (labour or labor).tw. use mesz (36480)
12. (childbirth or child birth).tw. use mesz (4543)
13. exp delivery/ use mesz (37316)
14. exp fetal development/ use mesz (66899)
15. exp pregnancy complications/ use mesz (197142)
16. exp pregnancy outcome/ use mesz (15365)
17. exp prenatal care/ use mesz (11275)
18. fet\$2.tw. use mesz (131796)
19. foet\$2.tw. use mesz (11056)
20. or/4-19 (601627)
21. 3 and 20 (1296)
22. exp asthma/ use emez (56340)

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23. asthma.tw. use emez (43340)
24. 22 or 23 (62129)
25. exp pregnancy/ use emez (130116)
26. pregnan\$2.tw. use emez (123742)
27. exp fetus/ use emez (83813)
28. fet\$2.tw. use emez (102753)
29. foet\$2.tw. use emez (6883)
30. exp perinatology/ use emez (512)
31. exp perinatal care/ use emez (10133)
32. exp postnatal care/ use emez (14053)
33. exp labor/ use emez (6997)
34. (labour or labor).tw. use emez (23224)
35. (childbirth or child birth).tw. use emez (2245)
36. exp delivery/ use emez (27243)
37. exp fetus development/ use emez (8195)
38. exp pregnancy complication/ use emez (16704)
39. exp prenatal care/ use emez (35296)
40. or/25-39 (303444)
41. 24 and 40 (1074)
42. exp asthma/ use nursing (5227)
43. asthma.tw. use nursing (4488)
44. 42 or 42 (5227)
45. exp pregnancy/ use nursing (28213)
46. pregnan\$2.tw. use nursing (10353)
47. exp fetus/ use nursing (4833)
48. perinatology.tw. use nursing (35)
49. exp perinatal care/ use nursing (592)
50. exp "postpartal care (IOWA NIC)"/ use nursing (2)
51. exp labor/ use nursing (2148)
52. (labour or labor).tw. use nursing (4533)
53. (childbirth or child birth).tw. use nursing (2138)
54. exp childbirth/ use nursing (3315)
55. exp delivery/ use nursing (1585)
56. exp fetal development/ use nursing (1340)
57. exp pregnancy complications/ use nursing (7887)
58. exp pregnancy outcomes/ use nursing (2301)
59. exp prenatal care/ use nursing (2744)
60. (fet\$2 or foet\$2).tw. use nursing (3104)
61. or/45-60 (35474)
62. 44 and 61 (153)
63. exp asthma/ use mesz (60876)
64. asthma.tw. use mesz (51486)
65. 63 or 64 (70437)
66. exp puberty/ use mesz (9945)
67. sex\$ matur\$.tw. use mesz (4433)
68. exp sex maturation/ use mesz (6885)
69. or/66-68 (18779)
70. 65 and 69 (44)
71. exp asthma/ use emez (56340)
72. asthma.tw. use emez (43340)
73. 71 or 72 (62129)
74. exp sexual development/ use emez (13550)
75. sex\$ matur\$.tw. use emez (2863)
76. 74 or 75 (15000)
77. 73 and 76 (79)
78. exp asthma/ use mesz (60876)
79. asthma.tw. use mesz (51486)

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80. 78 or 79 (70437)
81. breast feeding/ use mesz (14844)
82. breast feeding.tw. use mesz (6395)
83. breastfeeding.tw. use mesz (3695)
84. or/81-83 (17242)
85. 80 and 84 (236)
86. exp asthma/ use emez (56340)
87. asthma.tw. use emez (43340)
88. 86 or 87 (62129)
89. breast feeding/ use emez (8165)
90. breastfeeding.tw. use emez (1955)
91. breast feeding/ use emez (8165)
92. or/89-91 (8499)
93. 88 and 92 (162)
94. Randomized Controlled Trials/ use mesz (26708)
95. randomized controlled trial.pt. use mesz (170050)
96. Random Allocation/ use mesz (47268)
97. Double-Blind Method/ use mesz (71952)
98. Single-Blind Method/ use mesz (6985)
99. clinical trial.pt. use mesz (348669)
100. exp Clinical Trials/ use mesz (140842)
101. or/94-100 (440436)
102. (clinic\$ adj trial\$1).tw. use mesz (67962)
103. ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw. use mesz (68641)
104. PLACEBOS/ use mesz (22275)
105. placebo\$.tw. use mesz (76086)
106. randomly allocated.tw. use mesz (6951)
107. (allocated adj2 random).tw. use mesz (598)
108. or/102-107 (176727)
109. 101 or 108 (484356)
110. case report.tw. use mesz (91216)
111. letter.pt. use mesz (492555)
112. historical article.pt. use mesz (200530)
113. review of reported cases.pt. use mesz (46367)
114. review, multicase.pt. use mesz (7236)
115. or/110-114 (822334)
116. 109 not 115 (468054)
117. Clinical Trial/ use emez (254783)
118. Randomized Controlled Trial/ use emez (72245)
119. exp RANDOMIZATION/ use emez (5640)
120. Single Blind Procedure/ use emez (4054)
121. Double Blind Procedure/ use emez (46826)
122. Crossover Procedure/ use emez (13321)
123. PLACEBO/ use emez (61918)
124. randomi?ed controlled trial\$.tw. use emez (11213)
125. rct.tw. use emez (732)
126. random allocation.tw. use emez (440)
127. randomly allocated.tw. use emez (6542)
128. allocated randomly.tw. use emez (1067)
129. (allocated adj2 random).tw. use emez (542)
130. single blind\$.tw. use emez (4977)
131. double blind\$.tw. use emez (60122)
132. ((treble or triple) adj blind\$).tw. use emez (81)
133. placebo\$.tw. use emez (73078)
134. Prospective Study/ use emez (27898)
135. or/117-134 (364320)
136. Case Study/ use emez (3008)

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137. case report.tw. use emez (75023)
138. abstract report/ use emez or letter/ use emez (319944)
139. or/136-138 (396930)
140. 135 not 139 (351819)
141. exp Clinical Trials/ use nursing (16994)
142. clinical trial.pt. use nursing (7401)
143. (clinic\$ adj trial\$1).tw. use nursing (4173)
144. ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$3 or mask\$3)).tw. use nursing (2414)
145. randomi?ed control\$ trial\$.tw. use nursing (3201)
146. Random Assignment/ use nursing (5512)
147. random\$ allocat\$.tw. use nursing (537)
148. placebo\$.tw. use nursing (3361)
149. placebos/ use nursing (1716)
150. quantitative studies/ use nursing (1410)
151. allocat\$ random\$.tw. use nursing (37)
152. or/141-151 (24905)
153. Epidemiologic studies/ use mesz (1560)
154. exp case control studies/ use mesz (222534)
155. exp cohort studies/ use mesz (447931)
156. Case control.tw. use mesz (23379)
157. (cohort adj (study or studies)).tw. use mesz (15262)
158. Cohort analy\$.tw. use mesz (1098)
159. (Follow up adj (study or studies)).tw. use mesz (20615)
160. (observational adj (study or studies)).tw. use mesz (6375)
161. Longitudinal.tw. use mesz (50303)
162. Retrospective.tw. use mesz (85574)
163. Cross sectional.tw. use mesz (39893)
164. Cross-sectional studies/ use mesz (45272)
165. or/153-164 (740126)
166. Clinical study/ use emez (8631)
167. Case control study/ use emez (7834)
168. Family study/ use emez (5253)
169. Longitudinal study/ use emez (6742)
170. Retrospective study/ use emez (33521)
171. Prospective study/ use emez (27898)
172. Randomized controlled trials/ use emez (72245)
173. 171 not 172 (24630)
174. Cohort analysis/ use emez (13632)
175. (Cohort adj (study or studies)).tw. use emez (14205)
176. (Case control adj (study or studies)).tw. use emez (18043)
177. (follow up adj (study or studies)).tw. use emez (16250)
178. (observational adj (study or studies)).tw. use emez (6047)
179. (epidemiologic\$ adj (study or studies)).tw. use emez (21544)
180. (cross sectional adj (study or studies)).tw. use emez (10482)
181. or/166-170,173-180 (161538)
182. 21 and 116 (69)
183. 41 and 140 (101)
184. 62 and 152 (5)
185. 70 and (116 or 165) (15)
186. 77 and (140 or 181) (28)
187. 85 and (116 or 165) (111)
188. 93 and (140 or 181) (41)
189. or/182-188 (360)
190. limit 189 to yr= 2001-2004 (134)
191. remove duplicates from 190 (112)

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