

CURRICULUM VITAE

Date Completed: June 7, 2011

NAME: Elizabeth Flora JUNIPER

EDUCATIONAL BACKGROUND

- a. Sherborne School for Girls, Dorset, England. 1958-1964
1964 - Oxford and Cambridge Certificate of Education
Advanced Level: Chemistry
Physics
Zoology
- b. St. Thomas' Hospital School of Physiotherapy, London, England. 1965-1968
1968 - Member of Chartered Society of Physiotherapists
- c. Ewell Technical College, Surrey, England. 1970-1972
1972 - Higher National Certificate in Medical Physics and Physiological Measurement
- d. McMaster University, Hamilton, Ontario, Canada. 1983-1988
1988 - Master of Science in Design, Measurement and Evaluation.
(Clinical Epidemiology and Biostatistics)

CURRENT STATUS AT MCMASTER UNIVERSITY, CANADA

Professor Emeritus, Department of Clinical Epidemiology and Biostatistics.

EMPLOYMENT HISTORY

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| 1969-73 | Technologist, Respiratory Unit, Royal Postgraduate Medical School, Hammersmith Hospital, London, England. |
| 1973-76 | Research Assistant, Cardio-Respiratory Unit, McMaster University Medical Centre, Hamilton, Ontario. |
| 1976-85 | Research Associate, Chest and Allergy Unit, St. Joseph's Hospital, McMaster University, Ontario. |
| 1985-88 | Lecturer, Department of Medicine, Chest and Allergy Unit, St. Joseph's Hospital, McMaster University, Ontario. |
| 1988-90 | Lecturer, Department of Clinical Epidemiology and Biostatistics, McMaster University Medical Centre, McMaster University, Ontario. |
| 1990-93 | Assistant Professor, Department of Clinical Epidemiology and Biostatistics, McMaster University, Ontario. |
| 1993-8 | Associate Clinical Professor, Department of Clinical Epidemiology and Biostatistics, McMaster University, Ontario. |
| 1998-2000 | Professor, Department of Clinical Epidemiology and Biostatistics, McMaster University, Ontario. |
| 2000- | Professor Emeritus, Department of Clinical Epidemiology and Biostatistics, McMaster University, Ontario. |

SCHOLARLY AND PROFESSIONAL ACTIVITIES

1) Publication

Journal Referee:-

Journal of Allergy and Clinical Immunology
American Review of Respiratory Disease
(renamed Am J Resp Crit Care Med)
Am Rev Respir Dis - State of Art
Clinical and Experimental Allergy
JAMA
New England Journal of Medicine
American College of Physicians Journal Club
Pediatric Pulmonology
European Respiratory Journal
Chest
Thorax
Insights in Allergy
Quality of Life Research
Allergy
Pharmacoeconomics
Respiratory Medicine
Annals of Allergy
Journal of Asthma
Pediatrics
Journal of Pediatrics
American Journal of Managed Care
Journal of Clinical Epidemiology
Canadian Respiratory Journal

2) Committees:-

McMaster University

1984-5 Graduate Education Committee, Department of Clinical Epidemiology and Biostatistics
1984-5 Health Sciences Graduate Student Council
1984-5 Faculty of Health Sciences Committee on Graduate Curriculum and Policy.
1990-3 Co-chair. Critical Appraisal Resource Group.
1993-5 Chair. Critical Appraisal Resource Group.
1995-9 Chair. How to Teach Evidence Based-Medicine Workshop

International

1993-4 International Consensus on Rhinitis Group
1993- Evidence Based Medicine Working Group
1994-9 American Thoracic Society. Behavioral Sciences Section Program Committee
1995-9 Editorial Board for Consensus Conference on Long-Term Implications of Chronic Rhinitis
1997-9 American Thoracic Society. Clinical Practice Committee

HONOURS

1972 Beecham Award for best student in HNC Medical Physics program
1980 Roxon Award for best technical paper. Canadian Society of Pulmonary and Cardiovascular Technologists.
1984 Roxon Award for best technical paper. Canadian Society of Pulmonary and Cardiovascular Technologists.
1985 Roxon Award for best technical paper. Canadian Society of Pulmonary and Cardiovascular

- Technologists.
- 1988 Canadian Society for Clinical Investigation - Student Award
- 1995 American Thoracic Society: Year in Review - Asthma. Publication: Juniper EF et al Quality of life in asthma clinical trials: salmeterol vs salbutamol. Am J Respir Crit Care Med 1995; 151: 66-70. Identified 1st in top 5 clinical publications (all journals).
- 1997 Robert J. Becker Lectureship. American Academy of Asthma, Allergy and Immunology. 1997. Therapeutic responses in asthma: measuring quality of life.

EDUCATION

(For more details, see Teaching Dossier)

EVIDENCE-BASED MEDICINE

- 1990 - 1993 Director of and tutor for the 'How to Teach Critical Appraisal' annual workshop (A one week workshop held annually at McMaster)
- 1994 - 1995 Director of and tutor for the 'How to Teach Evidence-Based Medicine' workshop (A one week workshop held annually at McMaster)
- 1990 - 1998 Editor of the Clinical Epidemiology Newsletter
- 1990 - 1998 Department of Clinical Epidemiology and Biostatistics coordinator for MD electives in Evidence-Based Medicine
- 1990 - 1998 Tutor for MD electives in Evidence-Based Medicine and Critical Appraisal

HEALTH RESEARCH METHODS GRADUATE PROGRAM

MSc Student Advisor
MSc Thesis Committee

Courses Taught

- MS702, Introduction to Biostatistics, Tutor 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991
- MS721, Fundamentals of Clinical Epidemiology, Tutor 1990, 1991, 1992 (Gp. Leader), 1993 (Group Leader)
- MS730, Introductions to Research Methods in Health Sciences, Tutor 1990, 1991, 1992 (Gp. Leader), 1994, 1995, 1996, 1997, 1998, 1999
- MS744, Measurement in Health Research, Co-tutor 1991, Tutor 1992, 1993, 1994, 1995 (Course Director), 1996 (Course Director), 1997 (Course Director), 1998 (Course Director), 1999 (Course Director)

MD UNDERGRADUATE PROGRAM

- M.D. program, Unit 2, Co-tutor 1987, 1988, Tutor 1989.
- Electives in critical appraisal 1991, 1992, 1993, 1994
- Electives in evidence-based medicine 1994, 1995, 1996

AWARD

- 1996 Nominated for the Jack Sibley Award for outstanding contribution to education in the Faculty of Health Sciences, McMaster University.

PUBLICATIONS

Books

1. Juniper EF, Cockcroft DW, Hargreave FE. Histamine and methacholine inhalation tests: tidal breathing method. Laboratory procedure and standardisation. 1991, AB Draco, Lund, Sweden.
2. Juniper EF, Cockcroft DW, Hargreave FE. Histamine and methacholine inhalation tests: tidal breathing method. Laboratory procedure and standardisation. 1994, AB Draco, Lund, Sweden (Second Edition)
3. Juniper EF, Fabbri LM, Boner A. Asthma e qualita di vita. 1999, Il Pensiero Scientifico Editore, Roma, Italy.
4. Juniper EF, Lund VJ. Health-related quality of life issues in allergic rhinitis. 2001, UCB Institute of Allergy, Brussels, Belgium.

Book Chapters

1. Hargreave FE, Juniper EF, Ryan G, Dolovich M, Cartier A, Frith PA, Newhouse MT. Clinical significance of nonspecific airway hyperreactivity. In: Hargreave FE, ed, Airway Reactivity: mechanisms and clinical relevance. Mississauga: Astra Pharmaceuticals Canada Ltd, 1980; 216-222.
2. Hargreave FE, Frith PA, Dolovich M, Cartier A, Ryan G, Juniper EF, Dolovich J, Newhouse MT. Allergen-induced airway responses and relationships with non-specific reactivity. In: Hargreave FE, ed, Airway Reactivity: mechanisms and clinical relevance. Mississauga: Astra Pharmaceuticals Canada Ltd, 1980; 145-150.
3. Juniper EF, Kline PA, Vanzielegem MA, Hargreave FE. Long-term effects of an inhaled steroid (Budesonide) on airway responsiveness and clinical asthma severity: a double-blind randomised controlled trial. In: Hargreave FE, Hogg JC, Malo JL, Toogood JH. eds, Glucocorticoids and mechanisms of asthma. Excerpta Medica, Amsterdam, 1989; 157-61.
4. Juniper EF, Newhouse MT. Effect of pregnancy on asthma: a critical appraisal of the literature. In: Schatz M, Zeiger RS. eds. Asthma and allergy in pregnancy and early infancy. Marcel Dekker, New York, 1993; 223-249.
5. Juniper EF. Assessment of asthma control: quality of life. In: O'Byrne PM, Thomson N. eds. Manual of asthma management. W.B. Saunders, London, 1995; 176-184.
6. Juniper EF, Guyatt GH, Jaeschke R. How to develop and validate a new quality of life instrument. In: Spilker B. ed. Quality of Life and Pharmacoeconomics in Clinical Trials. Second Edition. Raven Press Ltd, New York, 1995, p 49-56.
7. Juniper EF, Guyatt GH. Asthma and allergy. In: Spilker B. ed. Quality of Life and Pharmacoeconomics in Clinical Trials. Second Edition. Raven Press, New York, 1995, p 977-82.
8. Juniper, EF. Assessment of health-related quality of life in asthma and rhinitis using disease-specific instruments. In: Chanez P, Bousquet J, Michel FB, Godard P. eds. From genetics to quality of life: the optimal treatment and management of asthma. Hogrefe and Huber, Seattle, 1996; p.209-214.
9. Juniper EF. Quality-of-life measures. In: Kotses H, Harver A. Self-management of asthma. Lung Biology in Health and Disease, vol 113. Marcel Dekker, Inc., New York, 1997; p. 91-115.
10. Juniper EF. Health-related quality of life. In: Barnes PJ, Grunstein MM, Leff A, Woolcock AJ.

eds. Asthma, Lippincott-Raven Publishers, Philadelphia, PA, USA. 1997; p. 1487-1497.

11. Juniper EF, Newhouse MT. Effect of pregnancy on asthma: a systematic review and meta-analysis. In: Schatz M, Zeiger RS, Claman HN. eds. Asthma and immunological diseases in pregnancy and early infancy. Lung Biology in Health and Disease, vol 110, Marcel Dekker Inc., New York, 1997; p.401-425.
12. Feeny D, Juniper EF, Ferrie PJ, Griffith LE, Guyatt GH. Why not just ask the kids? Health-related quality of life in children with asthma. In: Drotar D (ed). Assessing pediatric health-related quality of life and functional status: implications for research, practice and policy. Lawrence Erlbaum Associates Inc., Mahwah, New Jersey, 1998; p.171-186.
13. Guyatt GH, Juniper EF. Health status instruments, measurement properties of . In: Armitage P, Colton T (eds). Encyclopedia of Biostatistics. Wiley and Sons Ltd., Chichester 1998; p.1890-1895.
14. Juniper EF. Health-related quality of life in rhinitis. In: Mygind N, Naclerio RM, Durham S. Allergic and non-allergic rhinitis: clinical aspects. Lung Biology in Health and Disease. Marcel Dekker, New York, 1999; p. 135-146.
15. Juniper EF. Measuring health-related quality of life for persons with asthma: an overview. In Weiss K, Buist AS, Sullivan SD (eds). Socioeconomic impact of asthma. Lung Biology in Health and Disease. Marcel Dekker Inc. New York, 2000; p. 77-98.
16. Juniper EF. Assessment of asthma control: quality of life. In: O'Byrne PM, Thomson N. eds. Manual of asthma management. Second Edition. WB Saunders, London. 2001; p. 135-142.
17. Thompson AK, Juniper EF, Meltzer EO. Quality of life in patients with allergic rhinitis. In: Kaliner MA. ed. Current reviews of rhinitis. Current Medicine Inc., Philadelphia 2002; p.13-21.
18. Juniper EF. Quality of life. In: Gibson P ed. Monitoring Asthma. Taylor and Francis Group, Baton Rouge, FL, USA 2005; p. 19-40.
19. Juniper EF. Quality of life and treatment of asthma. In: Pauwels R, Advenier C, O'Byrne P. eds. 'Antiasthmatic drugs' in 'Progress in basic and clinical pharmacology' Karger, Basel, Switzerland, (in press).

PEER REVIEWED JOURNAL ARTICLES

1. Spiro SG, Juniper EF, Bowman P, Edwards RHT. An increasing work rate test for assessing the physiological strain of sub-maximal exercise. Clin Sci and Mol Med 1974; 46:191-206.
2. Rebeck AS, Juniper EF. Effect of resistive loading on ventilatory response to hypoxia. J Appl Physiol 1975; 38:965-968.
3. Juniper EF, Frith PA, Dunnett C, Cockcroft DW, Hargreave FE. Reproducibility and comparison of responses to inhaled histamine and methacholine. Thorax 1978; 33:705-710.
4. Cockcroft DW, Ruffin RE, Frith PA, Cartier A, Juniper EF, Dolovich J, Hargreave FE. Determinants of allergen-induced asthma: dose of allergen, circulating IgE antibody concentration, and bronchial responsiveness to inhaled histamine. Am Rev Respir Dis 1979; 120:1053-1058.
5. Juniper EF, Cartier A, Trebilcock AL, Frith PA, Dolovich J, Hargreave FE. Effects of oxatomide compared with chlorpheniramine in allergic rhinoconjunctivitis. Clin Allergy 1981; 11:61-66.
6. Frith PA, Ruffin RE, Juniper EF, Dolovich J, Hargreave FE. Inhibition of allergen-induced asthma by three forms of sodium cromoglycate. Clin Allergy 1981; 11:67-77.

7. Ryan G, Dolovich MB, Obminski G, Cockcroft DW, Juniper EF, Hargreave FE, Newhouse MT. Standardization of inhalation provocation tests: influence of nebulizer output, particle size and method of inhalation. *J Allergy Clin Immunol* 1981; 67:156-164.
8. Ryan G, Dolovich MB, Roberts RS, Frith PA, Juniper EF, Hargreave FE, Newhouse MT. Standardization of inhalation provocation tests: two techniques of aerosol generation and inhalation compared. *Am Rev Respir Dis* 1981; 123:195-199.
9. Juniper EF, Frith PA, Hargreave FE. Airway responsiveness to histamine and methacholine: relationship to minimum treatment to control symptoms of asthma. *Thorax* 1981; 36:575-579.
10. Hargreave FE, Ryan G, Thomson NC, O'Byrne PM, Latimer K, Juniper EF, Dolovich J. Bronchial responsiveness to histamine or methacholine in asthma: measurement and clinical significance. *J Allergy Clin Immunol* 1981; 68:347-355.
11. Juniper EF, Frith PA, Hargreave FE. Long term stability of airway responsiveness to histamine. *Thorax* 1982; 37:288-291.
12. Burdon JGW, Juniper EF, Killian KJ, Hargreave FE, Campbell EMJ. The perception of breathlessness in asthma. *Am Rev Respir Dis* 1982; 126:825-828.
13. Hargreave FE, Thomson NC, O'Byrne PM, Latimer K, Juniper EF. Bronchial responsiveness to histamine or methacholine in asthma; measurement and clinical significance. *Eur J Respir Dis* 1982; 63(121):79-88.
14. Juniper EF, Syty-Golda M, Hargreave FE. Histamine inhalation tests: inhalation of aerosol via a facemask versus a valve box with mouthpiece. *Thorax* 1984; 39:556-557.
15. Rosenfeld J, Juniper EF, Hargreave FE. Gas chromatographic determination of methylcholine chloride in pharmaceutical preparations. *J Chrom* 1984; 287:433-437.
16. Boulet L-P, Latimer KM, Roberts RS, Juniper EF, Cockcroft DW, Thomson NC, Daniel EE, Hargreave FE. The effect of atropine on allergen-induced increases in bronchial responsiveness to histamine. *Am Rev Respir Dis* 1984; 130:368-372.
17. Hargreave FE, Ramsdale EH, Sterk PJ, Juniper EF. Advances in the use of inhalation provocation tests in clinical evaluation. *Chest* 1985; 87:S32-S35.
18. Ryan G, Latimer KM, Juniper EF, Roberts RS, Hargreave FE. Effect of beclomethasone dipropionate on bronchial responsiveness to histamine in controlled nonsteroid-dependent asthma. *J Allergy Clin Immunol* 1985; 75:25-30.
19. Juniper EF, Roberts RS, Kennedy LK, O'Connor J, Syty-Golda M, Dolovich J, Hargreave FE. Polyethylene glycol-modified ragweed pollen extract in rhinoconjunctivitis. *J Allergy Clin Immunol* 1985; 75:578-585.
20. Juniper EF, Latimer KM, Morris MM, Roberts RS, Hargreave FE. Airway responses to hyperventilation of cold dry air: duration of protection by cromolyn sodium. *J Allergy Clin Immunol* 1986; 78:387-391.
21. Juniper EF, O'Connor J, Roberts RS, Evans S, Hargreave FE, Dolovich J. Polyethylene glycol modified ragweed extract: comparison of two treatment regimens. *J Allergy Clin Immunol* 1986; 78:851-856.
22. Kirby JG, Juniper EF, Hargreave FE, Zamel N. Total lung capacity does not change during methacholine stimulated airway narrowing. *J Appl Physiol* 1986; 61(6):2144-2147.
23. Juniper EF, Kline PA, Roberts RS, Hargreave FE, Daniel EE. Airway responsiveness to methacholine during the natural menstrual cycle and the effect of oral contraceptives. *Am*

Rev Respir Dis 1987; 135:1039-1042.

24. Vanzielegem MA, Juniper EF. A comparison of budesonide and beclomethasone dipropionate nasal aerosols in ragweed-induced rhinitis. *J Allergy Clin Immunol* 1987; 79:887-892.
25. Juniper EF, Kline PA, Morris MM, Hargreave FE. Airway constriction by isocapnic hyperventilation of cold dry air: comparison of magnitude and duration of protection by nedocromil sodium and sodium cromoglycate. *Clin Allergy* 1987, 17:523-528.
26. Juniper EF, White J, Dolovich J. Efficacy of continuous treatment with astemizole (Hismanal) and terfenadine (Seldane) in ragweed pollen-induced rhinoconjunctivitis. *J Allergy Clin Immunol* 1988; 82:670-675.
27. Juniper EF, Kline PA, Hargreave FE, Dolovich J. Comparison of beclomethasone dipropionate aqueous nasal spray, astemizole and the combination in the prophylactic treatment of ragweed pollen-induced rhinoconjunctivitis. *J Allergy Clin Immunol* 1989; 83:627-633.
28. Juniper EF, Daniel EE, Roberts RS, Kline PA, Hargreave FE, Newhouse MT. Improvement in airway responsiveness and asthma severity during pregnancy.. *Am Rev Respir Dis* 1989; 140: 924-31.
29. Israel E, Juniper EF, Callaghan JT, Mathur PN, Morris MM, Dowell AR, Enas GG, Hargreave FE, Drazen JM. Effect of a leukotriene antagonist, LY171883, on cold air-induced bronchoconstriction in asthmatics. *Am Rev Respir Dis* 1989; 140: 1348-1353.
30. Juniper EF, Kline PA, Ramsdale EH, Hargreave FE. Comparison of the efficacy and side effects of aqueous steroid nasal spray (budesonide) and allergen-injection therapy (Pollinex-R) in the treatment of seasonal allergic rhinoconjunctivitis. *J Allergy Clin Immunol* 1990; 85: 606-611.
31. Juniper EF, Kline PA, Vanzeileghem MA, Ramsdale EH, O'Byrne PM, Hargreave FE. Effect of long-term treatment with an inhaled corticosteroid (budesonide) on airway hyper-responsiveness and clinical asthma in nonsteroid-dependent asthmatics. *Am Rev Respir Dis* 1990; 142: 832-836.
32. Juniper EF, Guyatt GH, O'Byrne PM, Viveiros M. Aqueous beclomethasone dipropionate nasal spray: regular versus 'as required' use in the treatment of seasonal allergic rhinitis. *J Allergy Clin Immunol* 1990; 86: 380-386.
33. Juniper EF, Kline PA, Vanzeileghem MA, O'Byrne PM, Ramsdale EH, Hargreave FE. Long-term effects of budesonide on airway responsiveness and clinical asthma severity in inhaled-steroid-dependent asthmatics. *Eur Respir J* 1990; 3: 1122-1127.
34. Juniper EF, Kline PA, Vanzielegem MA, Hargreave FE. Reduction of budesonide after a year of increased use: a randomised controlled trial to evaluate whether improvements in airway responsiveness and clinical asthma are maintained. *J Allergy Clin Immunol* 1991; 87: 483-489.
35. Juniper EF, Guyatt GH. Development and testing of a new measure of health status for clinical trials in rhinoconjunctivitis. *Clin Exper Allergy* 1991; 21: 77-83.
36. Juniper EF, Daniel EE, Roberts RS, Kline PA, Hargreave FE, Newhouse MT. Effect of pregnancy on airway responsiveness and asthma severity. Relationship to serum progesterone. *Am Rev Respir Dis* 1991;143: S78.
37. Juniper EF, Guyatt GH, Epstein RS, Ferrie PJ, Jaeschke R, Hiller TK. Evaluation of impairment of health-related quality of life in asthma: development of a questionnaire for use in clinical trials. *Thorax* 1992; 47: 76-83.

38. Juniper EF, Willms DG, Guyatt GH, Ferrie PJ. Aqueous beclomethasone dipropionate nasal spray in the treatment of seasonal (ragweed) rhinitis. *Can Med Assoc J* 1992; 147: 887-892.
39. Sterk PJ, Fabbri LM, Quanjer PhH, Cockcroft DW, O'Byrne PM, Anderson SD, Juniper EF, Malo J-L. Airway responsiveness. In: Standardized lung function testing: Official Statement of the European Respiratory Society. *Europ Respir J* 1993; 6: 54-79.
40. Juniper EF, Guyatt GH, Andersson B, Ferrie PJ. Comparison of powder and aerosolized budesonide in perennial rhinitis: validation of rhinitis quality of life questionnaire. *Annals Allergy* 1993; 70: 225-230
41. Juniper EF, Guyatt GH, Ferrie PJ, Griffith LE. Measuring quality of life in asthma. *Am Rev Respir Dis* 1993; 147: 832-838.
42. Malo JL, Boulet LP, Dewitte JD, Cartier A, L'Archeveque J, Cote J, Bedard G, Boucher S, Champagne F, Tessier G, Contandriopoulos AP, Juniper EF, Guyatt GH. Quality of life of subjects with occupational asthma. *J Allergy Clin Immunol* 1993; 91: 1121-1127.
43. Cook DJ, Guyatt GH, Juniper EF, McIlroy W, Willan A, Jaeschke R, Epstein R. Interviewer versus self-administered questionnaires in developing a disease-specific, health-related quality of life instrument for asthma. *J Clin Epidemiol* 1993; 46: 529-534.
44. Juniper EF, Guyatt GH, Archer B, Ferrie PJ. Aqueous beclomethasone dipropionate in the treatment of ragweed pollen induced rhinitis: further exploration of prn use. *J Allergy Clin Immunol* 1993; 92: 66-72.
45. Cook DJ, Guyatt GH, Adachi JD, Clifton J, Griffith LE, Epstein RS, Juniper EF. Quality of life in women with vertebral fractures due to osteoporosis. *Arthritis Rheum* 1993; 36: 750-756.
46. Juniper EF, Guyatt GH, Willan A, Griffith LE. Determining a minimal important change in a disease-specific quality of life instrument. *J Clin Epidemiol* 1994; 47: 81-87.
47. Juniper EF, Guyatt GH, Dolovich J. Assessment of quality of life in adolescents with allergic rhinoconjunctivitis: development and testing of a questionnaire for clinical trials. *J Allergy Clin Immunol* 1994; 93: 413-423.
48. Juniper EF, Guyatt GH, Ferrie PJ, King DR. Sodium cromoglycate eye drops: regular versus 'as needed' use in the treatment of seasonal allergic conjunctivitis. *J Allergy Clin Immunol* 1994; 94: 36-43.
49. International Rhinitis Management Working Group. International consensus report on the diagnosis and management of rhinitis. *Allergy* 1994; S19: 5-34.
50. Juniper EF, Johnston PR, Borkhoff CM, Guyatt GH, Boulet LP, Haukioja A. Quality of life in asthma clinical trials: comparison of salmeterol and salbutamol. *Am J Respir Crit Care Med* 1995; 151: 66-70.
51. Juniper EF. Quality of life considerations in the treatment of asthma. *Pharmacoeconomics* 1995; 8: 123-128.
52. Sanjuas C, Alonso J, Sanchis J, Casan P, Broquetas JM, Ferrie PJ, Juniper EF, Anto JM. The quality of life questionnaire with asthma patients; the Spanish version of the Asthma Quality of Life Questionnaire. *Archivos de Bronconeumologia* 1995; 31: 219-226.
53. Juniper EF. Valutazione della qualita di vita nel paziente asmatico. *Rassegna di Patologia dell'Apparto Respiratorio* 1995; 10: 59-69.
54. Juniper EF, Guyatt GH, Feeny DH, Ferrie PJ, Griffith LE, Townsend M. Measuring quality of life in children with asthma. *Qual Life Res* 1996; 5: 35-46.

55. Juniper EF, Guyatt GH, Feeny DH, Ferrie PJ, Griffith LE, Townsend M. Measuring quality of life in the parents of children with asthma. *Qual Life Res* 1996; 5: 27-34.
56. Juniper EF, Ponte CD, Shapiro GG. Drug spotlight: the newer antihistamines. *Patient Care* 1996; vol30, #4: 34-48.
57. Juniper EF, Guyatt GH, Griffith LE, Ferrie PJ. Interpretation of rhinoconjunctivitis quality of life questionnaire data. *J Allergy Clin Immunol* 1996; 98: 843-845.
58. Harrison MB, Juniper EF, Mitchell-DiCenso A. Quality of life as an outcome measure in nursing research. May you have a long and healthy life. *Can J Nursing Res* 1996; 28: 49-68.
59. Guyatt GH, Juniper EF, Feeny DH, Griffith LE. Children and adult perceptions of childhood asthma. *Pediatrics* 1997; 99: 165-168.
60. Juniper EF. Measuring health-related quality of life in rhinitis. *J Allergy Clin Immunol* 1997; 99: S742-9.
61. Santanello NC, Barber BL, Reiss TF, Friedman BS, Juniper EF, Zhang J. Measurement characteristics of two asthma symptom diary scales for use in clinical trials. *Eur Respir J* 1997; 10: 646-651.
62. Juniper EF, Guyatt GH, Streiner DL, King DR. Clinical impact versus factor analysis for quality of life questionnaire construction. *J Clinical Epidemiology* 1997; 50: 233-238.
63. Juniper EF, Ferrie PJ, Guyatt GH, Griffith LE. First-line treatment for seasonal (ragweed) rhinoconjunctivitis: a randomized management trial comparing a nasal steroid and a nonsedating antihistamine. *Can Med Assoc J* 1997; 156: 1123-31.
64. Juniper EF. Assessing quality of life in adults and children with asthma and rhinitis. *Allergy Clin Immunol Internat* 1997; 9: 5-9.
65. Guyatt GH, Naylor CD, Juniper EF, Heyland DK, Jaeschke R, Cook DJ for the Evidence-Based Medicine Working group. Users' guides to the medical literature. XII How to use articles about health-related quality of life. *JAMA* 1997; 277: 1232-1237.
66. Juniper EF. Assessing health-related quality of life in asthma. *Can Respir J* 1997; 4: 145-151.
67. Juniper EF. How important is quality of life in pediatric asthma? *Pediatric Pulmonology* 1997; S15: 27-31.
68. Juniper EF. The value of quality of life in asthma. *Eur Respir Rev* 1997; 49: 333-337.
69. Juniper EF. Quality of life in adults and children with asthma and rhinitis. *Allergy* 1997; 52: 971-977.
70. Juniper EF. Rhinitis and quality of life. *Eur Respir Rev* 1997; 7: 300-302.
71. Juniper EF, Guyatt GH, Feeny DH, Griffith LE, Ferrie PJ. Minimum skills required by children to complete health-related quality of life instruments for asthma: comparison of measurement properties. *Eur Respir J* 1997; 10: 2285-2294.
72. Juniper EF. Evaluating quality of life in adults and children with asthma. *Clinical Asthma Reviews* 1997; 1: 161-171.
73. Juniper EF, Howland WC, Roberts NB, Thompson AK, King DR. Measuring quality of life in children with rhinoconjunctivitis. *J Allergy Clin Immunol* 1998; 101: 163-170.

74. Guyatt GH, Juniper EF, Walter SD, Griffith LE, Goldstein RS. Interpreting treatment effects in randomised trials. *Br Med J* 1998; 316: 690-693.
75. Juniper EF. Impact of upper respiratory allergic diseases on quality of life. *J Allergy Clin Immunol* 1998; 101: S386-391.
76. Heyland DK, Guyatt GH, Cook DJ, Meade M, Juniper EF, Cronin L, Gafni A. The frequency and methodological rigor of quality of life assessments in the critical care literature. *Crit Care Med* 1998; 26: 591-598.
77. Juniper EF. Quality of life questionnaires: does statistically significant = clinically important? (Editorial) *J Allergy Clin Immunol* 1998; 102: 16-17.
78. Juniper EF. Effect of asthma on quality of life. *Can Respir J* 1998; 5: 77-84A.
79. Juniper EF. Rhinitis management: the patient's perspective. *Clin Exper Allergy* 1998; 28: 34-38.
80. Juniper EF. Health-related quality of life in asthma. *Curr Opin Pulm Med* 1999; 5: 105-110.
81. Juniper EF, Buist AS, Cox FM, Ferrie PJ, King DR. Validation of a standardized version of the Asthma Quality of Life Questionnaire. *Chest* 1999; 115: 1265-1270.
82. Juniper EF, Guyatt GH, Cox FM, Ferrie PJ, King DR. Development and validation of the Mini Asthma Quality of Life Questionnaire. *Eur Respir J* 1999; 14: 32-38.
83. Juniper EF. Interpreting of quality of life data. *Quality of Life Newsletter* 1999; 23: 3.
84. Juniper EF, Thompson AK, Ferrie PJ, Roberts JN. Validation of a standardized version of the Rhinoconjunctivitis Quality of Life Questionnaire. *J Allergy Clin Immunol* 1999; 104: 364-9.
85. Juniper EF, O'Byrne PM, Guyatt GH, Ferrie PJ, King DR. Development and validation of a questionnaire to measure asthma control. *Eur Respir J* 1999; 14: 902-7.
86. Juniper EF, Svensson K, O'Byrne PM, Barnes PJ, Bauer C-A, Lofdahl C-GA, Postma DS, Pauwels RA, Tattersfield AE, Ullman A. Asthma quality of life during one year of treatment with budesonide with or without formoterol. *Eur Respir J* 1999; 14: 1038-43.
87. Juniper EF, Buist AS, the study group. Health-related quality of life in moderate asthma: 400µg hydrofluoroalkane- versus 800µg chlorofluorocarbon- beclomethasone dipropionate. *Chest* 1999; 116: 1297-1303.
88. Juniper EF, Thompson AK, Ferrie PJ, Roberts JN. Development and validation of the Mini Rhinoconjunctivitis Quality of Life Questionnaire. *Clin Exper Allergy* 2000; 30: 132-140.
89. van Cauwenberge P, Juniper EF, Star Study Investigating Group. Comparison of the efficacy, safety, and quality of life provided by fexofenadine hydrochloride 120mg, loratadine 10mg, and placebo administered once daily for the treatment of seasonal allergic rhinitis. *Clin Exper Allergy* 2000; 30: 891-899
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