

Respiratory Review 2008

ACPRC

Welcome to the 2008 Respiratory Review.
I would like to take this opportunity to thank the reviewers for
their hard work, as without them there would be no review.

It is now bigger and better than before, with a total of 30 journals
that have been reviewed. I hope you find this edition useful and I
welcome any comments for next year's edition.

Ann Owen
Respiratory Review Editor

Journals and Reviewers

Ann Owen (AO)
Brenda O'Neil (BO'N)
Claire Bradley (CB)
Claire Hine (CH)
Clive Liles (CL)
Fidelma Moran (FM)
Jane Toms (JT)
Jennifer Pryor (JP)
Lizzie Flude (LF)
Lynn McDonnell (LMCD)
May Nel (MN)
Nicki Garner (NG)
Pamela Vaughan (PV)
Rachel Garrod (RG)
Robyn Stiger (RS)

American Journal of Critical Care (CB)
American Journal of Respiratory and Critical Care Medicine (LMCD)
Anaesthesia (CL)
Anaesthesia and Analgesia (RS)
Archives of Physical Medicine and Rehabilitation (BO'N)
Australian Journal of Physiotherapy (LF)
BMJ (LF)
British Journal of Anaesthesia (NG)
Chest (LF)
Cochrane (RG)
Critical Care Medicine (MN)
European Respiratory Journal (MN)
Heart and Lung (CH)
Intensive Care Medicine (RS)
Journal of ACPRC (AO)
Journal of Advanced Nursing (JT)
Journal of American Medical Association (LF)
Journal of Cardiopulmonary Rehabilitation (CH)
Journal of Critical Care (CB)
Lancet (RS)
New England Journal of Medicine (AO)
New Zealand Journal of Physiotherapy (JP)
Physical Therapy Reviews (BO'N)
Physiotherapy (CB)
Physiotherapy Canada (FM)
Physiotherapy Research International (RG)
Physiotherapy Theory and Practice (MN)
Respiration (CL)
Respiratory Medicine (PV)
Thorax (PV)

Acute Lung Injury and ARDS

Abroug F, Ouannes-Besbes L, Elatrous S, Brochard L

The effect of prone positioning in acute respiratory distress syndrome or acute lung injury: a meta-analysis. Areas of uncertainty and recommendations for research

Intensive Care Medicine 2008; 34(6): 1002-1011

Alsaghir AH, Martin CM

Effect of prone positioning in patients with acute respiratory distress syndrome: A meta-analysis

Critical Care Medicine 2008; 36(2): 603-609

Åström E, Uttman L, Niklason L, Aboab J, Brochard L, Jonson B

Pattern of inspiratory gas delivery affects CO₂ elimination in health and after acute lung injury

Intensive Care Medicine 2008; 34(2): 377-384

Calzia E, Radermacher P, Pelosi P

Preserved spontaneous breathing in acute lung injury: show me the money?

Intensive Care Medicine 2008; 34(3): 397-399

Checkley W, Brower R, Korpak A, Thompson B, for the Acute Respiratory Distress Syndrome Network Investigators.

Effects of a clinical trial on mechanical ventilation practices in patients with acute lung injury.

American Journal of Respiratory and Critical Care Medicine 2008;177(11): 1215-1222.

Cressoni M, Caironi P, Polli F et al.

Anatomical and functional intrapulmonary shunt in acute respiratory distress syndrome

Critical Care Medicine 2008; 36(3): 669-675

Demory D, Arnal J, Wysocki M, Donati S, Granier I, Corno G, Durand-Gasselín J

Recruitability of the lung estimated by the pressure volume curve hysteresis in ARDS patients

Intensive Care Medicine 2008; 34(11): 2019-2025

Dos Santos C

Advances in mechanisms of repair and remodelling in acute lung injury

Intensive Care Medicine 2008; 34(4): 619-630

Fan E, Wilcox E, Brower R, Stewart T, Mehta S, Lapinsky S, Meade M, Ferguson N.

Recruitment maneuvers for acute lung injury: A systematic review.

American Journal of Respiratory and Critical Care Medicine 2008;178(11): 1156-1163.

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Prone positioning in acute respiratory distress syndrome: a multicenter randomized clinical trial

Intensive Care Medicine 2008; 34(8): 1487-1491

Liu M

ARDS and knowledge translation

Intensive Care Medicine 2008; 34(4): 589-591

Lucangelo U et al

Prognostic Value of Different Dead Space Indices in Mechanically Ventilated Patients With Acute Lung Injury and ARDS

Chest January 2008 133(1): 62-71

Marini JJ, Gattinoni L

Propagation prevention: A complementary mechanism for "lung protective" ventilation in acute respiratory distress syndrome

Critical Care Medicine 2008; 36(12): 3252-3258

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Steroid treatment in ARDS: a critical appraisal of the ARDS network trial and the recent literature

Intensive Care Medicine 2008; 34(1): 61-69

Musch G, Bellani G, Vidal Melo M, Harris R, Winkler T, Schroeder T, Venegas J.

Relation between shunt, aeration and perfusion in experimental acute lung injury.

American Journal of Respiratory and Critical Care Medicine 2008;177(3):292-300.

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Corticosteroids in the prevention and treatment of acute respiratory distress syndrome (ARDS) in adults: meta-analysis

BMJ 2008; (336): 7651: 1006-1009

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Acute respiratory distress syndrome 40 years later: Time to revisit its definition

Critical Care Medicine 2008; 36(10): 2912-2921

Pohlman MC, McCallister KE, Schweickert WD et al.

Excessive tidal volume from breath stacking during lung-protective ventilation for acute lung injury

Critical Care Medicine 2008; 36(11): 3019-3023

Riva DR, Oliveira MBG, Rzezinski AF et al.

Recruitment maneuver in pulmonary and extrapulmonary experimental acute lung injury

Critical Care Medicine 2008; 36(6): 1900-1908

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FDG-PET in patients at risk for acute respiratory distress syndrome: a preliminary report

Intensive Care Medicine 2008; 34(12): 2273-2278

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Prone positioning for acute respiratory distress syndrome (ARDS): A review of the literature.

Journal of the Association of Chartered Physiotherapists in Respiratory Care 40: 11 - 17.

Airway Management

Chang LY, Wang K, Chao YF

Influence of Physical Restraint on Unplanned Extubation of Adult Intensive Care Patients: A Case-Control Study
American Journal of Critical Care 2008 17(5): 408-415.

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Characteristics Associated With Unplanned Extubations in a Surgical Intensive Care Unit
American Journal of Critical Care 2008 17(1): 45-51.

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Unanticipated difficult airway management in anaesthetised patients: a prospective study of the effect of mannequin training on management strategies and skill retention
Anaesthesia 2008; 63 (4): 364

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The difficult airway in adult critical care
Critical Care Medicine 2008; 36(7): 2163-2173

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Smart Bag vs. Standard bag in the temporary substitution of the mechanical ventilation
Intensive Care Medicine 2008; 34(2): 355-360

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Survey of Cuff Management Practices in Intensive Care Units in Australia and New Zealand
American Journal of Critical Care 2008 17(5): 428-435.

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Randomised crossover comparison of the Ambu® AuraOnce™ Laryngeal Mask with the LMA Classic™ laryngeal mask airway in paralysed anaesthetised patients
Anaesthesia 2008; 63 (1): 82

Asthma

Bateman E, Hurd S, Barnes P et al.
Global strategy for asthma management and prevention: GINA executive summary
European Respiratory Journal 2008; 31: 143-178

British Thoracic Society Scottish Intercollegiate Guidelines Network
British Guideline on the Management of Asthma
Thorax 2008; 63 (Supplement 4): iv1-iv121

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Daclizumab improves asthma control in patients with moderate to severe persistent asthma: A randomised, controlled trial.
American Journal of Respiratory and Critical Care Medicine 2008; 178(10): 1002-1008.

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A randomised controlled trial of the Buteyko technique as an adjunct to conventional management of asthma
Respiratory Medicine 2008; 102(5): 726-732

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Sputum Eosinophils and the Response of Exercise-Induced Bronchoconstriction to Corticosteroid in Asthma
Chest February 2008; 133(2):404-411

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Weight loss and asthma: a systematic review
Thorax 2008; 63: 671-676.

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The course of persistent airflow limitation in subjects with and without asthma
Respiratory Medicine 2008; 102(10): 1473-1482

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Cardiac studies reveal clues into asthma and decreased lung function.
JAMA: Journal of the American Medical Association, 2008; 300 (1): 32-32

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Targeting Airway Inflammation in Asthma
Chest April 2008; 133(4):989-998

Haughney J, Price D, Kaplan A, Chrystyn H, Horne R, May N, Moffat M, Versnel J, Shanahan E, Hillyer E, Tunsäter A, Bjermer L
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Respiratory Medicine 2008; 102(12): 1681-1693

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Montelukast as add-on therapy to inhaled corticosteroids in the treatment of mild to moderate asthma: a systematic review
Thorax 2008; 63: 453-462

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Portable Exhaled Nitric Oxide as a Screening Tool for Asthma in Young Adults During Pollen Season
Chest April 2008; 133(4):906-913

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Respiration 2008; 75: 158-162

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Obesity and Asthma
Chest August 2008; 134(2):317-323

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Chest May 2008; 133(5):1142-1148

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Nebulisers or spacers for the administration of bronchodilators to those with asthma attending emergency departments?
Respiratory Medicine 2008; 102(7): 993-998

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Effectiveness of omalizumab (Xolair®) in the first patients treated in real-life practice in France
Respiratory Medicine 2008; 102(1): 71-76

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Update in asthma 2007.
American Journal of Respiratory and Critical Care Medicine 2008; 177(10): 1068-1073.

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Can lay people deliver asthma self-management education as effectively as primary care based practice nurses?
Thorax 2008; 63: 778-783

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Respiratory Medicine 2008; 102(3): 359-366

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Budesonide/formoterol maintenance and reliever therapy: impact on airway inflammation in asthma
European Respiratory Journal 2008; 31: 982-989

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Thorax 2008; 63: 1018-1023

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European Respiratory Journal 2008; 31: 990-997

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Management of asthma based on exhaled nitric oxide in addition to guideline-based treatment for inner-city adolescents and young adults: a randomised controlled trial
The Lancet 2008; 372(9643): 1065-1072

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Is Airway Smooth Muscle the "Missing Link" Modulating Airway Inflammation in Asthma?
Chest January 2008; 133(1):236-242

Bronchiectasis

Alzeer AH et al,
Right and Left Ventricular Function and Pulmonary Artery Pressure in Patients With Bronchiectasis
Chest February 2008; 133(2):468-473

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Exacerbations in cystic fibrosis: 4 · Non-cystic fibrosis bronchiectasis
Thorax 2008; 63: 269-276

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Current Australian and New Zealand physiotherapy practice in the management of patients with bronchiectasis and chronic obstructive pulmonary disease
The New Zealand Journal of Physiotherapy 2008; 36(2): 49-58

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Improvement in health status following bronchopulmonary hygiene physical therapy in patients with bronchiectasis
Respiratory Medicine 2008; 102(8): 1140-1144

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Bronchiectasis
Chest October 2008; 134(4):815-823

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Physical and Transport Properties of Sputum From Children With Idiopathic Bronchiectasis
Chest December 2008; 134(6):1129-1134

Cardiac Rehabilitation

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Exercise based cardiac rehabilitation for very old patients (>=75 years): Focus on physical education
Journal of cardiopulmonary rehabilitation and prevention, 2008; 28 (3): 163-173

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Outpatients Cardiac rehabilitation attendance in England: Variability by region and clinical characteristics
Journal of cardiopulmonary rehabilitation and prevention, 2008; 28 (6): 386-391

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Upper-body progressive resistance training improves strength and household physical activity performance in women attending cardiac rehabilitation
Journal of cardiopulmonary rehabilitation and prevention, 2008; 28 (4): 238-245

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An evaluation of self report physical activity instruments used in studies involving cardiac patients.
Journal of cardiopulmonary rehabilitation and prevention, 2008; 28 (6): 358-369

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Physiotherapy 2008; 94 (4): 281-285

Cardiology

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Oxygenation and static compliance is improved immediately after early manual hyperinflation following myocardial revascularisation: a randomised controlled trial

Australian Journal of Physiotherapy 2008; 54 (3): 173

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Illness consequences after myocardial infarction: problems with physical functioning and return to work

Journal of Advanced Nursing, 2008 Dec; 64 (6): 587-94

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Biomarkers in Heart Failure

New England Journal of Medicine 358 (20): 2148-2159

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Home-based exercise increases exercise capacity but not quality of life in people with chronic heart failure: a systematic review

Australian Journal of Physiotherapy 2008; 54 (2): 87

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Exercise in patients with arterial hypertension

Journal of cardiopulmonary rehabilitation and prevention, 2008; 28 (1): 12-16

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The effect of long term (beta)-Adrenergic receptor blockade on the oxygen delivery and extraction relationship in patients with coronary artery disease.

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Drug-Eluting Stents vs. Coronary-Artery Bypass Grafting in Multivessel Coronary Disease

New England Journal of Medicine 358 (4): 331-341

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Predictors and Effect of Physical Symptom Status on Health-Related Quality of Life in Patients With Heart Failure

American Journal of Critical Care 2008 17(2): 124-132.

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JAMA: Journal of the American Medical Association, 2008; 300 (25): 2859-2866

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Journal of cardiopulmonary rehabilitation and prevention, 2008; 28 (2): 99-106

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A Citywide Protocol for Primary PCI in ST-Segment Elevation Myocardial Infarction

New England Journal of Medicine 358 (3): 231-240

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JAMA: Journal of the American Medical Association 2008; 300 (20): 2356-2357

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Journal of Advanced Nursing, 2008 Dec; 64 (5): 457-8

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JAMA: Journal of the American Medical Association 2008 (299) 21: 2533-2542

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Cardiac Troponin and Outcome in Acute Heart Failure

New England Journal of Medicine 358 (20): 2117-2126

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Continuous positive airway pressure vs. proportional assist ventilation for noninvasive ventilation in acute cardiogenic pulmonary edema

Intensive Care Medicine 2008; 34(5): 840-846

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Journal of Advanced Nursing, 2008 Feb; 61(3): 307-15

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New England Journal of Medicine 359 (7): 677-687

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The Lancet 2008; 371(9629): 1999-2012

Cardiothoracic Surgery

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Relationships between fatigue and early postoperative recovery outcomes over time in elderly patients undergoing coronary artery bypass graft surgery

Heart & Lung, 2008; 37 (4): 245-256

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Anesth Analg 2008; 107: 614-619

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Update in transplantation 2007.

American Journal of Respiratory and Critical Care Medicine 2008;177(10): 1062-1067.

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Prevalence and Risk Factors for Postoperative Delirium in a Cardiovascular Intensive Care Unit

American Journal of Critical Care 2008 17(6) 567-575

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Physiotherapy Research International 2008; 13 (2): 69-742

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Stair Climbing in the Functional Assessment of Lung Resection Candidates

Respiration 2008; 75: 374-379

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Postoperative pain and self-management: women's experiences after cardiac surgery.

Journal of Advanced Nursing, 2008 Sep; 63 (5): 476-85

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Aerosolized Salbutamol Accelerates the Resolution of Pulmonary Edema After Lung Resection

Chest April 2008; 133(4):845-852

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The risk of postoperative pulmonary or pleural complications after aortic valve replacement is low in elderly patients: an observational study

Australian Journal of Physiotherapy 2008; 54 (2): 119

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Prioritising Physiotherapy Services: The development and implementation of a post-operative screening tool.

Journal of the Association of Chartered Physiotherapists in Respiratory Care 40: 19-24.

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Physiotherapy interventions to prevent postoperative pulmonary complications following lung resection. What is the evidence? What is the practice?

The New Zealand Journal of Physiotherapy 2008; 36(3): 118-130

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Symptom Severity 1 to 4 Months After Thoracotomy for Lung Cancer

American Journal of Critical Care 2008 17(5): 455-467.

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Course of Illness after the Onset of Chronic Rejection in Lung Transplant Recipients
American Journal of Critical Care 2008 17(3): 246-253.

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American Journal of Respiratory and Critical Care Medicine 2008; 177(10): 1156-1163.

Continuing Professional Development

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Self assessment: the disconnect between research and rhetoric.
Physiotherapy Canada 2008; 60 (2): 117-124

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Physiotherapy Canada 2008; 60 (1): 80-91.

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Characteristics and processes of physiotherapy clinical decision making: a study of acute care cardiorespiratory physiotherapy
Physiotherapy Research International 2008; 13 (4): 209-222

COPD

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Counting, analysing and reporting exacerbations of COPD in randomised controlled trials
Thorax 2008; 63: 122-128

Agusti A
Chronic Obstructive Pulmonary Disease: Beyond the Forced Expiratory Manoeuvre
Respiration 2008; 75:136-137

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Predictive value of lung function below the normal range and respiratory symptoms for progression of chronic obstructive pulmonary disease
Thorax 2008; 63: 201-207

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European Respiratory Journal 2008; 31: 1114-1124

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Chest December 2008 134 (6):1278-1286

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Prevalence, severity and underdiagnosis of COPD in the primary care setting

Thorax 2008; 63: 402-407

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Changes in elastic fibres in the small airways and alveoli in COPD

European Respiratory Journal 2008; 31: 998-1004

Borghesi-Silva A, Oliveira C, Carrascosa C, Maia J, Berton D, Queiroga F, Jr, Ferreira E, Almeida D, Nery L, Neder J

Respiratory muscle unloading improves leg muscle oxygenation during exercise in patients with COPD

Thorax 2008; 63: 910-915

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Patient adherence in COPD

Thorax 2008; 63: 831-838

Bridevaux P-O, Gerbase M, Probst-Hensch N, Schindler C, Gaspoz J-M, Rochat T

Long-term decline in lung function, utilisation of care and quality of life in modified GOLD stage 1 COPD

Thorax 2008; 63: 768-774

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The plasma ammonia response to cycle exercise in COPD

European Respiratory Journal 2008; 31: 751-758

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Chest October 2008; 134(4):746-752

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Update on the Management of COPD

Chest June 2008; 133(6):1451-1462

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Effect of pharmacotherapy on rate of decline of lung function in COPD : Results from the TORCH study.

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Self-management behaviours for patients with chronic obstructive pulmonary disease: a qualitative study

Journal of Advanced Nursing, 2008 Dec; 64 (6): 595-604

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Nonpharmacological treatment and relief of symptoms in COPD

European Respiratory Journal 2008; 32: 218-228

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Predictors of first-year survival in patients with advanced COPD treated using long-term oxygen therapy

Respiratory Medicine 2008; 102(4): 512-518

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American Journal of Respiratory and Critical Care Medicine 2008; 177(8): 844-852.

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Palliative and end-of-life care for patients with severe COPD
European Respiratory Journal 2008; 32: 796-803

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Similarity and differences in elderly patients with fixed airflow obstruction by asthma and by chronic obstructive pulmonary disease
Respiratory Medicine 2008; 102(2): 232-238

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Effects of One-Legged Exercise Training of Patients With COPD
Chest February 2008 133 (2):370-376

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Use of β blockers and the risk of death in hospitalised patients with acute exacerbations of COPD
Thorax 2008; 63: 301-305

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Exercise in severe COPD: Is walking different from stair-climbing?
Respiratory Medicine 2008; 102(6): 912-918

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Nocturnal non-invasive ventilation in addition to rehabilitation in hypercapnic patients with COPD
Thorax 2008; 63: 1052-1057

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Is Education useful in Chronic Obstructive Pulmonary Disease? A review of the literature.
Journal of the Association of Chartered Physiotherapists in Respiratory Care 40: 31-43.

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Journal of Advanced Nursing, 2008 May; 62 (4): 470-8

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Short-course antibiotic treatment in acute exacerbations of chronic bronchitis and COPD: a meta-analysis of double-blind studies
Thorax 2008; 63: 415-422

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Complex chronic comorbidities of COPD
European Respiratory Journal 2008; 31: 204-212

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