

**RESPIRATORY
REVIEW**

2005

ACPRC

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 Oberwaldner 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 (JBra)
Cochrane Database (LK)
European Respiratory Journal (BON)
Heart & Lung (JBra)
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 Chartered Physiotherapists in Respiratory Care (CL)
Journal Cardiopulmonary Rehabilitation (AR)
Journal of Critical Care (AR)
Journal of Thoracic and Cardiovascular Surgery (JBra)
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

CARDIOTHORACIC

ACUTE BRONCHITIS

Wei J, Juan N, Wu T, Chen X, Duan X, Liu G, Qiao J, Wang Q, Zhen J, Zhou L.

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.

The influence of age and gender of an exercise model on self-efficacy and quality of therapeutic exercise performance in the elderly.

Physiother Theory and Pract. 2005; 21(3): 137-147.

de Bisschop C, Marty ML, Tessier JF, Barberger-Gateau P, Dartigues JF, Guénard H.

Expiratory flow limitation and obstruction in the elderly.

Eur Respir J. 2005 26(4): 594-601.

Guo YF, Herrmann F, Michel JP, Janssens JP.

Normal values for respiratory resistance using forced oscillation in subjects >65 years old.

Eur Respir J. 2005; 26(4): 602-608.

Svartengren M, Falk R, Philipson K.

Long-term clearance from small airways decreases with age.

Eur Respir J. 2005; 26(4): 609-615.

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.

Crit Care Med. 2005; 33(8): 1681-1687.

Ferguson ND, Frutos-Vivar F, Esteban A, Fernandez-Segoviano P, Aramburu JA, Najera L, Stewart TE.

Acute respiratory distress syndrome: Underrecognition by clinicians and diagnostic accuracy of three clinical definitions.

Crit Care Med. 2005; 33(10): 2228-2234.

High Frequency Oscillatory Ventilation for adult acute respiratory distress syndrome (19 articles).

Crit Care Med. 2005; March Supplement.

Papazian L, Gainnier M, Marin V, Donati S, Arnal J-M, Demony D, Roch A, Forel J-M, Bongrand P, Bregeon F, Sainty J-M.

Comparison of prone positioning and high-frequency oscillatory ventilation in patients with acute respiratory distress syndrome.

Crit Care Med. 2005; 33(10) 2162-2171.

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.

Crit Care Med. 2005; 33(1): 54-61.

Toy P, Popovsky MA, Abraham E, Ambruso DR, Holness LG, Kopko PM, McFarland JG, Nathens AB, Silliman CC, Stronck C.

Transfusion-related acute lung injury: Definition and review.

Crit Care Med. 2005; 33(4): 721-726.

Kallett RH, Jasmer RM, Pittet J-F, Tang JF, Campbell AR, Dicker R, Hemphill C, Luce JM.

Clinical implementation of the ARDS network protocol is associated with reduced hospital mortality compared with historical controls.

Crit Care Med. 2005; 33(5): 925-929.

Heyland DK, Groll D, Caesar M.

Survivors of acute respiratory distress syndrome: Relationship between pulmonary dysfunction and long-term health related quality of life.

Crit Care Med. 2005; 33(7): 1549-1546.

Rubinfeld GD, Caldwell E, Peabody E, Weaver J, Martin DP, Neff M, Stern EJ, Hudson LD.

Incidence and Outcomes of Acute Lung Injury.

New Eng J Med. 2005; 353 (16) : 1685-1693.

Hopkins RO, Weaver LK, Collingridge D, Parkinson RB, Chan KJ, Orme Jr JF.

Two-Year Cognitive, Emotional, and Quality-of-Life Outcomes in Acute Respiratory Distress Syndrome.

Am J Resp Crit Care Med. 2005; 171(4): 340-347.

Grasso S, Fanelli V, Cafarelli A, Anaclerio R, Amabile M, Ancona G, Fiore T.

Effects of High versus Low Positive End-Expiratory Pressures in Acute Respiratory Distress Syndrome.

Am J Resp Crit Care Med. 2005; 171(9): 1002-1008.

Richter T, Bellam G, Harris RS, Melo MFV, Winkler T, Venegas JG, Musch G.

Effect of prone position on regional shunt, aeration and perfusion in experimental acute lung injury.

Am J Resp Crit Care Med. .2005; 171(4):480-487.

Lau HM-C, Ng GY-F, Jones AY-M, Lee EW-C, Siu EH-K, Hui DS-C.

A randomised controlled trial of the effectiveness of an exercise training program in patients recovering from severe acute respiratory syndrome.

Aust J Phys. 2005; 51(4): 213-219.

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

Heart Lung. 2005; 34(1): 22-29.

Crane PB.

Fatigue and physical activity in older women after myocardial infarction.

Heart Lung. 2005; 34(1): 30-38.

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.

Heart Lung. 2005; 34(1): 39-50.

Phillips L, Harrison T, Houck P.

Return to work and the person with heart failure.

Heart Lung. 2005; 34(2): 79-88.

Subramanian U, Weiner M, Gradus-Pizlo I, Wu J, Tu W, Murray MD.

Patient perception and provider assessment of severity of heart failure as predictors of hospitalization.

Heart Lung. 2005; 34(2): 89-98.

- Radke KJ, King KB, Blair ML, Fitzpatrick PG, Eldredge DH. **Hormonal responses to the 6-minute walk test in women and men with coronary heart disease: A pilot study.** *Heart Lung.* 2005; 34(2): 126-135.
- Harkness K, Smith KM, Taraba L, MacKenzie CL, Gunn E, Arthur HM. **Effect of a postoperative telephone intervention on attendance at intake for cardiac rehabilitation after coronary artery bypass graft surgery.** *Heart Lung.* 2005; 34(3): 179-186.
- Thomson NR, Micevski V. **A descriptive project evaluation to determine Internet access and the feasibility of using the Internet for cardiac education.** *Heart Lung.* 2005; 34(3): 194-200.
- Hamner JB, Ellison KJ. **Predictors of hospital readmission after discharge in patients with congestive heart failure.** *Heart Lung.* 2005; 34(4): 231-239.
- Chen W, Woods SL, Puntillo KA. **Gender differences in symptoms associated with acute myocardial infarction: A review of the research.** *Heart Lung.* 2005; 34(4): 240-247.
- Feuchtinger J, Halfens RJG, Dassen T. **Pressure ulcer risk factors in cardiac surgery: A review of the research literature.** *Heart Lung.* 2005; 34(6): 375-385.
- Flemme I, Edvardsson N, Hinic H, Jinhage BM, Dalman M, Fridlund B. **Long-term quality of life and uncertainty in patients living with an implantable cardioverter defibrillator.** *Heart Lung.* 2005; 34(6): 386-392.
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- Amsallem E, Kasparian C, Haddour G, Boissel JP, Nony P. **Phosphodiesterase III inhibitors for heart failure.** *The Cochrane Database of Systematic Reviews* 2005, Issue 1. Art. No.: CD002230. DOI: 10.1002/14651858.CD002230.pub2.
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Abelt S, Ritchie C, Smart N, Einerson J, Johnson M, Appleton G.
Evaluation of pedometer steps in patients with diastolic and systolic heart failure.

J Cardiopulm Rehabil. 2005; 25(5): 293.

Arena R, Guazzi M, Peberdy MA.

Characteristics of cardiopulmonary exercise testing in heart failure: comparing of American and European models.

J Cardiopulm Rehabil. 2005; 25(5): 292.

Kristofferzon M, Löfmark R, Carlsson M.

Coping, social support and quality of life over time after myocardial infarction.

J Adv Nurs. 2005; (52)2: 113-124.

Kärner A, Tingström P, Abrandt-Dahlgren M, Bergdahl B.

Incentives for lifestyle changes in patients with coronary heart disease.

J Adv Nurs. 2005; 51(3): 261-275.

CARDIAC REHABILITATION

Clark AM, Whelan HK, Barbour R, MacIntyre PD.

A realist study of the mechanisms of cardiac rehabilitation.

J Adv Nurs. 2005; 52(4): 362-371.

Pâquet M, Bolduc N, Xhignesse M, Vanasse A.

Re-engineering cardiac rehabilitation programmes: considering the patient's point of view.

J Adv Nurs. 2005; (51)6: 567-576.

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Acute coronary syndromes: cardiac rehabilitation programmes and quality of life.

J Adv Nurs. 2005; 49(6): 591-599.

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Improving uptake and adherence in cardiac rehabilitation: literature review.

J Adv Nurs. 2005; 49(5): 538-555.

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Reproducibility and validity of the incremental shuttle walking test in patients following coronary artery bypass surgery.

Physiother. 2005; 91(1): 22-27.

CHEYNE-STOKES

Sahlin C, Svanborg E, Stenlund H, Franklin KA.

Cheyne-Stokes respiration and supine dependency.

Eur Respir J. 2005; 25(5): 829-833.

Gabor JY, Newman DA, Barnard-Roberts V, Korley V, Mangat I, Dorian P, Hanly PJ.

Improvement in Cheyne-Stokes respiration following cardiac resynchronisation therapy.

Eur Respir J. 2005; 26(1): 95-100.

Nopmaneejumruslers C, Kaneko Y, Hajek V, Zivanovic V, Bradley D.

Cheyne-Stokes Respiration in Stroke.

Am J Resp Crit Care Med. 2005; 171(9): 1048-1052.

DYSPNOEA

Scano G, Stendardi L, Grazzini M.

Understanding dyspnoea by its language.

Eur Respir J. 2005; 25(2): 380-385.

MacDonald S, Yates J, Lance R, Giganti N, Chepurko D.

Are you asking the right admission questions when assessing dyspnea?

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.

Physiother 2005; 91(3): 178-185.

EXERCISE

Stendardi L, Grazzini M, Gigliotti F, Lotti P, Scano G.

Dyspnea and leg effort during exercise.

Respir Med. 2005.99;(8):933-942.

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Anti-inflammatory Effects of Physical Exercise: A new mechanism to explain the effects of cardiac rehabilitation?

J Cardiopulm Rehabil. 2005; 25(6):339-342.

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

J Cardiopulm Rehabil. 2005; 25(6):387.

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Effects of music, percussion and metronome rhythms on exercise intensity.

J Cardiopulm Rehabil. 2005; 25(5):309.

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Pedometer associations with health markers in moderate to high risk patients.

J Cardiopulm Rehabil. 2005; 25(5):298.

HEALTH PROMOTION

Hillsdon M, Foster C, Thorogood M.

Interventions for promoting physical activity.

The Cochrane Database of Systematic Reviews 2005, Issue 1. Art. No.: CD003180. DOI: 10.1002/14651858.CD003180.pub2.

Jackson NW, Howes FS, Gupta S, Doyle JL, Waters E.

Interventions implemented through sporting organisations for increasing participation in sport.

The Cochrane Database of Systematic Reviews 2005, Issue 2. Art. No.: CD004812. DOI: 10.1002/14651858.CD004812.pub2.

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.

Heart Lung. 2005; 34(3): 187-193.

HOSPITAL AT HOME

Shepperd S, Iliffe S.

Hospital at home versus in-patient hospital care.

The Cochrane Database of Systematic Reviews 2005, Issue 3. Art. No.: CD000356. DOI: 10.1002/14651858.CD000356.pub2.

HYPERTONIC SALINE

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

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

Eur Respir J. 2005; 25(1): 153-158.

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.

The Cochrane Database of Systematic Reviews 2005, Issue 2. Art. No.: CD005221. DOI: 10.1002/14651858.CD005221.

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

Surgery for early stage non-small cell lung cancer.

The Cochrane Database of Systematic Reviews 2005, Issue 1. Art. No.: CD004699. DOI: 10.1002/14651858.CD004699.pub2.

PORT Meta-analysis Trialists Group.

Postoperative radiotherapy for non-small cell lung cancer.

The Cochrane Database of Systematic Reviews 2005, Issue 1. Art. No.: CD002142. DOI: 10.1002/14651858.CD002142.pub2.

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

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

The Cochrane Database of Systematic Reviews 2005, Issue 4. Art. No.: CD003051. DOI: 10.1002/14651858.CD003051.pub2.

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

J Thorac Cardiovasc Surg. 2005; 129(1): 64-72.

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Does lobectomy for lung cancer in patients with chronic obstructive pulmonary disease affect lung function? A multicenter national study.

J Thorac Cardiovasc Surg. 2005; 130(5): 1616-1622.

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Cardiopulmonary Exercise Tests and Lung Cancer Surgical Outcome.

Chest. 2005; 127: 1159-1165.

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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.

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Body Mass Index and Lung Cancer: A Case-Control Study of Subjects Participating in a Mass-Screening Program.

Chest. 2005 128: 1490-1496.

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Bronchial Colonization and Postoperative Respiratory Infections in Patients Undergoing Lung Cancer Surgery.

Chest. 2005 128: 1571-1579.

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Cochrane systematic reviews of treatments for lung cancer.

Respir Med. 2005; 99(9):1071-1078.

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Impact of Induction Concurrent Chemoradiotherapy on Pulmonary Function and Postoperative Acute Respiratory Complications in Esophageal Cancer.

Chest. 2005; 128: 250-255.

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Advances in Malignant Mesothelioma.

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Abnormalities in Nitric Oxide and Its Derivatives in Lung Cancer.

Am J Respir Crit Care Med. 2005; 172(5): 597-605.

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.

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

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Rahman SMJ, Shyr Y, Yildiz PB, Gonzalez AL, Li H, Zhang X, Chaurand P, Yanagisawa K, Slovis BS, Miller RF, Ninan M, Miller YE, Franklin WA, Caprioli RM, Carbone DP, Massion PP.

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Early Lung Cancer Detection Using Spiral Computed Tomography and Positron Emission Tomography.
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LUNG TRANSPLANT

Maher C, Williams M.
Factors influencing the use of outcome measures in physiotherapy management of lung transplant patients in Australia and New Zealand.
Physiother Theory Pract. 2005; 21(4): 201-219.

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Decision support for the triage of lung transplant recipients on the basis of home-monitoring spirometry and symptom reporting.
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High central venous pressure is associated with prolonged mechanical ventilation and increased mortality after lung transplantation.
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Fischer S, Gohrbandt B, Struckmeier P, Niedermeyer J, Simon A, Hagl C, Kallenbach K, Haverich A, Strüber M.
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J Thorac Cardiovasc Surg. 2005; 129(4): 919-925.

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Evaluation of the oxygenation ratio in the definition of early graft dysfunction after lung transplantation.
J Thorac Cardiovasc Surg. 2005; 130(1): 180-186.

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Prognostic Value of Bronchiolitis Obliterans Syndrome Stage 0-p in Single-Lung Transplant Recipients.
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Parimon T, Madtes DK, Au DH, Clark JG, Chien JW.
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Am J Respir Crit Care Med. 2005; 172(3): 384-390.

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Short-Term Deployment of Self-Expanding Metallic Stents Facilitates Healing of Bronchial Dehiscence.
Am J Respir Crit Care Med. 2005; 172(6): 768-771.

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Azithromycin Reverses Airflow Obstruction in Established Bronchiolitis Obliterans Syndrome.
Am J Respir Crit Care Med. 2005; 172(6): 772-775.

Mal H, Cerrina J, Darteville P, Dromer C, Velly J-F, Stern M, Loirat P, Leseche G, Bertocchi M, Mornex J-F, Haloun A, Despins P, Pison C, Blin D, Reynaud-Gaubert M.
Graft Ischemic Time and Outcome of Lung Transplantation.
Am J Resp Crit Care Med. 2005; 171(7): 786-792.

MISCELLANEOUS

Pellegrini N, Laforet P, Orlikowski D, Pellegrini M, Caillaud C, Eymard B, Raphael JC, Lofaso F.
Respiratory insufficiency and limb muscle weakness in adults with Pompe's disease.
Eur Respir J. 2005; 26(6): 1024-1031.

Becker HD.
More than measures and mechanics. The art of breathing.
Respiration. 2005; 72(6): 572-4.

Goldhill DR, McNarry A F, Mandersloot G, McGinley A.
A physiologically-based early warning score for ward patients: the association between score and outcome.
Anaesthesia. 2005; 60(6): 547-553.

Harden B, Cross J, Thomas S.
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J ACPRC. 2005; 37: 17-24.

Keilty S.
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Ramaswamy B.
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