

72 Acute Asthma in Adults



REFERENCES

1. Mannino DM, Homa DM, Akinbami LJ, et al: Surveillance for asthma—United States, 1980–1999. *MMWR Surveill Summ* 51: 1, 2002.
2. Cydulka RK, McFadden ER Jr, Emerman CL, et al: Patterns of hospitalization in elderly patients with asthma and chronic obstructive pulmonary disease. *Am J Respir Crit Care Med* 156: 1807, 1997.
3. Weiss KB, Gergen PJ, Hodgson TA: An economic evaluation of asthma in the United States. *N Engl J Med* 326: 862, 1992.
4. Martinez FD: Gene-environment interactions in asthma and allergies: a new paradigm to understand disease causation. *Immunol Allergy Clin North Am* 25: 709, 2005.
5. Holgate ST, Polosa R: The mechanisms, diagnosis, and management of severe asthma in adults. *Lancet* 368: 780, 2006.
6. Polosa R, Holgate ST: Adenosine receptors as promising therapeutic targets for drug development in chronic airway inflammation. *Curr Drug Targets* 7: 699, 2006.
7. Martinez FD: Inhaled corticosteroids and asthma prevention. *Lancet* 368: 708, 2006.
8. Busse WW, Lemanske RF Jr: Asthma. *N Engl J Med* 344: 350, 2001.
9. Stevenson DD, Szczeklik A: Clinical and pathologic perspectives on aspirin sensitivity and asthma. *J Allergy Clin Immunol* 118: 773, 2006.
10. Busse WW, Gern JE: Viruses in asthma. *J Allergy Clin Immunol* 100: 147, 1997.
11. Cydulka RK: Asthma in pregnancy. *Immunol Allergy Clin North Am* 26: 103, 2006.
12. National Asthma Education and Prevention Program, Expert Panel Report 3: Guidelines for the Diagnosis and Management of Asthma. Publication No. 08-4051. Bethesda, MD, National Institutes of Health, 2007. Available at: <http://www.nhlbi.nih.gov/guidelines/asthma/asthgdln.pdf>.
13. Martin TG, Elenbaas RM, Pingeton SH: Use of peak expiratory flow rates to eliminate unnecessary arterial blood gases in acute asthma. *Ann Emerg Med* 11: 70, 1982.
14. Boulet LP, Becker A, Bérabé D, et al: The Canadian Asthma Consensus Group. Canadian asthma consensus report, 1999. *CMAJ* 161: S1, 1999.
15. The BTS/SIGN 2004 update of the British guideline on the management of asthma (updated 2004). Available at: <http://www.brit-thoracic.org.uk/ClinicalInformation/Asthma/AsthmaGuidelines/tabid/83/Default.aspx>. Accessed February 24, 2010.
16. Global strategy for asthma management and prevention (updated 2009): Global Initiative for Asthma (GINA). Available at: <http://www.ginasthma.com/Guidelineitem.asp?l1=2&l2=1&intId=1561>. Accessed February 25, 2010.
17. Cates CJ, Crilly JA, Rowe BH: Holding chambers (spacers) versus nebulizers for beta-agonist treatment of acute asthma. *Cochrane Database Syst Rev* 2: CD000052, 2006.
18. Camargo C Jr, Spooner CH, Rowe BH: Continuous versus intermittent beta-agonists in the treatment of acute asthma. *Cochrane Database Syst Rev* 4: CD001115, 2003.
19. Travers A: Intravenous beta2-agonists for acute asthma in the emergency department. *Cochrane Database Syst Rev* 1: CD0029882, 2001.
20. Nelson HS: The Salmeterol Multicenter Asthma Research Trial: a comparison of usual pharmacotherapy for asthma or usual pharmacotherapy plus salmeterol. *Chest* 129: 15, 2006.
21. Rowe BH, Spooner C, Ducharme FM, et al: Early emergency department treatment of acute asthma with systemic corticosteroids. *Cochrane Database Syst Rev* 1: CD002178, 2001.
22. Emerman CL, Cydulka RK: A randomized comparison of 100-milligrams vs 500-milligrams dose of methylprednisolone in the treatment of acute asthma. *Chest* 107: 1559, 1995.
23. Rowe BH, Spooner CH, Ducharme FM, et al: Corticosteroids for preventing relapse following acute exacerbations of asthma. *Cochrane Database Syst Rev* 1: CD000195, 2001.
24. Lahn M, Bijur P, Gallagher EJ: Randomized clinical trial of intramuscular vs oral methylprednisolone in the treatment of asthma exacerbations following discharge from an emergency department. *Chest* 126: 362, 2004.
25. Rowe BH: Inhaled budesonide in addition to oral corticosteroids to prevent asthma relapse following discharge from the emergency department. A randomized controlled trial. *JAMA* 281: 2119, 1999.
26. Cydulka RK, Tamayo-Sarver JH, Wolf C, et al: Inadequate follow-up controller medications among patients with asthma who visit the emergency department. *Ann Emerg Med* 46: 316, 2005.
27. Rodrigo GJ, Castro-Rodriguez JA: Anticholinergics in the treatment of children and adults with acute asthma: a systematic review with meta-analysis. *Thorax* 60: 740, 2005.
28. Rowe BH, Bretzlaaff JA, Bourdon C, et al: Magnesium sulfate for treating exacerbations of acute asthma in the emergency department. *Cochrane Database Syst Rev* 2: CD001490, 2000.
29. Blitz M, Blitz S, Hughes R, et al: Aerosolized magnesium sulfate for acute asthma: a systematic review. *Chest* 128: 337, 2005.
30. Ho AM, Lee A, Karmakar MK, et al: Heliox vs air-oxygen mixtures for the treatment of patients with acute asthma: a systematic overview. *Chest* 123: 882, 2003.
31. Parameswaran K, Beldj J, Rowe BH: Addition of intravenous aminophylline to beta2-agonists in adults with acute asthma. *Cochrane Database Syst Rev* 4: CD002742, 2000.
32. Camargo CA, Smithline HA, Malice MP, et al: A randomized controlled trial of intravenous montelukast in acute asthma. *Am J Respir Crit Care Med* 167: 528, 2003.
33. Ram FS, Wellington S, Rowe BH, et al: Non-invasive positive pressure ventilation for treatment of respiratory failure due to severe acute exacerbations of asthma. *Cochrane Database Syst Rev* 3: CD004360, 2005.
34. Kearney SE, Graham DR, Atherton ST: Acute severe asthma treated by mechanical ventilation: a comparison of the changing characteristics over a 17 year period. *Respir Med* 92: 716, 1998.
35. Mirenda J, Broyles G: Propofol as used for sedation in the ICU. *Chest* 108: 539, 1995.
36. Adnet F, Dhissi G, Borron SW, et al: Complication profiles of adult asthmatics requiring paralysis during mechanical ventilation. *Intensive Care Med* 27: 1729, 2001.
37. Hemmingsen C, Nielsen PK, Odorico J: Ketamine in the treatment of bronchospasm during mechanical ventilation. *Am J Emerg Med* 12: 417, 1994.
38. Cydulka RK, Emerman CL, Rowe BH, et al: Differences between men and women in reporting of symptoms during an asthma exacerbation. *Ann Emerg Med* 38: 123, 2001.
39. Rowe BH, Villa-Roel C, Sivilotti ML, et al: Relapse after emergency department discharge for acute asthma. *Acad Emerg Med* 15: 709, 2008.
40. National Asthma Education and Prevention Program: Working Group Report on Managing Asthma During Pregnancy: Recommendations for Pharmacologic Treatment. Update 2004. U.S. Department of Health and Human Services. National Institutes of Health. National Heart, Lung, and Blood Institute. NIH Publication No. 05-5236. March 2005. Available at: http://www.nhlbi.nih.gov/health/prof/lung/asthma/astpreg/astpreg_full.pdf.

USEFUL WEB RESOURCES

- National Asthma Education and Prevention Program, Expert Panel Report 3: Guidelines—<http://www.nhlbi.nih.gov/guidelines/asthma/asthgdln.pdf>
- American Lung Association—<http://www.lungusa.org>
- Global Initiative For Asthma—<http://www.ginasthma.org>
- National Asthma Education Program and Prevention Program. Working Group Report on Managing Asthma During Pregnancy—http://www.nhlbi.nih.gov/health/prof/lung/asthma/astpreg/astpreg_full.pdf
- British Thoracic Society, British Guidelines on the Management of Asthma—<http://www.brit-thoracic.org.uk/ClinicalInformation/Asthma/AsthmaGuidelines/tabid/83/Default.aspx>