



## Revisiones y recomendaciones GAIBE

### PROTOCOLO **GAIBE 01-fuentes de investigación**

Título: **Evidencias sobre el uso de Corticoides en el Asma Aguda**

Investigador principal: **Ignacio Carvajal Uruña**

documento aprobado por el grupo de discusión del GAIBE, en reunión del 1 de Abril del 2.000

**Tema de Investigación:**

**Evidencias sobre el Uso de Corticoides en el Asma Aguda**

**Investigador:**

Ignacio Carvajal Uruña

**Fuentes de Información**

**1. Documentos de Consenso**

1. National Asthma Education and Prevention Program. Expert Panel Report 2. Guidelines for the Diagnosis and Management of Asthma. National Heart, Lung and Blood Institute. NIH Publication No. 97-4051. July, 1997:105-121.
2. Boulet L-P, Becker A, Bérubé D, Beveridge R, Ernst P on behalf of the Canadian Asthma Consensus Group. Canadian asthma consensus report, 1999. CMAJ 1999;161(11 Suppl):1-62.
3. Grupo de Trabajo en Asma Infantil de la Sociedad Española de Neumología Pediátrica. Protocolo de tratamiento del asma infantil. An Esp Pediatr 1995; 43: 439-446.

**2. Artículos**

4. Rowe B, Keller JL, Oxman AD. Effectiveness of steroid therapy in acute exacerbations of asthma: a meta-analysis. Am J Emerg Med 1992;10:301-10.
5. Tal A, Levy N, Bearman JE. Methylprednisolone therapy for acute asthma in infants and toddlers: a controlled clinical trial. Pediatrics 1990; 86:350-6.
6. Scarfone RJ, Fuchs SM, Nager AL, Shane SA. Controlled trial of oral prednisone in the emergency department treatment of children with acute asthma. Pediatrics 1993;2:513-8.
7. Harris JB, Weinberger MM, Nassif E, Smith G, Milavetz G, Stillerman A. Early intervention with short courses of prednisone to prevent progression of asthma in ambulatory patients incompletely responsive to bronchodilators. J Pediatr 1987; 110: 627-33.
8. Grant CC, Duggan AK, DeAngelis C. Independent parental administration of prednisone in acute asthma: a double-blind, placebo-controlled, crossover study. Pediatrics 1995; 9:224-9.
9. O'Driscoll BR, Kalra S, Wilson M, Pickering CA, Carroll KB, Woodcock AA. Double-blind trial of steroid tapering in acute asthma. Lancet 1993; 341:324-7.
10. Jacqz-Aigrain E, Burtin P. [Corticosteroids: pharmacology and indications of short courses in pediatrics]. Arch Pediatr 1995; 2:353-64.
11. Wilson NM, Silverman M. Treatment of acute, episodic asthma in preschool children using intermittent high dose inhaled steroids at home. Arch Dis Child 1990; 65:407-10.
12. Connett G, Lenney W. Prevention of viral induced asthma attacks using inhaled budesonide. Arch Dis Child 1993; 68:85-7.
13. Svedmyr J, Nyberg E, Asbrink-Nilsson E, Hedlin G. Intermittent treatment with inhaled steroids for deterioration of asthma due to upper respiratory tract infections. Acta Paediatr 1995; 84:884-8.
14. Svedmyr J, Nyberg E, Thunqvist P, Asbrink-Nilsson E, Hedlin G. Prophylactic intermittent treatment with inhaled corticosteroids of asthma exacerbations due to airway infections in toddlers. Acta Paediatr 1999; 88:42-7

**3. Biblioteca Cochrane**

15. Rowe BH, Spooner CH, Ducharme FM, Bretzlaff JA, Bota GW. Corticosteroids for preventing relapse following acute exacerbations of asthma (Cochrane Review). In: The Cochrane Library, Issue 1, 1999. Oxford: Update Software.

16. Manser R, Reid D, Abramson M. Corticosteroids for acute severe asthma in hospitalised patients (Cochrane Review). In: The Cochrane Library, Issue 4, 1999. Oxford: Update Software.

**4. MedLine****Busqueda (1)**

Lugar: Grateful Med

Lengua: inglés

Fecha: 19/08/1999

Rango de búsqueda: 1996 - Fecha de búsqueda

Rango de edades: todas

Publicación: todas

**Tipo de Publicación:** Ensayo Clínico Controlado y Randomizado**Descripción de la búsqueda:**

[Asthma] .and. ([Acute] .or. [Agudization] .or. [Crisis] .or. [Exacerbation]) .and. ([Steroids] .or. [Corticosteroids])

**Resultado:** 44 ensayos clínicos obtenidos, 8 ensayos clínicos seleccionados para revisión:

17. Rowe BH, Bota GW, Fabris L, Therrien SA, Milner RA, Jacono J. Inhaled budesonide in addition to oral corticosteroids to prevent asthma relapse following discharge from the emergency department: a randomized controlled trial. JAMA 1999; 281:2119-26.

18. Becker JM, Arora A, Scarfone RJ, Spector ND, Fontana-Penn ME, Gracely E, Joffe MD, Goldsmith DP, Malatack JJ. Oral versus intravenous corticosteroids in children hospitalized with asthma. J Allergy Clin Immunol 1999; 103:586-90.

19. Hedlin G, Svedmyr J, Ryden AC. Systemic effects of a short course of betamethasone compared with high-dose inhaled budesonide in early childhood asthma. Acta Paediatr 1999; 88:48-51.

20. Volovitz B, Bentur L, Finkelstein Y, Mansour Y, Shalitin S, Nussinovitch M, Varsano I. Effectiveness and safety of inhaled corticosteroids in controlling acute asthma attacks in children who were treated in the emergency department: a controlled comparative study with oral prednisolone. J Allergy Clin Immunol 1998; 102:605-9.

21. Garrett J, Williams S, Wong C, Holdaway D. Treatment of acute asthmatic exacerbations with an increased dose of inhaled steroid. Arch Dis Child 1998; 79:12-7.

22. Langton Hewer S, Hobbs J, Reid F, Lenney W. Prednisolone in acute childhood asthma: clinical responses to three dosages. Respir Med 1998; 92:541-6.

23. Sung L, Osmond MH, Klassen TP. Randomized, controlled trial of inhaled budesonide as an adjunct to oral prednisone in acute asthma. Acad Emerg Med 1998; 5:209-13.

24. Barnett PL, Caputo GL, Baskin M, Kuppermann N. Intravenous versus oral corticosteroids in the management of acute asthma in children. Ann Emerg Med 1997; 29:212-7.

**Busqueda (2)**

Lugar: Grateful Med

Lengua: todas

Fecha: 19/03/2000

Rango de búsqueda: 1990-Fecha de búsqueda

Rango de edades: todas

Publicación: todas

**Tipo de Publicación:** todas**Descripción de la búsqueda:**

[Deflazacort] .and. [Asthma]

**Resultado:** 7 publicaciones obtenidas, 1 publicación seleccionada para revisión

25. Chapela R. Estudio comparativo de la eficacia de dos corticoides orales en el control de la crisis grave de asma bronquial: deflazacort y prednisona. Rev Alerg Mex 1995; 42:64-8.

### 5. Otras búsquedas

#### UptoDate

- 26. Szeffler SJ. Use of glucocorticoids in the treatment of asthma. UptoDate (CD Rom ed. 1999)
- 27. Furst DE, Saag KG, Orth DN. Glucocorticoid withdrawal regimens. UptoDate (CD Rom ed. 1999)

#### Metabuscadores de Medicina Basada en la Evidencia (11 de marzo de 2000)

- 28. Review: Corticosteroids reduce relapse rate, beta-agonist use, and hospitalisation rate in acute asthma exacerbation after initial assessment.
- 29. Treatment of acute asthma in children significance.
- 30. Evidence based clinical practice for managing an acute exacerbation of asthma.
- 31. Guidelines for the emergency management of asthma in adults.
- 32. Oral versus intravenous steroids for asthma.
- 33. Oral versus intravenous steroids for children hospitalized with asthma.
- 34. Intravenous steroids in acute severe asthma.