

Inhaled Medications and Hoarseness - Annotated Bibliography

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Bernstein IL, Chervinsky P, and Falliers CJ. "Efficacy and safety of triamcinolone acetonide aerosol in chronic asthma". CHEST 1982; 81:20-26.

An early article concerning the incidence of local side effects from inhaled corticosteroids in asthma.

Bryant DH and Pepys J. "Bronchial reactions to aerosol inhalant vehicle". BMJ 1976; 1:1319-1320.

Is cough related to the vehicle rather than the steroid?

Burge PS, Calverley PMA, Jones PW, et al. "Randomized, double blind, placebo controlled study of fluticasone propionate in patients with moderate to severe chronic obstructive pulmonary disease: the ISOLDE trial". BMJ 2000; 320:1297-1303.

This study includes information concerning local steroid side effects in a group of COPD patients where fluticasone treatment is compared with placebo.

Calverley PMA, Anderson JA, Celli B, et al. "Salmeterol and fluticasone propionate and survival in chronic obstructive pulmonary disease". NEJM 2007; 356:775-789.

A large multicenter study evaluation the use of inhaled fluticasone in patients with COPD. Local side effects from inhaled steroids are reported.

Craig T. "The safety profile of ciclesonide in the treatment of persistent asthma". Allergy and Asthma Proceedings 2009; 30:315-324.

A review of a novel inhaled corticosteroid with a low incidence of adverse effects.

Debus JC, Marguet C, Deschildre, et al. "Local side effects of inhaled corticosteroids in asthmatic children: influence of drug, dose, age, and device". Allergy 2001; 56:994-948.

Tongue hypertrophy and perioral dermatitis are discussed, as well as other complications.

Roland NJ, Bhalia RK, and Earis J. "The local side effects of inhaled corticosteroids". CHEST 2004; 126:213-219.

An excellent review of the local pharyngeal adverse effects related to inhaled corticosteroids, including pathophysiologic mechanisms and treatment.

Schwartz SR, Cohen SM, Dailey SH, et al. "Clinical Practice Guideline: Hoarseness (Dysphonia)"; Otolaryngology – Head and Neck Surgery 2009; 141:S1-31.

This is a recently published evidence-based guideline developed that addresses the problem of dysphonia within a broad clinical context.

Selroos O, Backman R, Forsen KO, et al. "Local side effects during 4-year treatment with inhaled corticosteroids: a comparison between pressurized metered-dose inhalers and Turbohaler". Allergy 1994; 49:888-890.

Avoidance of adverse effects by mouth rinsing is discussed. Also noteworthy for a comparison between pressurized metered dose inhalers and dry powder inhalers.

Shim C, and Williams MH. "Cough and wheezing from beclomethasone aerosol". CHEST 1987; 91:207-209.

This article examines the occurrence of cough in asthmatic patients receiving inhaled steroids.

Toogood JH, Jennings B, Greenway RW, et al. "Candidiasis and dysphonia complicating beclomethasone treatment of asthma". J Allergy Clin Immunol 1980; 65:145-153.

Information concerning increased frequency of dosing and side effect profiles.

Williams AJ, Baghat MS, Stableforth DE, et al. "Dysphonia caused by inhaled steroids: recognition of a characteristic laryngeal abnormality". Thorax 1983; 38:813-821.

This study examines laryngoscopically observed changes in vocal cord movement in patients receiving inhaled steroids.

Williamson IJ, Matusiewicz S, and Brown PH. "Frequency of voice problems and cough in patients using pressurized aerosol steroid preparations". Eur Respir J 1995; 8:590-592.

A robust controlled study examining the occurrence of local steroid side effects.