EDITORIAL

Welcome to the 2005 Respiratory Review.
I would like to thank all those who have generated the material for the 2005 review and welcome the new reviewers who have joined the review team. I would also like to thank Lisa Kent for her help with the collation of this edition of the Respiratory Review. We now review a total of 32 journals. Thank you also to the reviewers who have stepped down this year for their previous hard work. The reviewers are listed as well as the journals each reviews. The review is structured according to the champion areas and subgrouped under key diseases/themes. Articles are often relevant to several sections but have been placed in one key section as designated by the journal editor.

Reviewers:
- Judy Bradley JBra
- Julie Brown JBo
- Jenny Burrows JBu
- Nicki Garner NG
- Sarah Hakes SH
- Oonagh Hewitt OH
- Amanda Horton AH
- Lisa Kent LK
- Clive Liles CL
- Fidelma Moran FM
- Beatrice Oberwalderner BO
- Leyla Osman LO
- Brenda O’Neill BON
- Jennifer Pryor JP
- Carolyn Roskell CR
- Amy Russell AR
- Jane Toms JT
- Pamela Vaughan PV
- Chris Woodward CW

Journals and Reviewers:
- American Journal of Respiratory Critical Care Medicine (AH)
- Anaesthesia (CL)
- Australian Journal of Physiotherapy (AH)
- British Journal of Anaesthesia (NG)
- British Medical Journal (SH)
- Chest (CW)
- Critical Care Medicine (JBro)
- Cochrane Database (LK)
- European Respiratory Journal (BON)
- Heart & Lung (JBro)
- Intensive and Critical Care Nursing (OH)
- International Journal of Therapy and Rehabilitation (CR)
- Intensive Care Medicine (LK)
- Journal of Advanced Nursing (JT)
- Journal of the Association of Charted Physiotherapists in Respiratory Care (CL)
- Journal Cardiopulmonary Rehabilitation (AR)
- Journal of Critical Care (AR)
- Journal of Thoracic and Cardiovascular Surgery (JBro)
- Lancet (LK)
- New Zealand Journal of Physiotherapy (JP)
- New England Journal of Medicine (JBu)
- Paediatric Respiratory Reviews (BO)
- Paediatric Pulmonology (BO)
- Physical Therapy (CL)
- Physical Therapy Reviews (BON)
- Physiotherapy (LO)
- Physiotherapy Canada (FM)
- Physiotherapy Research International (LK)
- Physiotherapy Theory and Practice (BON)
- Respiration (CL)
- Respiratory Medicine (PV)
- Thorax (PV)

Thank you again to all the reviewers.
Judy Bradley
Respiratory Review Secretary
June 2006
ACUTE BRONCHITIS
Chinese medicinal herbs for acute bronchitis.
The Cochrane Database of Systematic Reviews 2005, Issue 3. Art. No.: CD004560. DOI: 10.1002/14651858.CD004560.pub2

AGEING
Weeks D, Borrousch S, Bowen A, Hepler L, Osterfoss M, Sandau A, Slevin F.
de Bisschop C, Marty ML, Tessier JF, Barberger-Gateau P, Dartigues JF, Guénard H.
Expiratory flow limitation and obstruction in the elderly.
Guo YF, Herrmann F, Michel JP, Janssens JP.
Normal values for respiratory resistance using forced oscillation in subjects >65 years old.
Svartengren M, Falk R, Philipson K.
Long-term clearance from small airways decreases with age.

ACUTE LUNG INJURY
Martin GS, Moss M, Wheeler AP, Mealer M, Morris JA, Bernard GR.
A randomized, controlled trial of furosemide with or without albumin in hypoproteinemic patients with acute lung injury.
Acute respiratory distress syndrome: Underrecognition by clinicians and diagnostic accuracy of three clinical definitions.
High Frequency Oscillatory Ventilation for adult acute respiratory distress syndrome (19 articles).
Crit Care Med. 2005; March Supplement.
Comparison of prone positioning and high-frequency oscillatory ventilation in patients with acute respiratory distress syndrome.
Oczenski W, Hormann C, Keller C, Lorezl N, Kepka A, Schwarz S, Fitzgerald RD.
Recruitment maneuvers during prone positioning in patients with acute respiratory distress syndrome.
Toy P, Popovsky MA, Abraham E, Ambruso DR, Holness LG, Kopko PM, McFarland JG, Nathens AB, Silliman CC, Stroncek D.
Transfusion-related acute lung injury: Definition and review.

CARDIOVASCULAR ISSUES
Boutin-Foster C.
Getting to the heart of social support: A qualitative analysis of the types of instrumental support that are most helpful in motivating cardiac risk factor modification.
Crane PB.
Fatigue and physical activity in older women after myocardial infarction.
Kristofferzon ML, Löfmark R, Carlsson M.
Perceived coping, social support, and quality of life 1 month after myocardial infarction: A comparison between Swedish women and men.
Phillips L, Harrison T, Houck P.
Return to work and the person with heart failure.
Patient perception and provider assessment of severity of heart failure as predictors of hospitalization.


van den Berg-Emmons RJ, Bussmann JB, Bolk AH, Stam JH. Factors Associated With the Level of Movement-Related Everyday Activity and Quality of Life in People With Chronic Heart Failure. *Phys Ther.* 2005; 85(12).


Abelt S, Ritchie C, Smart N, Einerson J, Johnson M, Appleton G.
Evaluation of pedometer steps in patients with diastolic and systolic heart failure.  

Arena R, Guazzi M, Peberdy MA.
Characteristics of cardiopulmonary exercise testing in heart failure: comparing of American and European models.  

Kristofferzon M, Löfmark R, Carlsson M.
Coping, social support and quality of life over time after myocardial infarction.  

Kärner A, Tingström P, Abrandt-Dahlgren M, Bergdahl B.
Incentives for lifestyle changes in patients with coronary heart disease.  

**CARDIAC REHABILITATION**

Clark AM, Whelan HK, Barbour R, MacIntyre PD.
A realist study of the mechanisms of cardiac rehabilitation.  

Pâquet M, Bolduc N, Xhigmesse M, Vanasse A.
Re-engineering cardiac rehabilitation programmes: considering the patient’s point of view.  

Chan DSK, Chau JPC, Chang AM.
Acute coronary syndromes: cardiac rehabilitation programmes and quality of life.  

Improving uptake and adherence in cardiac rehabilitation: literature review.  

Fowler SJ, Singh SJ and Revill S.
Reproducibility and validity of the incremental shuttle walking test in patients following coronary artery bypass surgery.  

**CHEYNE-STOKES**

Sahlin C, Svanborg E, Stenlund H, Franklin KA.
Cheyne-Stokes respiration and supine dependency.  

Improvement in Cheyne-Stokes respiration following cardiac resynchronisation therapy.  

Nopmaneejumruslers C, Kaneko Y, Hajek V, Zivanovic V, Bradley D.
Cheyne-Stokes Respiration in Stroke.  

**DYSPNOEA**

Scano G, Stendardi L, Grazzini M.
Understanding dyspnoea by its language.  

MacDonald S, Yates J, Lance R, Giganti N, Chepurko D.
Are you asking the right admission questions when assessing dyspnoea?  
*Heart Lung.* 2005; 34(4): 260-269

Hochstetter JK, Lewis J and Soares-Smith L.
An investigation into the immediate impact of breathlessness management on the breathless patient: randomised control trial.  

**EXERCISE**

Stendardi L, Grazzini M, Gigliotti F, Lotti P, Scano G.
Dyspnea and leg effort during exercise.  

Gielen S, Walthier C, Schuler G, Hambrecht R.
Anti-inflammatory Effects of Physical Exercise: A new mechanism to explain the effects of cardiac rehabilitation?  

Tiukinhoy S.
Heart rate profile during exercise as a predictor of sudden death.  

Gasior L, Foster C, Palmer-McLean K, Doberstein S, Porcari JP.
Effects of music, percussion and metronome rhythms on exercise intensity.  

Shrawder BK, McConnell TR, Santamore W.
Pedometer associations with health markers in moderate to high risk patients.  

**HEALTH PROMOTION**

Hillsdon M, Foster C, Thorogood M.
Interventions for promoting physical activity.  

Jackson NW, Howes FS, Gupta S, Doyle JL, Waters E.
Interventions implemented through sporting organisations for increasing participation in sport.  

**HEART TRANSPLANT**

Evangelista LS, Dracup K, Moser DK, Westlake C, Erickson V, Hamilton MA, Fonarow GC.
Two-year follow-up of quality of life in patients referred for heart transplant.  
HOSPITAL AT HOME

Shepperd S, Illiffe S.

Hospital at home versus in-patient hospital care.

HYPERTONIC SALINE

de Meer G, Marks GB, de Jongste JC, Bruneckreef B.

Airway responsiveness to hypertonic saline: dose-response slope or PD15?

INFLUENZA

Fleming J.

Influenza pandemics and avian flu
BMJ. 2005; 331: 1066-1069.

LUNG CANCER/ ONCOLOGY

Lester JF, Coles B, Macbeth FR.

Prophylactic cranial irradiation for preventing brain metastases in patients undergoing radical treatment for non-small cell lung cancer.

Manser R, Wright G, Hart D, Byrnes G, Campbell DA.

Surgery for early stage non-small cell lung cancer.

PORT Meta-analysis Trialists Group.

Postoperative radiotherapy for non-small cell lung cancer.

Serra-Mitjans M, Belda-Sanchis J, Rami-Porta R.

Surgical sealant for preventing air leaks after pulmonary resections in patients with lung cancer.


Surgical resection of limited disease small cell lung cancer in the new era of platinum chemotherapy: Its time has come.


Cardiopulmonary Exercise Tests and Lung Cancer Surgical Outcome.

Mery C, Pappas A, Bueno R, Colson Y, Linden P, Sugarbaker D, Jaklitsch M.

Similar Long-term Survival of Elderly Patients With Non-small Cell Lung Cancer Treated With Lobectomy or Wedge Resection Within the Surveillance, Epidemiology, and End Results Database. Chest. 2005; 128: 237-245.

Kanashiki M, Sairenchi T, Saito Y, Ishikawa H, Sato H, Sekizawa K.


Belda J, Cavalcanti M, Ferrer M, Serra M, de la Bellacasa J, Canalis G, Torres A.


Fong KM, Yang IA, Zimmerman PV, Bowman RV.


Robinson BWS, Lake RA.

Advances in Malignant Mesothelioma.


Abnormalities in Nitric Oxide and Its Derivatives in Lung Cancer.

Alain C. Borczuk, Han K. Kim, Hilary A. Yegen, Richard A. Friedman, and Charles A. Powell.

Lung Adenocarcinoma Global Profiling Identifies Type II Transforming Growth Factor-β Receptor as a Repressor of Invasiveness.

Giovanna E. Carpagnano, Maria Pia Foschino-Barbaro, Giuseppina Malè, Onofrio Resta, Stefania Tommasi, Anita Mangia, Francesco Carpagnano, Gaetano Stca, Antonia Susca, Giuseppe Di Gioia, Mario De Lena, and Angelo Paradiso.

3p Microsatellite Alterations in Exhaled Breath Condensate from Patients with Non–Small Cell Lung Cancer.


Using Protein Microarray as a Diagnostic Assay for Non–Small Cell Lung Cancer.

Chen YQ, Shi HZ, Qin XJ, Mo WN, Liang XD, Huang ZX, Yang HB, Wu C.

CD4+CD25+ Regulatory T Lymphocytes in Malignant Pleural Effusion.


Proteomic Patterns of Preinvasive Bronchial Lesions.
Am J Respir Crit Care Med. 2005; 172(12): 1556-1562.

LUNG TRANSPLANT


MISCELLANEOUS


Mortality in Obstructive Sleep Apnea-Hypopnea Patients Treated With Positive Airway Pressure.

Mador M, Krauza M, Pervez A, Pierce D, Braun M.
Effect of Heated Humidification on Compliance and Quality of Life in Patients With Sleep Apnea Using Nasal Continuous Positive Airway Pressure.

Outcomes of Patients With Acute Respiratory Failure After Abdominal Surgery Treated With Noninvasive Positive Pressure Ventilation.

Nickol AH, Hart N, Hopkinson NS, Moxham J, Simonds A, Polkey MI.

Tuggey JM, Elliott MW.
Randomised crossover study of pressure and volume non-invasive ventilation in chest wall deformity.

Ward S, Chatwin M, Heather S, Simonds AK.
Randomised controlled trial of non-invasive ventilation (NIV) for nocturnal hypopnea in neuromuscular and chest wall disease patients with daytime normocapnia.

### OBESITY

Cheah MH, Kam PCA.
Obesity: basic science and medical aspects relevant to anaesthetists.
*Anaesthesia.* 2005; 60(10): 1009-1021.

El-Gamal H, Khayat A, Shikora S, Unterborn J.
Relationship of Dyspnea to Respiratory Drive and Pulmonary Function Tests in Obese Patients Before and After Weight Loss.

### OSTEOPOROSIS

Ionescu AA.
When should we suspect osteoporosis in patients with chronic airways disease?

Osteoporosis screening in people with airways disease.

Renno ACM, Granitto RN, Driusso P, Costa D and Oishi J.
Effects of an exercise program on respiratory function, posture and on quality of life in osteoporotic women: a pilot study.

### OXYGEN THERAPY

Young P.
Ambulatory and training oxygen: a review of the evidence and guidelines for prescription.

Rubenfeld GD, Caldwell E, Peabody E, Weaver J, Martin DP, Neff M, Stern EI, Hudson LD.
Incidence and Outcomes of Acute Lung Injury.

Continuous oxygen monitoring--a better way to prescribe long-term oxygen therapy.

### PAIN

Sloman R, Rosen G, Rom M, Shir Y.
Nurses’ assessment of pain in surgical patients.

### PALLIATIVE CARE

Grayling, AC.
“Right to die”.

Murray SA, Kendall M, Boyd K, Sheikh A.
Illness trajectories and palliative care.

Von Plessen C, Aslaksen A.
Improving the quality of palliative care for ambulatory patients with lung cancer.

Gomes B, Higginson IJ.
Factors influencing death at home in terminally ill patients with cancer: systematic review.
*BMJ.* 2006; 332: 515-521.

### PHYSIOLOGY

Graham RB, Nolasco M, Peterlin B, Garcia CK.
Nonsense Mutations in Folliculin Presenting as Isolated Familial Spontaneous Pneumothorax in Adults.

Requirement for Leukotriene B4 Receptor 1 in Allergen-induced Airway Hyperresponsiveness.

Moerloose CB, Pauwels RA, Joos GF.
Short-Term Cigarette Smoke Exposure Enhances Allergic Airway Inflammation in Mice.

An Increase in Bronchial Responsiveness Is Associated with Continuing orRestarting Smoking.


**PLEURAL EMPYEMA**


**PLEURAL EFFUSION**


**PNEUMOTHORAX**


**POSITIONING**


**POSTOPERATIVE CARE**


**PREOPERATIVE CARE**


**PULMONARY VASCULAR DISEASE**


Prostacyclin for pulmonary hypertension in adults.

Yasunobu Y, Oudiz R, Xing-Guo Sun, Hansen J, Wasserman K.
End-tidal PCO₂ Abnormality and Exercise Limitation in Patients With Primary Pulmonary Hypertension.

Wharton J, Strange JW, Möller GMO, Growcott EJ, Ren X, Franklyn AP, Phillips SC, Wilkins MR.
Anti-proliferative Effects of Phosphodiesterase Type 5 Inhibition in Human Pulmonary Artery Cells.

Spuentrup E, Katoh M, Wiethoff AJ, Parsons EC, Botnar RW, Mahnken AH, Günther RW, Buecker A.
Molecular Magnetic Resonance Imaging of Pulmonary Emboli with a Fibrin-specific Contrast Agent.

Hypoxia Impairs Systemic Endothelial Function in Individuals Prone to High-Altitude Pulmonary Edema.

Aujesky D, Obrosky DS, Stone RA, Auble TE, Perrier A, Cornuz J, Roy PM, Fine MJ.
Derivation and Validation of a Prognostic Model for Pulmonary Embolism.

Alvarez DF, King JA, Townsley ML.
Resistance to Store Depletion–induced Endothelial Injury in Rat Lung after Chronic Heart Failure.

A Long-Acting Prostacyclin Agonist with Thromboxane Inhibitory Activity for Pulmonary Hypertension.
Am J Respir Crit Care Med. 2005; 172(12): 1575-1580.

Henke-Gendo C, Mengel M, Hoeger MM, Alkharsah K, Schulz TF.
Absence of Kaposi’s Sarcoma–associated Herpesvirus in Patients with Pulmonary Arterial Hypertension.
Am J Respir Crit Care Med. 2005; 172(12): 1581-1585.

Gomberg-Maitland M, Tapson VF, Benza RL, McLaughlin VV, Krichman A, Wiltitz AC, Barst RJ.
Transition from Intravenous Epoprostenol to Intravenous Treprostinil in Pulmonary Hypertension.

Girgis RE, Champion HC, Diette GB, Johns RA, Permutt S, Sylvester JT.
Decreased Exhaled Nitric Oxide in Pulmonary Arterial Hypertension: Response to Bosentan Therapy.
Am J Respir Crit Care Med. 2005; 172(3): 352-357.

Inhaled Iloprost Reverses Vascular Remodeling in Chronic Experimental Pulmonary Hypertension.

PULMONARY INFECTIONS

Marrie T, LieLing Wu.
Factors Influencing In-hospital Mortality in Community-Acquired Pneumonia: A Prospective Study of Patients Not Initially Admitted to the ICU.

Guidelines for the Treatment of Community-acquired Pneumonia: Predictors of Adherence and Outcome.

Yende S, Tuomanen EI, Wunderink R, Kanayala A, Newman AB, Harris T, de Rekeneire N, Krichevsky SB.
Preinfection Systemic Inflammatory Markers and Risk of Hospitalization Due to Pneumonia.

Van Loon HJ, Vriens MR, Troelstra A, van der Werken C, Verhoef J, Bonten MM.
Antibiotic Rotation and Development of Gram-Negative Antibiotic Resistance.

Hydrocortisone Infusion for Severe Community-acquired Pneumonia.

American Thoracic Society Documents.
Guidelines for the Management of Adults with Hospital-acquired, Ventilator-associated, and Healthcare-associated Pneumonia.

PULMONARY REHABILITATION

Clini EM, Romagnoli M.
Inpatient pulmonary rehabilitation: does it make sense?

Norweg A, Whiteson J, Malgady R, Mola A, Rey M.
The Effectiveness of Different Combinations of Pulmonary Rehabilitation Program Components: A Randomized Controlled Trial.

Verrill D, Barton C, Beasley W, Lippard W.
The Effects of Short-term and Long-term Pulmonary Rehabilitation on Functional Capacity, Perceived Dyspnea, and Quality of Life.

Garrod R.
Pulmonary rehabilitation: An interdisciplinary approach.

Boxall A-M, Barclay L, Sayers A, Caplan G.
Managing Chronic Obstructive Pulmonary Disease in the Community: A randomised controlled trial of home based pulmonary rehabilitation for elderly housebound patients.
PULMONARY OEDEMA

Dehert C, Grünig E, Merelles D, von Lennep N, Bärtsch P.
Identification of individuals susceptible to high-altitude pulmonary oedema at low altitude.

QUESTIONNAIRES

Haave E, Hyland ME, Engvik H.
Physical and emotional aspects of self-reported health status: a two-factor model of the short-form Breathing Problems Questionnaire.

A randomised trial to evaluate the self-administered standardised chronic respiratory questionnaire.

RESPIRATORY INFECTIONS

Guppy MPB, Mickan SM, Del Mar CB.
Advising patients to increase fluid intake for treating acute respiratory infections.

RESPIRATORY MUSCLE TRAINING

Ross J.
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*JACPRC.* 2005; 37: 75-79.

Soliman MG, Higgins SE, El-Kabir DR, Davidson AC, Williams AJ, Howard RS.
Non-invasive assessment of respiratory muscle strength in patients with previous poliomyelitis.

SEPSIS

Albanese J, Leone M, Delmas A, Martin C.
Terlipressin or norepinephrine in hyperdynamic septic shock: A prospective, randomised study.

Bourgois A, Leone M, Delmas A, Garnier F, Albanese J, Martin C.
Increasing mean arterial pressure in patients with septic shock: Effects on oxygen variables and renal function.

SLEEP AND CONTROL OF VENTILATION

Mazza S, Pépin JL, Naegelé B, Plante J, Deschaux C, Lévy P.
Most obstructive sleep apnoea patients exhibit vigilance and attention deficits on an extended battery of tests.

Duong M, Jayaram L, Camfferman D, Catcheside P, Mykytyn I, McEvoy RD.
Use of heated humidification during nasal CPAP titration in obstructive sleep apnoea syndrome.
Polysomnography for Assessment of Sleep Apnea. Clinical Usefulness of Home Oximetry Compared with
Whitelaw WA, Brant RF, Flemons WW. Am J Respir Crit Care Med. 2005; 172(5): 606-612.

Reversibility of Airflow Obstruction by Hypoglossus Nerve Stimulation in Anesthetized Rabbits.


SMOKING ISSUES


Milne, J. **NHS smoking cessation services and smoking prevalence: observational study.** BMJ. 2005; 330: 760

Jamrozik, K. **Measurements by Spirometry:** Spirometry should be measured in the offices of general practitioners. Chronic Respir Dis. 2005; 2(2): 109-112.

Enright P. **Spirometry.** Spirometry should be measured in the offices of general practitioners. Chronic Respir Dis. 2005; 2(2): 109-112.

Sunyer J, Ulrik CS. **Level of FEV₁ as a predictor of all-cause and cardiovascular mortality: an effect beyond smoking and physical fitness?** Eur Respir J. 2005; 25(4): 587-588.


**SPIROMETRY**

Enright P. **Spirometry.** Spirometry should be measured in the offices of general practitioners. Chronic Respir Dis. 2005; 2(2): 109-112.

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**SPUTUM INDUCTION**


**SPUTUM CLEARANCE TECHNIQUES**


O’Connor C, Bridge P. **Can the Interrupter Technique be Used as an Outcome Measure for Sputum Clearance Techniques?** J ACPRC. 2005; 37: 57-61.

**SURGERY**


Dixon B, Santamaria J, Campbell D. Coagulation Activation and Organ Dysfunction Following Cardiac Surgery. 


Okubo K, Kurashashi Y. Foreign-body excretion through the bronchial stump after extra-pleural pneumonectomy. 

González MAP, Serrà GJ, Rodríguez NS, Suárez PR, Peñate GP, Gilart JF, Navarro PC. Long-term pulmonary function after thoracic sympathectomy. 

**TRACHEOSTOMY**

Freeman BD, Borecki IB, Coopersmith CM, Buchman TG. Relationship between tracheostomy timing and duration of mechanical ventilation in critically ill patients. 


**CHRONIC DISEASE**

**ASTHMA AND ALLERGY**

Rönmark E, Andersson C, Nyström L, Forsberg B, Järvholm B, Lundbäck B. Obesity increases the risk of incident asthma among adults. 

Barley EA, Jones PW. Analysis of the cues used by patients when making assessments of their asthma severity. 

Murphy VE, Gibson PG, Smith R, Clifton VL. Asthma during pregnancy: mechanisms & treatment implications. 

Adams NP, Bestall JC, Lasserson TJ, Jones PW, Cates C. Fluticasone versus placebo for chronic asthma in adults & children. 

Adams NP, Bestall JC, Jones PW, Lasserson TJ, Griffiths B, Cates C. Fluticasone at different doses for chronic asthma in adults and children. 

Adams N, Bestall JM, Lasserson TJ, Jones PW. Fluticasone versus beclomethasone or budesonide for chronic asthma in adults and children. 


Gibson PG, Powell H, Ducharme F. Long-acting beta2-agonists as an inhaled corticosteroid-sparing agent for chronic asthma in adults and children. 

Greenstone IR, Ni Chroinin MN, Masse V, Danish A, Magdalinos H, Zhang X, Ducharme FM. Combination of inhaled long-acting beta2-agonists and inhaled steroids versus higher dose of inhaled steroids in children and adults with persistent asthma. 

Hondras MA, Linde K, Jones AP. Manual therapy for asthma. 


Mitra A, Bassler D, Goodman K, Lasserson TJ, Ducharme FM. Intravenous aminophylline for acute severe asthma in children over two years receiving inhaled bronchodilators. 

Ni Chroinin M, Greenstone IR, Danish A, Magdalinos H, Masse V, Zhang X, Ducharme FM. Long-acting beta2-agonists versus placebo in addition to inhaled corticosteroids in children and adults with chronic asthma. 

Ram FSF, Cates CJ, Ducharme FM. Long-acting beta2-agonists versus anti-leukotrienes as add-on therapy to inhaled corticosteroids for chronic asthma. 

Ram FSF, Wellington SR, Rowe B, Wedzicha JA. Non-invasive positive pressure ventilation for treatment of respiratory failure due to severe acute exacerbations of asthma. 
Ram FSF, Robinson SM, Black PN, Picot J.
Physical training for asthma.

Richeldi L, Ferrara G, Fabbri LM, Lasserson TJ, Gibson PG.
Macrolides for chronic asthma.

Talbot TR, Hartert TV, Mitchell E, Halasa NB, Arbogast PG, Poehling KA, Schaffner W, Craig AS, Griffin MR.
Asthma as a Risk Factor for Invasive Pneumococcal Disease.

Daily versus As-needed Corticosteroids for Mild Persistent Asthma.

Smith AD, Cowan JO, Brassett KP, Herbison P, Taylor DR.
Use of Exhaled Nitric Oxide Measurement to Guide Treatment in Chronic Asthma.

Martinez FD.
Safety of Long-Acting beta-Agonists – An Urgent Need to Clear the Air.

Nakajima T, Nishimura Y, Nishiuma T, Kotani Y, Funada Y, Nakata H, Yokoyama M.
Characteristics of patients with chronic cough who developed classic asthma during the course of cough variant asthma: a longitudinal study.

Nott MR.
Helium-oxygen for asthma.

Rees J.
ABC of asthma: Prevalence
BMJ. 2005; 331: 443-445

Senthilvelan A, Lawson J, Rennie D, Dosman J.
Regular Use of Corticosteroids and Low Use of Short-Acting β₂-Agonists Can Reduce Asthma Hospitalization
Chest. 2005 127: 1242-1251

Yu-Fen Li, Langholz B, Salam M, Gilliland F.
Maternal and Grandmaternal Smoking Patterns Are Associated With Early Childhood Asthma
Chest. 2005 127: 1232-1241

Thomsen S, Ulrik C, Kvyk K, Larsen K, Skadhauge L, Steffensen I, Backer V.
The Incidence of Asthma in Young Adults
Chest. 2005 127: 1928-1934

Randomized Controlled Trial of Emergency Department Interventions To Improve Primary Care Follow-up for Patients With Acute Asthma
Chest. 2006 129: 257-265

Porsbjerg C, von Linstow M, Ulrik C, Nepper-Christensen S, Backer V.
Risk Factors for Onset of Asthma: A 12-Year Prospective Follow-up Study
Chest. 2006 129: 309-316

Boulet L, Lemière C, Archambault F, Carrier G, Descary M, and Deschesnes F.
Smoking and Asthma: Clinical and Radiologic Features, Lung Function, and Airway Inflammation
Chest. 2006 129: 661-668

Sears MR, Lotvall J.
Past, present and future-[beta]2-adrenoceptor agonists in asthma management.

Liccardi G, Gennaro D,Amato, Luciana D,Amato, Salzillo A, Piccolo A, De Napoli I, Dente B, Cazzol M.
The effect of pet ownership on the risk of allergic sensitisation and bronchial asthma.

Walters JAE, Wood-Baker R, Walters EH.

Currie GP, Daniel K.C, Lee DKC, Wilson AM.
Effects of dual therapy with corticosteroids plus long acting [beta]2-agonists in asthma.

Roche N, Morel H, Martel P, Godard P.
Clinical practice guidelines: Medical follow-up of patients with asthma--Adults and adolescents.

Heaney LG, Conway E, Kelly C, Gamble J.
Prevalence of psychiatric morbidity in a difficult asthma population: Relationship to asthma outcome.

Are psychiatric disorders associated with worse asthma control and quality of life in asthma patients?

Ulrik CS, von Linstow M-L, Nepper-Christensen S, Porsbjerg C, Backer V.
Chronic mucus hypersecretion: a marker of asthma in young adults?

Richardson G, Eick S, Jones R.
How is the indoor environment related to asthma?: literature review.

Reddel HK, Vincent SD, Civitico J.
The need for standardisation of peak flow charts.

Caress A-L, Beaver K, Luker K, Campbell M, Woodcock A.
Involvement in treatment decisions: what do adults with asthma want and what do they get? Results of a cross sectional survey.
Exhaled nitric oxide in the diagnosis of asthma: comparison with bronchial provocation tests.

Mandhane PJ, Greene JM, Cowan JO, Taylor DR, Sears MR.
Sex Differences in Factors Associated with Childhood- and Adolescent-Onset Wheeze

Polymorphisms in A Disintegrin and Metalloprotease 33 (ADAM33) Predict Impaired Early-Life Lung Function

Skorge TD, Eagan TML, Eide GE, Gulsvik A, Bakke PS.
The Adult Incidence of Asthma and Respiratory Symptoms by Passive Smoking In Utero or in Childhood

Weiss LA, Lester LA, Gern JE, Wolf RL, Parry R, Lemanske RF, Solway J, Ober C.
Variation in ITGB3 Is Associated with Asthma and Sensitization to Mold Allergen in Four Populations


Positional Identification of an Asthma Susceptibility Gene on Human Chromosome 2q33.
Am J Respir Crit Care Med. 2005; 172: 183-188.

Correlation of Systemic Superoxide Dismutase Deficiency to Airflow Obstruction in Asthma.

Fattouh R, Pouladi MA, Alvarez D, Johnson JR, Walker TD, Goncharova S, Inman MD, Jordana M.
House Dust Mite Facilitates Ovalbumin-specific Allergic Sensitization and Airway Inflammation

 Differential Desensitization of Homozygous Haplotypes of the beta2-Adrenergic Receptor in Lymphocytes

Arjomandi M, Witten A, Abbritti E, Reintjes K, Schmildin I, Zhai W, Solomon C, Balmes J.
Repeated Exposure to Ozone Increases Alveolar Macrophage Recruitment into Asthmatic Airways.

Grissell TV, Powell H, Shafren DR, Boyle MJ, Hensley MJ, Jones PD, Whitehead BF, Gibson PG.
Interleukin-10 Gene Expression in Acute Virus-induced Asthma.

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**EMPHYSEMA**


**ENVIRONMENTAL AND OCCUPATIONAL LUNG DISEASE**


**HIV/AIDS**


INTERSTITIAL LUNG DISEASE


POLIOMYELITIS


TUBERCULOSIS


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**LUNG FUNCTION**


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**NITRIC OXIDE THERAPY**


Inhaled Nitric Oxide for Premature Infants with Severe Respiratory Failure


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**Miscellaneous**


On behalf of the Paediatric Pleural Diseases Subcommittee of the BTS Standards of Care Committee.

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**Hypoxic respiratory failure in term newborns:**

clinical indicators for inhaled nitric oxide and extracorporeal membrane oxygenation therapy

NON-SPECIFIC COUGH


OBSTRUCTIVE SLEEP APNOEA


OXYGEN


RESPIRATORY DISTRESS


RESPIRATORY MUSCLES


SEPSIS