



ACPRC

**Respiratory
Review**

2010

EDITORIAL

Welcome to the Respiratory Review for 2010. The ACPRC would like to thank the reviewers for their contributions. The Review, which this year incorporates 37 journals, will also be available on the ACPRC website from May 2010. Following the member survey conducted last year, the Respiratory Review will now be published bi-annually, with the next edition for January-June 2011 published in Oct 2011. The Respiratory Review will no longer be published in hard copy and will move to online only for the next edition.

Lauren Hogg
RESPIRATORY REVIEW EDITOR

Reviewers and Journals

Alex Robinson (ARo)	Jane Toms (JT)
Amy Rees (AR)	Lizzie Flude (LF)
Ann Banks (AB)	Lynn McDonnell (LMcD)
Arun Joseph (AJ)	May Nel (MN)
Brenda O'Neill (BO'N)	Nicki Garner (NGa)
Bronwen Connolly (BC)	Nicola Glasby (NG)
Claire Bradley (CB)	Pamela Vaughn (PV)
Claire Hine (CH)	Rachel Garrod (RG)
Fidelma Moran (FM)	Rosalie Bennett (RB)
Harriert Shannon (HS)	Trudy Reeve (TR)
Holly Gilbert (HG)	Una Jones (UJ)
Izzie Easton (IE)	

American Journal of Critical Care (CB)
American Journal of Respiratory and Critical Care Medicine (LMcD)
Anaesthesia (RB)
Archives of Physical Medicine and Rehabilitation (BO'N)
BMJ (LF)
British Journal of Anaesthesia (NG)
Chest (LF)
Cochrane Reviews (RG)
Critical Care Medicine (MN)
European Respiratory Journal (MN)
Heart and Lung (CB)
Intensive Care Medicine (NG)
International Journal of COPD (RG)
Journal of ACPRC (AB)
Journal of Advanced Nursing (JT)
Journal of American Medical Association (AR)
Journal of Cardiopulmonary Rehabilitation and Prevention (CH/LF)
Journal of Critical Care (CH)
Journal of Intensive Care Medicine (RB)
Journal of Neurology, Neurosurgery and Psychiatry (UJ)
Journal of Physiotherapy (ARo)
Journal of Rehabilitation Medicine (BC)
Lancet (BC)
Neurology (UJ)
New England Journal of Medicine (AB)
New Zealand Journal of Physiotherapy (IE)
Open Respiratory Medicine Journal (AJ)
Pediatric Pulmonology (HS)
Physical Therapy (TR)
Physical Therapy Reviews (BO'N)
Physiotherapy (CB)
Physiotherapy Canada (FM)
Physiotherapy Research International (RG)
Physiotherapy Theory and Practice (MN)
Respiration (HG)
Respiratory Medicine (PV)
Thorax (PV)

TOPICS

Cardiovascular Disease

Cardiac Rehabilitation and Exercise	3
Coronary Heart Disease	3
Heart Failure	4
Vascular Disease	4

Continuing Professional Development

Critical Care	
Acute Lung Injury and ARDS	4
Critical Care Rehabilitation	5
ECMO	5
General Critical Care and Miscellaneous	5
Invasive and Non-Invasive Ventilation	7
Neurological	9
Sepsis	9
Ventilator Acquired Pneumonia	9
Weaning	9

Exercise, Exercise Testing and Physical Activity

H1N1 (Paediatrics and adults)

HIV

Lung Disease

Aspergillus	11
Asthma	11
Bronchiectasis	11
COPD	12
Cystic Fibrosis (Paediatrics and Adults)	14
Interstitial Lung Disease and Pneumonia	15
Lung Cancer	16
Pulmonary Rehabilitation, Exercise and Activity	16
Sarcoidosis	17

Miscellaneous

Neurology

Brain Injury	18
Neuromuscular	18
Neurosurgical	18
Spinal Cord Injury	18
Stroke	18

NIV, CPAP and IPPB

Obstructive Sleep Apnoea

Oxygen

Paediatrics (non-CF)

Palliative Care

Respiratory Physiology

Surgery

Cardiothoracic Surgery	21
General Surgery	21

Weekend Services

Cardiovascular disease

Cardiac Rehabilitation and Exercise

Araya-Ramírez F, Briggs KK, Bishop SR et al
Who Is Likely to Benefit From Phase II Cardiac Rehabilitation?
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(2): 93-100

Arena R, Pinkstaff S, Wheeler E et al
Neuromuscular Electrical Stimulation and Inspiratory Muscle Training as Potential Adjunctive Rehabilitation Options for Patients with Heart Failure
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(4): 209-223

Blanchard CM, Reid RD, Morrin LI et al
Demographic and Clinical Determinants of Moderate to Vigorous Physical Activity during Home-Based Cardiac Rehabilitation: The Home-Based Determinants of Exercise (HOME) Study
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(4): 240-245

Blumenthal J, Wang J, Babyak M et al
Enhancing Standard Cardiac Rehabilitation with Stress Management Training: Background, Methods, and Design for the Enhanced Study
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(2): 77-84

Eder B, Hofmann P, von Duvillard SP et al
Early 4-Week Cardiac Rehabilitation Exercise Training in Elderly Patients After Heart Surgery
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(2): 85-92

Evans J, Bethell H, Turner S
Characteristics of Patients Entering Cardiac Rehabilitation in the United Kingdom 1993-2006: Implications for the Future
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(6): suppl

Kaminsky DA, Savage PD, Callas PW et al
Lung Function and Cardiovascular Risk: Effect of Cardiac Rehabilitation
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(6): 384-390

Keib CN, Reynolds NR, Ahijevych KL
Poor Use of Cardiac Rehabilitation Among Older Adults: A Self-Regulatory Model for Tailored Interventions
Heart and Lung 2010; 39(6): 504-511

Keteyian SJ, Piña IL, Hibner BA et al
Clinical Role of Exercise Training in the Management of Patients With Chronic Heart Failure
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(2): 67-76

Marzolini S, Candelaria H, Oh P
Prevalence and Impact of Musculoskeletal Co-Morbidities in Cardiac Rehabilitation
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(6): 391-400

Pepera G, McAllister J, Sandercock G
Long-term Reliability of the Incremental Shuttle Walking Test in Clinically Stable Cardiovascular Disease Patients
Physiotherapy 2010; 96(3): 222-227

Pozehl B, Duncan K, Hertzog M, Norman JF
Heart Failure Exercise and Training Camp: Effects of a Multi-Component Exercise Training Intervention in Patients With Heart Failure
Heart and Lung 2010; 39(6): S1-S13

Saval MA, Kerrigan DJ, Ophaug KM et al
Relationship Between Leg Muscle Endurance and V_E/V_{CO_2} Slope in Patients With Heart Failure
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(2): 106-110

Thomas R, King M, Lui K et al
Reprint-AACVPR/ACCF/AHA 2010 Update; Performance Measures on Cardiac Rehabilitation for Referral to Cardiac Rehabilitation/Secondary Prevention Services: A Report of the American Association of Cardiovascular and Pulmonary Rehabilitation and the American College of Cardiology Foundation / American Heart Association Task Force on Performance Measures
Physical Therapy 2010; 90(10): 1373-82

Coronary Heart Disease

Goulding L, Furze G, Birks Y
Randomized Controlled Trials of Interventions to Change Maladaptive Illness Beliefs in People with Coronary Heart Disease: Systematic Review
Journal of Advanced Nursing 2010; 66(5): 946-961

Grewal K, Stewart DE, Grace SL
Differences in Social Support and Illness Perception Among South Asian and Caucasian Patients with Coronary Artery Disease
Heart and Lung 2010; 39(3): 180-187

Janey C Peterson, JP Allegrante, PA et al
Living with Heart Disease After Angioplasty: A Qualitative Study of Patients Who Have Been Successful or Unsuccessful in Multiple Behaviour Change
Heart and Lung 2010; 39(2): 105-115

Thanavaro JL, Thanavaro S, Delicath T
Health Promotion Behaviours in Women with Chest Pain
Heart and Lung 2010; 39(5): 394-403

Heart Failure

Aguado O, Morcillo C, Delàs J et al
Long-Term Implications of a Single Home-Based Educational Intervention in Patients With Heart Failure
Heart and Lung 2010; 39(6): S14-S22

Carvalho VO, Garrod R, Bocchi EA et al
Validation of the London Chest Activity of Daily Living Scale in Patients with Heart Failure
Journal of Rehabilitative Medicine 2010; 42: 715-718

Guazzi M, Myers J, Peberdy MA et al
Cardiopulmonary Exercise Testing Variables Reflect the Degree of Diastolic Dysfunction in Patients with Heart Failure-Normal Ejection Fraction
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(3): 165-172

Jefferies JL, Towbin JA
Dilated Cardiomyopathy
The Lancet 2010; 375(9716): 752-762

Smeulders E, van Haastregt J, Ambergen T
Nurse-Led Self-Management Group Programme for Patients with Congestive Heart Failure: Randomized Controlled Trial
Journal of Advanced Nursing 2010; 66(7): 1487-1499

Vascular disease

Honnesh S, Goosen L, Adams N et al
Effect of Short Term Exercise Training on Aerobic Fitness in Patients with Abdominal Aortic Aneurysms
British Journal of Anaesthesia 2010; 104(2): 265-267

Myers JN, White JJ, Narasimhan B et al
Effects of Exercise Training in Patients with Abdominal Aortic Aneurysm: Preliminary Results from a Randomized Trial
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(6): 374-383

Continuing Professional Development

Dowds J, O'Hanlon DJ
An Evaluation of the Use of Feedback During Respiratory In-Service Training
Journal of the ACPRC 2010; 42: 16-21

Frenk J, Chen L, Bhutta ZA et al
Health Professionals for a New Century: Transforming Education to Strengthen Health Systems in an Interdependent World
The Lancet 2010; 376(9756): 1923-1958

Critical Care

Acute Lung Injury and ARDS

Antonelli M, Azoulay E, Bonten M et al
Year in Review in *Intensive Care Medicine* 2009. Part III: Mechanical Ventilation, Acute Lung Injury and Respiratory Distress Syndrome, Paediatrics, Ethics, and Miscellaneous
Intensive Care Medicine 2010; 36(4): 567-584

Bajwa AA, Arasi L, Canabal JM, Kramer D J
Automated Prone Positioning and Axial Rotation in Critically Ill, Non-Trauma Patients with Acute Respiratory Distress Syndrome (ARDS)
Journal of Intensive Care Medicine 2010; 25: 121-125

Briel M, Meade M, Mercat A et al
Higher Versus Lower Positive End-Expiratory Pressure in Patients with Acute Lung Injury and Acute Respiratory Distress Syndrome- Systematic Review and Meta-Analysis
Journal of the American Medical Association 2010; 303(9): 865-873

Caironi P, Cressoni M, Chiumello D et al
Lung Opening and Closing During Ventilation of Acute Respiratory Distress Syndrome
American Journal of Respiratory and Critical Care Medicine 2010; 181: 578-586

Diaz JV, Brower R, Calfee C et al
Therapeutic Strategies for Severe Acute Lung Injury
Critical Care Medicine 2010; 38(8): 1644-1650

López-Aguilar J, Quilez M, Martí-Sistac O
Early Physiological and Biological Features in Three Animal Models of Induced Acute Lung Injury
Intensive Care Medicine 2010; 36(2): 347-355

Marini J
Prone Positioning for ARDS: Defining the Target
Intensive Care Medicine 2010; 36(4): 559-561

Papazian L, Forel J-M, Gacouin A et al
Neuromuscular Blockers in Early Acute Respiratory Distress Syndrome
New England Journal of Medicine 2010; 363(12): 1107-16

Peltekova V, Engelberts D, Otulakowski G et al
Hypercapnic Acidosis in Ventilator-Induced Lung Injury
Intensive Care Medicine 2010; 36(5): 869-878

Rabe C, Appenrodt B, Hoff S
Severe Respiratory Failure Due to Diffuse Alveolar Haemorrhage: Clinical Characteristics and Outcome of Intensive Care
Journal of Critical Care 2010; 25(2): 230-235

Rubinfeld GD
How Much Positive End Expiratory Pressure in Acute Lung Injury
Journal of the American Medical Association 2010; 303(9): 883-884

Santiago VR, Rzezinski AF, Nardelli LM et al
Recruitment Manoeuvre in Experimental Acute Lung Injury: The Role of Alveolar Collapse and Oedema
Critical Care Medicine 2010; 38(11): 2207-2214

Sheu C, Gong M, Zhai R et al
The Influence of Infection Sites on Development and Mortality of ARDS
Intensive Care Medicine 2010; 36(6): 963-970

Squadrone V, Massaia M, Bruno B et al
Early CPAP Prevents Evolution of Acute Lung Injury in Patients with Haematological Malignancy
Intensive Care Medicine 2010; 36(10): 1666-1674

Sud S, Friedrich J, Taccone P et al
Prone Ventilation Reduces Mortality in Patients with Acute Respiratory Failure and Severe Hypoxemia: Systematic Review and Meta-Analysis
Intensive Care Medicine 2010; 36(4): 585-599

Sud S, Sud M, Friedrich J
High Frequency Oscillation in Patients with Acute Lung Injury and Acute Respiratory Distress Syndrome (ARDS): Systematic Review and Meta-Analysis
BMJ 2010; 340: c2327

Critical Care Rehabilitation

Fan E, Ciesla N, Truong A et al
Inter-Rater Reliability of Manual Muscle Strength Testing in ICU Survivors and Simulated Patients
Intensive Care Medicine 2010; 36(6): 1038-1043

Griffiths RD, Hall JB
Intensive Care Unit Acquired Weakness
Critical Care Medicine 2010; 38(3): 779-787

Needham DM, Korupolu R, Zanni JM et al
Early Physical Medicine and Rehabilitation for Patients with Acute Respiratory Failure: A Quality Improvement Project
Archives of Physical Medicine and Rehabilitation 2010; 91(4): 536-542

Stockley RC, Hughes J, Morrison J, Rooney J
An Investigation of the Use of Passive Movements in Intensive Care by UK Physiotherapists
Physiotherapy 2010; 96(3): 228-233

Zanni J, Korupolu R, Fan E et al
Rehabilitation Therapy and Outcomes in Acute Respiratory Failure: An Observational Pilot Project
Journal of Critical Care 2010; 25(2): 254-262

ECMO

Buckley E, Sidebotham D, McGeorge A et al
Extracorporeal Membrane Oxygenation for Cardiorespiratory Failure in Four Patients with Pandemic H1N1 2009 Influenza Virus and Secondary Bacterial Infection
British Journal of Anaesthesia 2010; 104(3): 326-329

Bui K, Senadheera D, Wang X et al
Recovery of Multipotent Progenitors from the Peripheral Blood of Patients Requiring Extracorporeal Membrane Oxygenation Support
American Journal of Respiratory and Critical Care Medicine 2010; 181: 226-237

Karagiannidis C, Lubnow M, Philipp A et al
Autoregulation of Ventilation with Neurally Adjusted Ventilatory Assist on Extracorporeal Lung Support
Intensive Care Medicine 2010; 36(12): 2038-2044

Roch A, Lepaul-Ercole R, Grisoli D et al
Extracorporeal Membrane Oxygenation for Severe Influenza A (H1N1) Acute Respiratory Distress Syndrome: A Prospective Observational Comparative Study
Intensive Care Medicine 2010; 36(11): 1899-1905

General

Abrams TE, Vaughan-Sarrazin M, Rosenthal GE
Preexisting Comorbid Psychiatric Conditions and Mortality in Non-Surgical Intensive Care Patients
American Journal of Critical Care 2010; 19(3): 241-249

Adhikari NKJ, Fowler RA, Bhagwanjee S et al
Critical Care and the Global Burden of Critical Illness in Adults
The Lancet 2010; 376(9749): 1339-1346

Antonelli M, Azoulay E, Bonten M et al
Year in Review in *Intensive Care Medicine* 2009. Part III: Mechanical Ventilation, Acute Lung Injury and Respiratory Distress Syndrome, Paediatrics, Ethics, and Miscellanea
Intensive Care Medicine 2010; 36(4): 567-584

Burgmann H, Hiesmayr M, Savey A et al
Impact of Nosocomial Infections on Clinical Outcome and Resource Consumption in Critically Ill Patients
Intensive Care Medicine 2010; 36(9): 1597-1601

Bernal W, Auzinger G, Dhawan A et al
Acute Liver Failure
The Lancet 2010; 376(9736): 190-201

Bouadma L, Luyt C-E, Tubach F et al
Use of Procalcitonin to Reduce Patients' Exposure to Antibiotics in Intensive Care Units (PRORATA trial): A Multi-Centre Randomised Controlled Trial
The Lancet 2010; 375(9713): 463-474

Curtis RJ, Vincent J-L
Ethics and End-of-Life Care for Adults in the Intensive Care Unit
The Lancet 2010; 376(9749): 1347-1353

Daly B, Douglas S, O'Toole E
Effectiveness Trial of Intensive Communication Structure for Families of Long-Stay ICU Patients
Chest 2010; 138(6): 1340-8

Efrati S, Deutsch I, Gurman G et al
Tracheal Pressure and Endotracheal Tube Obstruction Can Be Detected by Continuous Cuff Pressure Monitoring: In Vitro Pilot Study
Intensive Care Medicine 2010; 36(6): 984-990

Feider LL, Mitchell P, Bridges E
Oral Care Practices for Orally Intubated Critically Ill Adults
American Journal of Critical Care 2010; 19(2): 175-183

Fildissis G, Katostaras T, Moles A et al
Oxygenation Equilibration Time After Alteration of Inspired Oxygen in Critically Ill Patients
Heart and Lung 2010; 39(2): 147-152

Guenther U, Popp J, Koecher L
Validity and Reliability of the CAM-ICU Flowsheet to Diagnose Delirium in Surgical ICU Patients
Journal of Critical Care 2010; 25(1): 144-151

Harrison D, Gao H, Welch C
The Effects of Critical Care Outreach Services Before and After Critical Care: A Matched-Cohort Analysis
Journal of Critical Care 2010; 25(2): 196-204

Hiner C, Kasuya T, Cottingham C, Whitney J
Clinicians' Perception of Head-of-Bed Elevation
American Journal of Critical Care 2010; 19(2): 164-167

Jacobowski NL, Girard TD, Mulder JA, Ely EW
Communication in Critical Care: Family Rounds in the Intensive Care Unit
American Journal of Critical Care 2010; 19(5): 421-430

Kahn JM, Benson NM, Appleby D et al
Long Term Acute Care Hospital Utilisation After Critical Illness
Journal of the American Medical Association 2010; 303(22): 2253-2259

Kalfon P, Mimoz O, Auquier P et al
Development and Validation of a Questionnaire for Quantitative Assessment of Perceived Discomforts in Critically Ill Patients
Intensive Care Medicine 2010; 36(10): 1751-1758

Karbing D, Allerød C, Thorgaard P et al
Prospective Evaluation of a Decision Support System for Setting Inspired Oxygen in Intensive Care Patients
Journal of Critical Care 2010; 25(3): 367-374

Khalid I, Doshi P, DiGiovine B
Early Enteral Nutrition and Outcomes of Critically Ill Patients Treated With Vasopressors and Mechanical Ventilation
American Journal of Critical Care 2010; 19(3): 261-268

Kiekkas P, Velissaris D, Karanikolas M et al
Peak Body Temperature Predicts Mortality in Critically Ill patients without Cerebral Damage
Heart and Lung 2010; 39(3): 208-216

Kjonegaard R, Fields W, King ML
Current Practice in Airway Management: A Descriptive Evaluation
American Journal of Critical Care 2010; 19(2): 168-173

Kilpatrick B, Slinger P
Lung Protective Strategies in Anaesthesia
British Journal of Anaesthesia 2010; 105(Suppl 1): i108-i116

Klein DG, Dumpe M, Katz E, Bena J
Pain Assessment in the Intensive Care Unit: Development and Psychometric Testing of the Nonverbal Pain Assessment Tool
Heart and Lung 2010; 39(6): 521-528

Kondili E, Alexopoulou C, Xirouchaki N et al
Estimation of Inspiratory Muscle Pressure in Critically Ill Patients
Intensive Care Medicine 2010; 36(4): 648-655

Ksouri H, Balanant P, Tadié J et al
Impact of Morbidity and Mortality Conferences on Analysis of Mortality and Critical Events in Intensive Care Practice
American Journal of Critical Care 2010; 19(2): 135-145

Kuijsten H, Brinkman S, Meynaar I et al
Hospital Mortality is Associated With ICU Admission Time
Intensive Care Medicine 2010; 36(10): 1765-1771

Mannam P, Siegel MD
Analytic Review: Management of Life-Threatening Asthma in Adults
Journal of Intensive Care Medicine 2010; 25: 3-15

Myhren H, Ekeberg Ø, Stokland O
Health-Related Quality of Life and Return to Work After Critical Illness in General Intensive Care Unit Patients: A 1-Year Follow-Up Study
Critical Care Medicine 2010; 38(7): 1554-1561

Nelson JE, Bassett R, Boss RD et al
Models for Structuring a Clinical Initiative to Enhance Palliative Care in the Intensive Care Unit: A Report from the IPAL-ICU Project (Improving Palliative Care in the ICU)
Critical Care Medicine 2010; 38(9): 1765-1772

Perren A, Previsdomini M, Llamas M et al
Patients' Prediction of Extubation Success
Intensive Care Medicine 2010; 36(12): 2045-2052

Raouf S, Goulet K, Esan A et al
Severe Hypoxemic Respiratory Failure: Part 2- Non-Ventilatory Strategies
Chest 2010; 137(6): 1437-48

Savel RH
The Multidisciplinary Nature of Critical Care: Living the Dream
American Journal of Critical Care 2010; 19(6): 480-482

Sharshar T, Bastuji-Garin S, De Jonghe B et al
Hormonal Status and ICU- Acquired Paresis in Critically Ill Patients
Intensive Care Medicine 2010; 36(8): 1318-1326

Shorter M, Stayt L
Critical Care Nurses' Experiences of Grief in an Adult Intensive Care Unit
Journal of Advanced Nursing 2010; 66(1): 159-167

Tiruvoipati R, Lewis D, Haji K et al
High-Flow Nasal Oxygen Versus High-Flow Face Mask: A Randomized Crossover Trial in Extubated Patients
Journal of Critical Care 2010; 25(3): 463-468

Topolovec-Vranic J, Canzian S, Innis J et al
Patient Satisfaction and Documentation of Pain Assessments and Management After Implementing the Adult Nonverbal Pain Scale
American Journal of Critical Care 2010; 19(4): 345-354

Van Eijk MM, Roes KC, Honing ML et al
Effect of Rivastigmine as an Adjunct to Usual Care with Haloperidol on Duration of Delirium and Mortality in Critically Ill Patients: a Multi-Centre, Double-Blind, Placebo-Controlled Randomised Trial
The Lancet 2010; 376(9755): 1829-1837

Vincent J-L, Singer M
Critical Care: Advances and Future Perspectives
The Lancet 2010; 376(9749): 1354-1361

Voepel-Lewis T, Zanotti J, Dammeyer JA, Merkel S
Reliability and Validity of the Face, Legs, Activity, Cry, Consolability Behavioral Tool in Assessing Acute Pain in Critically Ill Patients
American Journal of Critical Care 2010; 19(1): 55-61

Williams TA, Leslie G, Finn J et al
Clinical Effectiveness of a Critical Care Nursing Outreach Service in Facilitating Discharge From the Intensive Care Unit
American Journal of Critical Care 2010; 19(5): e63-e72

Wiles L, Stiller K
Passive Limb Movements for Patients in an Intensive Care Unit: A Survey of Physiotherapy Practice in Australia
Journal of Critical Care 2010; 25(3): 501-508

Williams T, Ho K, Dobb G et al
Editor's Choice: Effect of Length of Stay in Intensive Care on Hospital and Long Term Mortality of Critically Ill Adult Patients
British Journal of Anaesthesia 2010; 104(4): 459-464

Zimmerman J, Kramer A
A Model for Identifying Patients Who May Not Need Intensive Care Unit Admission
Journal of Critical Care 2010; 25(2): 205-213

Invasive and Non-invasive Ventilation

Ahmed F, Shafeeq AM, Moiz JA et al
Comparison of Effects of Manual Versus Ventilator Hyperinflation on Respiratory Compliance and Arterial Blood Gases in Patients Undergoing Mitral Valve Replacement
Heart and Lung 2010; 39(5): 437-443

Chung K, Wolf SE, Renz EM et al
High-Frequency Percussive Ventilation and Low Tidal Volume Ventilation in Burns: A Randomized Controlled Trial
Critical Care Medicine 2010; 38(10): 1970-1977

Costa R, Navalesi P, Spinazzola G et al
Influence of Ventilator Settings on Patient-Ventilator Synchrony During Pressure Support Ventilation With Different Interfaces
Intensive Care Medicine 2010; 36(8): 1363-1370

Dargaville P, Rimensberger P, Frerichs I
Regional Tidal Ventilation and Compliance During a Stepwise Vital Capacity Manoeuvre
Intensive Care Medicine 2010; 36(11): 1953-1961

De Luca D, Carnielli V, Conti G et al
Non-Invasive High Frequency Oscillatory Ventilation Through Nasal Prongs: Bench Evaluation of Efficacy and Mechanics
Intensive Care Medicine 2010; 36(12): 2094-2100

Depuydt P, Benoit D, Roosens C et al
The Impact of the Initial Ventilatory Strategy on Survival in Haematological Patients with Acute Hypoxemic Respiratory Failure
Journal of Critical Care 2010; 25(1): 30-36

El Khoury MY, Panos RJ, Ying J, Almoosa KF
Value of the PaO₂:FiO₂ Ratio and Rapid Shallow Breathing Index in Predicting Successful Extubation in Hypoxemic Respiratory Failure
Heart and Lung 2010; 39(6): 529-536

Esan A, Hess D, Raouf S et al
Severe Hypoxemic Respiratory Failure: Part 1-Ventilatory Strategies
Chest 2010; 137(5): 1203-16

Fartoukh M, Lefort Y, Habibi A et al
Early Intermittent Non-Invasive Ventilation for Acute Chest Syndrome in Adults with Sickle Cell Disease: A Pilot Study
Intensive Care Medicine 2010; 36(8): 1355-1362

Fick I, Tijdink M, Halbertsma F et al
Risk Factors for the Deterioration of Oxygenation Ratio in Ventilated Intensive Care Unit Patients: A Retrospective Cohort Study
Journal of Critical Care 2010; 25(1): 3-9

Heunks L, De Bruin C, Van der Hoeven J et al
Non-Invasive Mechanical Ventilation for Diagnostic Bronchoscopy Using a New Face Mask: An Observational Feasibility Study
Intensive Care Medicine 2010; 36(1): 143-147

Iotti G, Polito A, Belliato M et al
Adaptive Support Ventilation Versus Conventional Ventilation for Total Ventilatory Support in Acute Respiratory Failure
Intensive Care Medicine 2010; 36(8): 1371-1379

Isgro S, Zanella A, Sala C et al
Continuous Flow Biphasic Positive Airway Pressure by Helmet in Patients with Acute Hypoxic Respiratory Failure: Effect on Oxygenation
Intensive Care Medicine 2010; 36(10): 1688-1694

Jones DJ, Munro CL, Grap MJ, et al
Oral Care and Bacteraemia Risk in Mechanically Ventilated Adults
Heart and Lung 2010; 39(6): S57-S65

Kohlenberg A, Schwab F, Behnke M et al
Pneumonia Associated with Invasive and Non-Invasive Ventilation: An Analysis of the German Nosocomial Infection Surveillance System Database
Intensive Care Medicine 2010; 36(6): 971-978

Li Q, Yao G, Ge Q et al
Relevant Risk Factors Affecting Time of Ventilation During Early Postoperative Period After Orthotopic Liver Transplantation
Journal of Critical Care 2010; 25(2): 221-224

Lucangelo U, Accardo A, Bernardi A et al
Gas Distribution in a Two-Compartment Model Ventilated in High-Frequency Percussive and Pressure-Controlled Modes
Intensive Care Medicine 2010; 36(12): 2125-2131

Lumb A, Greenhill S, Simpson M et al
Editor's Choice: Lung Recruitment and Positive Airway Pressure Before Extubation Does Not Improve Oxygenation in Post Anaesthetic Care Unit
British Journal of Anaesthesia 2010; 104(5): 643-647

Lyazidi A, Thille A, Guillaume Carteaux G et al
Bench Test Evaluation of Volume Delivered by Modern ICU Ventilators During Volume-Controlled Ventilation
Intensive Care Medicine 2010; 36(12): 2074-2080

Mehta S, Heffer M, Maham N et al
Impact of Endotracheal Tube Size on Pre-Extubation Respiratory Variables
Journal of Critical Care 2010; 25(3): 483-488

Mollica C, Paone G, Conti V et al
Mechanical Ventilation in Patients with End-Stage Idiopathic Pulmonary Fibrosis
Respiration 2010; 79(3): 209-215

O'Brien P, Joss J, Crofts S
Application of a Ventilator Care Bundle and Outcome
British Journal of Anaesthesia 2010; 104(1): 112-113

Passath C, Takala J, Tuchscherer D et al
Physiologic Response to Changing Positive End Expiratory Pressure During Neurally Adjusted Ventilatory Assist in Sedated, Critically Ill Adults
Chest 2010; 138(3): 578-87

Phua J, Ang Y, See K et al
Non-Invasive and Invasive Ventilation in Acute Respiratory Failure Associated With Bronchiectasis
Intensive Care Medicine 2010; 36(4): 638-647

Pitts R, Fisher D, Sulemanji D et al
Variables Affecting Leakage Past Endotracheal Tube Cuffs: A Bench Study
Intensive Care Medicine 2010; 36(12): 2066-2073

Pohlman MC, Schweickert WD, Pohlman AS et al
Feasibility of Physical and Occupational Therapy Beginning from Initiation of Mechanical Ventilation
Critical Care Medicine 2010; 38(11): 2089-2094

Rose L, Baldwin I, Crawford T, Parke R
Semi-Recumbent Positioning in Ventilator-Dependent Patients: A Multi-Centre, Observational Study
American Journal of Critical Care 2010; 19(6): e100-e108

Segal L, Oei E, Oppenheimer B et al
Evolution of Pattern of Breathing During a Spontaneous Breathing Trial Predicts Successful Extubation
Intensive Care Medicine 2010; 36(3): 487-495

Strom T, Martinussen T, Toft P
A Protocol of No Sedation for Critically Ill Patients Receiving Mechanical Ventilation: A Randomised Trial
The Lancet 2010; 375(9713): 475-480

Szkulmowski Z, Belkhouja K, Le Q et al
Bi-Level Positive Airway Pressure Ventilation: Factors Influencing Carbon Dioxide Re-breathing
Intensive Care Medicine 2010; 36(4): 688-691

Tingay D, Copnell B, Grant C et al
The Effect of Endotracheal Suction on Regional Tidal Ventilation and End-Expiratory Lung Volume
Intensive Care Medicine 2010; 36(5): 888-896

Vignaux L, Tassaux D, Carteaux G et al
Performance of Non-Invasive Ventilation Algorithms on ICU Ventilators During Pressure Support: A Clinical Study
Intensive Care Medicine 2010; 36(12): 2053-2059

Zoremba M, Kalmus G, Dette F et al
Effect of Intra-Operative Pressure Support vs Pressure Controlled Ventilation on Oxygenation and Lung Function in Moderately Obese Adults
Anaesthesia 2010; 65: 124-129

Neurological

Arabi Y, Haddad S, Tamim H et al
Mortality Reduction After Implementing a Clinical Practice Guidelines-Based Management Protocol for Severe Traumatic Brain Injury
Journal of Critical Care 2010; 25(2): 190-195

Chan LY, Jones AY, Chung RC, Hung KN
Peak Flow Rate During Induced Cough: A Predictor of Successful Decannulation of a Tracheotomy Tube in Neurosurgical Patients
American Journal of Critical Care 2010; 19(3): 278-284

Legriel S, Marijon H, Darmon M et al
Central Neurological Complications in Critically Ill Patients with Malignancies
Intensive Care Medicine 2010; 36(2): 232-240

Prigent H, Garguilo M, Pascal S et al
Speech Effects of a Speaking Valve Versus External PEEP in Tracheostomised Ventilator-Dependent Neuromuscular Patients
Intensive Care Medicine 2010; 36(10): 1681-1687

Sepsis

Antonelli M, Azoulay E, Bonten M et al
Year in Review in *Intensive Care Medicine* 2009: I. Pneumonia and Infections, Sepsis, Outcome, Acute Renal Failure and Acid Base, Nutrition and Glycaemic Control
Intensive Care Medicine 2010; 36(2): 196-209

Brunello A, Haenggi M, Wigger O et al
Usefulness of a Clinical Diagnosis of ICU-Acquired Paresis to Predict Outcome in Patients with SIRS and Acute Respiratory Failure
Intensive Care Medicine 2010; 36(1): 66-74

Iwashyna TJ, Ely EW, Smith DM et al
Long Term Cognitive Impairment and Functional Disability Among Survivors of Severe Sepsis
Journal of the American Medical Association 2010; 304(16): 1787-1794

Lazosky A, Young G, Zirul S et al
Quality of Life After Septic Illness
Journal of Critical Care 2010; 25(3): 406-412

Levy M, Dellinger P, Townsend S et al
The Surviving Sepsis Campaign: Results of an International Guideline-Based Performance Improvement Program Targeting Severe Sepsis
Intensive Care Medicine 2010; 36(2): 222-231

Ventilator Acquired Pneumonia

El-Khatib MF, Zeineldine S, Ayoub C et al
Critical Care Clinicians' Knowledge of Evidence-Based Guidelines for Preventing Ventilator-Associated Pneumonia
American Journal of Critical Care 2010; 19(3): 272-276

Lacherade J-C, De Jonghe B, Guezennec P et al
Intermittent Subglottic Secretion Drainage and Ventilator-associated Pneumonia: A Multicenter Trial
American Journal of Respiratory and Critical Care Medicine 2010; 182: 910-917

Morrow L, Kollef M, Casale T
Probiotic Prophylaxis of Ventilator-associated Pneumonia: A Blinded, Randomized, Controlled Trial
American Journal of Respiratory and Critical Care Medicine 2010; 182: 1058-1064

Nguile-Makao M, Zahar J, Français A et al
Attributable Mortality of Ventilator-Associated Pneumonia: Respective Impact of Main Characteristics at ICU Admission and VAP Onset Using Conditional Logistic Regression and Multi-State Models
Intensive Care Medicine 2010; 36(5): 781-789

Rello J, Lode H, Cornaglia G et al
A European Care Bundle for Prevention of Ventilator-Associated Pneumonia
Intensive Care Medicine 2010; 36(5): 773-780

Tejerina E, Esteban A, Fernández-Segoviano P et al
Accuracy of Clinical Definitions of Ventilator-Associated Pneumonia: Comparison with Autopsy Findings
Journal of Critical Care 2010; 25(1): 62-68

Terragni PR, Antonelli M, Fumagalli R et al
Early Versus Late Tracheotomy for Prevention of Pneumonia in Mechanically Ventilated Adult Intensive Care Patients: A Randomised Controlled Trial
Journal of the American Medical Association 2010; 30(15): 1483-1489

Weaning

Burns SM, Fisher C, Tribble SS et al
Multifactor Clinical Score and Outcome of Mechanical Ventilation Weaning Trials: Burns Wean Assessment Program
American Journal of Critical Care 2010; 19(5): 431-439

Cabello B, Thille A, Roche-Campo F et al
Physiological Comparison of Three Spontaneous Breathing Trials in Difficult-To-Wean Patients
Intensive Care Medicine 2010; 36(7): 1171-1179

Cader SA, de Souza Vale RG, Castro JC et al
Inspiratory Muscle Training Improves Maximal Inspiratory Pressure and May Assist Weaning in Older Intubated Patients: A Randomised Trial
Journal of Physiotherapy 2010; 56(3): 171-178

Jubran A, Lawm G, Duffner L et al
Post-Traumatic Stress Disorder After Weaning From Prolonged Mechanical Ventilation
Intensive Care Medicine 2010; 36(12): 2030-2037

Jubran A, Lawm G, Kelly J et al
Depressive Disorders During Weaning From Prolonged Mechanical Ventilation
Intensive Care Medicine 2010; 36(5): 828-835

Monaco F, Drummond G, Ramsay P et al
Do Simple Ventilation and Gas Exchange Measurements Predict Early Successful Weaning From Respiratory Support in Unselected General Intensive Care Patients?
British Journal of Anaesthesia 2010; 105(3): 326-333

Papaioannou V, Dragoumanis C, Pneumatikos I
Biosignal Analysis Techniques for Weaning Outcome Assessment
Journal of Critical Care 2010; 25(1): 39-46

Exercise, Exercise Testing and Physical Activity

Ayabe M, Brubaker PH, Mori Y et al
Self-Monitoring Moderate-Vigorous Physical Activity Versus Steps/Day Is More Effective in Chronic Disease Exercise Programs
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(2):111-115

Cecchini M, Sassi F, Lauer JA et al
Tackling of Unhealthy Diets, Physical Inactivity, and Obesity: Health Effects and Cost-Effectiveness
The Lancet 2010; 376(9754): 1775-1784

Du H, Davidson PM, Everett B et al
Assessment of a Self-administered Adapted 6-Minute Walk Test
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(2):116-120

Kemi O, Wisløff U
High-Intensity Aerobic Exercise Training Improves the Heart in Health and Disease
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(1): 2-11

Keteyian S, Brawner C, Ehrman J et al
Reproducibility of Peak Oxygen Uptake and Other Cardiopulmonary Exercise Parameters: Implications for Clinical Trials and Clinical Practice
Chest 2010; 138(4): 950-5

Keyser RE, Rus V, Mikdashi JA et al
Exploratory Study on Oxygen Consumption On-Kinetics During Treadmill Walking in Women With Systemic Lupus Erythematosus
Archives of Physical Medicine and Rehabilitation 2010; 91(9): 1402-1409

Lee I, Djousse L, Sesso HD et al
Physical Activity and Weight Gain Prevention
Journal of the American Medical Association 2010; 303(12): 1173-1179

Mainguy V, Maltais F, Saey D et al
Effects of a Rehabilitation Program on Skeletal Muscle Function in Idiopathic Pulmonary Arterial Hypertension
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(5): 319-323

Mourot L, Boussuges A, Maunier S et al
Cardiovascular Rehabilitation in Patients With Diabetes
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(3): 157-164

O'Dwyer C, Coote S
A Guide for Clinicians – Physical Activity and Energy Expenditure Explained
Physical Therapy Reviews 2010; 15(5): 382-390

Terziyski K, Marinov B, Hodgev V et al
Standardized Peak Exercise Perception Score: Validation of a New Index of Effort Perception
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(1): 40-46

Tueller C, Kern L, Azzola A et al
Six-Minute Walk Test Enhanced by Mobile Telemetric Cardiopulmonary Monitoring
Respiration 2010; 80(5): 410-418

H1N1 (Paediatrics and adults)

Farias J, Fernández A, Monteverde E et al
Critically Ill Infants and Children with Influenza A (H1N1) in Paediatric Intensive Care Units in Argentina
Intensive Care Medicine 2010; 36(6): 1015-1022

Mauad T, Hajjar L, Callegari G et al
Lung Pathology in Fatal Novel Human Influenza A (H1N1) Infection
American Journal of Respiratory and Critical Care Medicine 2010; 181: 72-79

Patel M, Dennis A, Flutter C et al
Editor's Choice: Pandemic (H1N1) 2009 Influenza
British Journal of Anaesthesia 2010; 104(2): 128-142

Roch A, Lepaul-Ercole R, Grisoli D et al
Extracorporeal Membrane Oxygenation for Severe Influenza A (H1N1) Acute Respiratory Distress Syndrome: A Prospective Observational Comparative Study
Intensive Care Medicine 2010; 36(11): 1899-1905

Sachedina N, Donaldson LJ
Paediatric Mortality Related to Pandemic Influenza A H1N1 Infection in England: An Observational Population-Based Study
The Lancet 2010; 376(9755): 1846-1852

Sprung C, Zimmerman J, Christian M et al
Recommendations for Intensive Care Unit and Hospital Preparations for an Influenza Epidemic or Mass Disaster: Summary Report of the European Society of Intensive Care Medicine's Task Force for Intensive Care Unit Triage During an Influenza Epidemic or Mass Disaster
Intensive Care Medicine 2010; 36(3): 428-443

HIV

Gingo M, George M, Kessinger C et al
Pulmonary Function Abnormalities in HIV-Infected Patients during the Current Antiretroviral Therapy Era
American Journal of Respiratory and Critical Care Medicine 2010; 182: 790-796

Lung Disease

Aspergillus

Grech R
Aspergilloma
New England Journal of Medicine 2010; 362(11): 1030

Asthma

Bougault V, Turmel J, Boulet L et al
Bronchial Challenges and Respiratory Symptoms in Elite Swimmers and Winter Sport Athletes: Airways Hyperresponsiveness in Asthma: Its Measurement and Clinical Significance
Chest 2010; 138(2 suppl): 31S-37S

Brannan J
Bronchial Hyperresponsiveness in the Assessment of Asthma Control: Airway Hyperresponsiveness in Asthma: Its Measurement and Clinical Significance
Chest 2010; 138(2 suppl): 11S-17S

Daviskas E, Anderson SD, Eberl S et al
Beneficial Effect of Inhaled Mannitol and Cough in Asthmatics With Mucociliary Dysfunction
Respiratory Medicine 2010; 104: 1645-1653

Lazarus SC
Emergency Treatment of Asthma
New England Journal of Medicine 2010; 363(8): 755-64

Lincourt W, Stanford R, Gilsenan A et al
Assessing Primary Care Physician's Beliefs and Attitudes of Asthma Exacerbation Treatment and Follow-Up
Open Respiratory Medicine Journal 2010; 4: 9-14

Mannam P, Siegel MD
Analytic Review: Management of Life-Threatening Asthma in Adults
Journal of Intensive Care Medicine 2010; 25: 3-15

Moffatt MF, Gut I, Demenais F et al
A Large-Scale, Consortium-Based Genomewide Association Study of Asthma
New England Journal of Medicine 2010; 363(13): 1211-21

Murphy D, O'Byrne P
Recent Advances in the Pathophysiology of Asthma
Chest 2010; 137(6): 1417-26

Nokela M, Arnlind MH, Ehlers P et al
The Influence of Structured Information and Monitoring on the Outcome of Asthma Treatment in Primary Care: A Cluster Randomized Study
Respiration 2010; 79(5): 388-394

Peters SP, Kunselman SJ, Icitovic N et al
Tiotropium Bromide Step-Up Therapy for Adults With Uncontrolled Asthma
New England Journal of Medicine 2010; 363(18): 1715-26

Romero KJ, Trujillo MH
Spontaneous Pneumomediastinum and Subcutaneous Emphysema in Asthma Exacerbation: The Macklin effect
Heart and Lung 2010; 39(5): 444-447

Sutherland E, Goleva E, Jackson L et al
Vitamin D Levels, Lung Function, and Steroid Response in Adult Asthma
American Journal of Respiratory and Critical Care Medicine 2010; 181: 699-704

Takeda T, Oga T, Niimi A et al
Relationship Between Small Airway Function and Health Status, Dyspnoea and Disease Control in Asthma
Respiration 2010; 80(2): 120-126

Bronchiectasis

Daviskas E, Anderson SD, Young IH
Effect of Mannitol and Repetitive Coughing on the Sputum Properties in Bronchiectasis
Respiratory Medicine 2010; 104: 371-377

Finklea JD, Khan G, Thomas S et al
Predictors of Mortality in Hospitalized Patients with Acute Exacerbation of Bronchiectasis
Respiratory Medicine 2010; 104: 816-821

Naraparaju S, Vaishali K, Venkatesan P et al
A Comparison of the Acapella and a Threshold Inspiratory Muscle Trainer for Sputum Clearance in Bronchiectasis- A Pilot Study
Physiotherapy Theory and Practice 2010; 26(6): 353-357

Pasteur MC, Bilton D, Hill AT
British Thoracic Society Guideline for Non-CF Bronchiectasis
Thorax 2010; 65: 577

Phua J, Ang Y, See K et al
Non-Invasive and Invasive Ventilation in Acute Respiratory Failure Associated With Bronchiectasis
Intensive Care Medicine 2010; 36(4): 638-647

COPD

Abad-Corpa E, Carrillo-Alcaraz A, Royo-Morales T et al
Effectiveness of Planning Hospital Discharge and Follow-Up in Primary Care for Patients With Chronic Obstructive Pulmonary Disease: Research Protocol
Journal of Advanced Nursing 2010; 66(6): 1365-1370

Austin M, Wills K, Blizzard L et al
Effect of High Flow Oxygen on Mortality in Chronic Obstructive Pulmonary Disease patients in Pre Hospital Setting: Randomised Controlled Trial
BMJ 2010; 341: c5462

Barnes PJ
Inhaled Corticosteroids in COPD: A Controversy
Respiration 2010; 80(2): 89-95

Barr RG, Bluemke DA, Ahmed FS et al
Percent Emphysema, Airflow Obstruction, and Impaired Left Ventricular Filling
New England Journal of Medicine 2010; 362(3): 217-27

Benton MJ, Wagner CL, Alexander JL
Relationship Between Body Mass Index, Nutrition, Strength, and Function in Elderly Individuals With Chronic Obstructive Pulmonary Disease
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(4): 260-263

Benzo RP, Chang CH, Farrell MH et al
Physical Activity, Health Status and Risk of Hospitalization in Patients with Severe Chronic Obstructive Pulmonary Disease
Respiration 2010; 80(1): 10-18

Bustamante V, Lopez de Santa Mari E, Gorostiza A et al
Muscle Training with Repetitive Magnetic Stimulation of the Quadriceps in Severe COPD Patients
Respiratory Medicine 2010; 104: 237-245

Collop N
Sleep and Sleep Disorders in Chronic Obstructive Pulmonary Disease
Respiration 2010; 80(1): 78-86

Dernaika TA, Beavin M, Kinasewitz GT
Iloprost Improves Gas Exchange and Exercise Tolerance in Patients with Pulmonary Hypertension and Chronic Obstructive Pulmonary Disease
Respiration 2010; 79(5): 377-382

Donohue J, Fogarty C, Lötvald J et al
Once-Daily Bronchodilators for Chronic Obstructive Pulmonary Disease: Indacaterol Versus Tiotropium
American Journal of Respiratory and Critical Care Medicine 2010; 182: 155-162

Dreher M, Storre JH, Schmoor C et al
High-Intensity Versus Low-Intensity Non-Invasive Ventilation in Patients with Stable Hypercapnic COPD: A Randomised Crossover Trial
Thorax 2010; 65: 303-308

Duranti R
Long-Term Treatment with Macrolides – Light in the Darkness of COPD Therapy?
Respiration 2010; 80(6): 441-442

Eisner M, Anthonisen N, Coultas D et al on behalf of the Environmental and Occupational Health Assembly Committee on Non-smoking COPD
An Official American Thoracic Society Public Policy Statement: Novel Risk Factors and the Global Burden of Chronic Obstructive Pulmonary Disease
American Journal of Respiratory and Critical Care Medicine 2010; 182: 693-718

Eisner MD, Blanc PD, Yelin EH et al
Chronic Obstructive Pulmonary Disease: Influence of Anxiety on Health Outcomes in COPD
Thorax 2010; 65: 229-234

Farkas J, Kosnik M, Flezar M et al
Self Rated Health Predicts Acute Exacerbations and Hospitalisations in Patients With COPD
Chest 2010; 138(2): 323-30

Foresi A, Olivieri D
Controversies in Pharmacological Treatment of COPD: Introduction
Respiration 2010; 80(1): 1-2

Hill K, Cecins NM, Eastwood PR et al
Inspiratory Muscle Training for Patients With Chronic Obstructive Pulmonary Disease: A Practical Guide for Clinicians
Archives of Physical Medicine and Rehabilitation 2010; 91(9): 1466-1470

Hurst JR, Vestbo J, Anzueto A et al
Susceptibility to Exacerbation in Chronic Obstructive Pulmonary Disease
New England Journal of Medicine 2010; 363(12): 1128-38

Hutchinson A, Thompson M, Brand C
Community Care Assessment of Exacerbations of Chronic Obstructive Pulmonary Disease
Journal of Advanced Nursing 2010; 66(11): 2490-2499

Kruis AL, van Adrichem J, Erkelens MR et al
Sustained Effects of Integrated COPD Management on Health Status and Exercise Capacity in Primary Care Patients
International Journal of Chronic Obstructive Pulmonary Disease 2010; 5: 407-13

Lareau SC, Yawn BP
Improving Adherence With Inhaler Therapy in COPD
International Journal of Chronic Obstructive Pulmonary Disease 2010; 5: 401-6

Leuppi JD, Miedinger D, Chhajed PN et al
Quality of Spirometry in Primary Care for Case Finding of Airway Obstruction in Smokers
Respiration 2010; 79(6): 469-474

Lohne V, Drangsholt Heer HC, Andersen M et al
Qualitative Study of Pain of Patients With Chronic Obstructive Pulmonary Disease
Heart and Lung 2010; 39(3): 226-234

Macklem PT
Therapeutic Implications of the Pathophysiology of COPD
European Respiratory Journal 2010; 35: 676-680

Michele TM, Pinheiro S, Iyasu S
The Safety of Tiotropium- The FDA's Conclusions
New England Journal of Medicine 2010; 363(12): 1097-99

Manzar N, Haque A, Manzar B, Irfan M
The Efficacy of Spirometry as a Screening Tool in Detection of Air Flow Obstruction
Open Respiratory Medicine Journal 2010; 4: 71-75

Marin J, Soriano J, Carrizo S et al
Outcomes in Patients with Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnoea: The Overlap Syndrome
American Journal of Respiratory and Critical Care Medicine 2010; 182: 325-331

Monz BU, Sachs P, McDonald J et al
Responsiveness of the Cough and Sputum Assessment Questionnaire in Exacerbations of COPD and Chronic Bronchitis
Respiratory Medicine 2010; 104: 534-541

Niewoehner DE
Outpatient Management of Severe COPD
New England Journal of Medicine 2010; 362(15): 1407-16

Osthoff M, Leuppi JD
Management of Chronic Obstructive Pulmonary Disease Patients after Hospitalization for Acute Exacerbation
Respiration 2010; 79(3): 255-261

Partridge MR, Miravittles M, Ståhl E et al
Development and Validation of the Capacity of Daily Living during the Morning Questionnaire and the Global Chest Symptoms Questionnaire in COPD
European Respiratory Journal 2010; 36: 96-104

Poole P, Black PN
Mucolytic Agents for Chronic Bronchitis or Chronic Obstructive Pulmonary Disease
Cochrane Database of Systematic Reviews 2010; Issue 2 UK
DOI: 10.1002/14651858.CD001287.pub3 2010

Rea H, McAuley S, Jayaram L et al
The Clinical Utility of Long-Term Humidification Therapy in Chronic Airway Disease
Respiratory Medicine 2010; 104: 525-533

Rothberg MB, Pekow PS, Lahti M et al
Antibiotic Therapy and Treatment Failure in Patients Hospitalized for Acute Exacerbations of Chronic Obstructive Pulmonary Disease
Journal of the American Medical Association 2010; 303(20): 2035-2042

Ryan S, Doherty LS, Rock C et al
Effects of Salmeterol on Sleeping Oxygen Saturation in Chronic Obstructive Pulmonary Disease
Respiration 2010; 79(6): 475-481

Sciurba FC, Ernst A, Herth FJ et al
A Randomized Study of Endobronchial Valves for Advanced Emphysema
New England Journal of Medicine 2010; 363(13): 1233-44

Singh S, Loke YK
An Overview of the Benefits and Drawbacks of Inhaled Corticosteroids in Chronic Obstructive Pulmonary Disease
International Journal of Chronic Obstructive Pulmonary Disease 2010; 5: 189-95

Snijders D, van der Eerden M, de Graaff C et al
The Influence of COPD on Mortality and Severity Scoring in Community-Acquired Pneumonia
Respiration 2010; 79(1): 46-53

Stoller J, Panos R, Krachman S et al
Oxygen Therapy for Patients with COPD: Current Evidence and the Long-Term Oxygen Treatment Trial
Chest 2010; 138(1): 179-87

Tang CY, Taylor NF, Blackstock FC
Chest Physiotherapy for Patients Admitted to Hospital with an Acute Exacerbation of Chronic Obstructive Pulmonary Disease (COPD): A Systematic Review
Physiotherapy 2010; 96(1): 1-13

Thakur N, Blanc PD, Julian LJ et al
COPD and Cognitive Impairment: The Role of Hypoxemia and Oxygen Therapy
International Journal of Chronic Obstructive Pulmonary Disease 2010; 5: 263-9

Thomas MJ, Simpson J, Riley R, Grant E
The Impact of Home-Based Physiotherapy Interventions on Breathlessness During Activities of Daily Living in Severe COPD: A Systematic Review
Physiotherapy 2010; 96(2): 108-119

Troosters T, Celli B, Lystig T et al
Tiotropium as a First Maintenance Drug in COPD: Secondary Analysis of the UPLIFT® Trial
European Respiratory Journal 2010; 36: 65-73

Troosters T, Probst V, Crul T et al
Resistance Training Prevents Deterioration in Quadriceps Muscle Function During Acute Exacerbations of Chronic Obstructive Pulmonary Disease
American Journal of Respiratory and Critical Care Medicine 2010; 181: 1072-1077

Valente S, Pasciuto G, Bernabei R et al
Do We Need Different Treatments for Very Elderly COPD Patients?
Respiration 2010; 80(5): 357-368

van Wetering CR, Hoogendoorn M, Mol SJ et al
Chronic Obstructive Pulmonary Disease: Short- and Long-Term Efficacy of a Community-Based COPD Management Programme in Less Advanced COPD: A Randomised Controlled Trial
Thorax 2010; 65: 7-13

Verhage TL, Vercoulen JH, van Helvoort HAC et al
Maximal Exercise Capacity in Chronic Obstructive Pulmonary Disease: A Limited Indicator of the Health Status
Respiration 2010; 80(6): 453-462

Warwick M, Gallagher R, Chenoweth L et al
Self-Management and Symptom Monitoring Among Older Adults with Chronic Obstructive Pulmonary Disease
Journal of Advanced Nursing 2010; 66 (4): 784-793

Winkelman C
Investigating Activity in Hospitalized Patients with Chronic Obstructive Pulmonary Disease: A Pilot Study
Heart and Lung 2010; 39(4): 319-330

Yorke J, Moosavi AH, Shuldham C et al
Chronic Obstructive Pulmonary Disease: Quantification of Dyspnoea Using Descriptors: Development and Initial Testing of the Dyspnoea-12
Thorax 2010; 65: 21-26

Zhou Y, Hu G, Wang D et al
Community Based Integrated Intervention for Prevention and Management of Chronic Obstructive Pulmonary Disease (COPD) in Guangdong, China: Cluster Randomised Controlled Trial
BMJ 2010; 341: c6387

Cystic Fibrosis (paediatrics and adults)

Accurso FJ, Rowe SM, Clancy JP et al
Effect of VX-770 in Persons with Cystic Fibrosis and the G551D-CFTR Mutation
New England Journal of Medicine 2010; 363(21): 1991-2003

Amin R, Subbarao P, Jabar A et al
Hypertonic Saline Improves the LCI in Paediatric Patients with CF with Normal Lung Function
Thorax 2010; 65: 379-383

Bradley JM
High Frequency Chest Wall Oscillation in Cystic Fibrosis
Thorax 2010; 65:189-190

Bradley JM, Kent L, Elborn SJ, O'Neill B
Motion Sensors for Monitoring Physical Activity in Cystic Fibrosis: What is the Next Step?
Physical Therapy Reviews 2010; 15(3): 197-203

Dziuban E, Saab-Abazeed L, Chaudhry S et al
Identifying Barriers to Treatment Adherence and Related Attitudinal Patterns in Adolescents with Cystic Fibrosis
Pediatric Pulmonology 2010; 45(5): 450-458

Efrati O, Bylin I, Segal E et al
Outcome of Patients with Cystic Fibrosis Admitted to the Intensive Care Unit: Is Invasive Mechanical Ventilation a Risk Factor for Death in Patients Waiting Lung Transplantation?
Heart and Lung 2010; 39(2): 153-159

Flume P, Mogayzel P, Robinson K et al: The Clinical Practice Guidelines for Pulmonary Therapies Committee
Cystic Fibrosis Pulmonary Guidelines: Pulmonary Complications: Haemoptysis and Pneumothorax
American Journal of Respiratory and Critical Care Medicine 2010; 182: 298-306

Fuchs S, Toussaint S, Edlhaime B et al
Short-Term Effect of Physiotherapy on Variability of the Lung Clearance Index in Children with Cystic Fibrosis
Pediatric Pulmonology 2010; 45(3): 301-306

Griese M, Busch P, Caroli D et al
Rehabilitation Programs for Cystic Fibrosis – View from a CF Centre
Open Respiratory Medicine Journal 2010; 4: 1-8

Gruet M, Brisswalter J, Mely L et al
Use of the Peak Heart Rate Reached During Six-Minute Walk Test to Predict Individualized Training Intensity in Patients With Cystic Fibrosis: Validity and Reliability
Archives of Physical Medicine and Rehabilitation 2010; 91(4): 602-607

Hebestreit H, Kieser S, Junge S et al
Long-term Effects of a Partially Supervised Conditioning Programme in Cystic Fibrosis
European Respiratory Journal 2010; 35: 578-583

Kieninger E, Regamey N
Targeting Inflammation in Cystic Fibrosis
Respiration 2010; 79(3): 189-190

McCormick J, Mehta G, Olesen HV et al
Comparative Demographics of the European Cystic Fibrosis population: A Cross-Sectional Database Analysis
The Lancet 2010; 375(9719): 1007-1013

McIlwaine M, Wong L, Chilvers M et al
Long-Term Comparative Trial of Two Different Physiotherapy Techniques; Postural Drainage with Percussion and Autogenic Drainage, in the Treatment of Cystic Fibrosis
Pediatric Pulmonology 2010; 45(11): 1064-1069

Moeller A, Stämpfli S, Rueckert B et al
Effects of a Short-Term Rehabilitation Program on Airway Inflammation in Children with Cystic Fibrosis
Pediatric Pulmonology 2010; 45(6): 451-551

Nick J, Chacon C, Brayshaw S et al
Effects of Gender and Age at Diagnosis on Disease Progression in Long-term Survivors of Cystic Fibrosis
American Journal of Respiratory and Critical Care Medicine 2010; 182: 614-626

Osman LP, Roughton M, Hodson ME et al
Short-Term Comparative Study of High Frequency Chest Wall Oscillation and European Airway Clearance Techniques in Patients with Cystic Fibrosis
Thorax 2010; 65: 196-200

Robinson KA, Mckoy N, Saldanha I et al
Active Cycle of Breathing Technique for Cystic Fibrosis
Cochrane Database of Systematic Reviews 2010; Issue 11 UK
DOI: 10.1002/14651858.CD0078.2010

Sanders D, Bittner R, Rosenfeld M et al
Failure to Recover to Baseline Pulmonary Function after Cystic Fibrosis Pulmonary Exacerbation
American Journal of Respiratory and Critical Care Medicine 2010; 182: 627-632

Smith B, Modi A, Quittner A et al
Depressive Symptoms in Children with Cystic Fibrosis and Parents and its Effects on Adherence to Airway Clearance
Pediatric Pulmonology 2010; 45(8): 756-763

Sontag M, Quittner A, Modi A et al
Lessons Learned from a Randomized Trial of Airway Secretion Clearance Techniques in Cystic Fibrosis
Pediatric Pulmonology 2010; 45(3): 291-300

Treacy K
High Frequency Chest Wall Oscillation to Augment Airway Clearance in a CF Patient With Copious Secretions Requiring Intensive Physiotherapy: A Case Study.
Journal of the ACPRC 2010; 42: 22-7

West K, Wallen M, Follett J
Acapella Versus PEP Mask Therapy: A Randomized Trial in Children With Cystic Fibrosis During Respiratory Exacerbation
Physiotherapy Theory and Practice 2010; 26(3): 143-149

Interstitial Lung Disease & Pneumonia

Cecere LM, Rubenfeld GD, Park DR et al
Long-Term Survival after Hospitalization for Community-Acquired and Healthcare-Associated Pneumonia
Respiration 2010; 79(2): 128-136

Mollica C, Paone G, Conti V et al
Mechanical Ventilation in Patients with End-Stage Idiopathic Pulmonary Fibrosis
Respiration 2010; 79(3): 209-215

Neupane B, Jerrett M, Burnett R et al
Long-Term Exposure to Ambient Air Pollution and Risk of Hospitalization with Community-acquired Pneumonia in Older Adults
American Journal of Respiratory and Critical Care Medicine 2010; 181: 47-53

Oare Lindell K, Olshansky E, Song M et al
Impact of a Disease-Management Program on Symptom Burden and Health-Related Quality of Life in Patients with Idiopathic Pulmonary Fibrosis and Their Care Partners
Heart and Lung 2010; 39(4): 304-313

Quadrelli S, Molinari L, Ciallella L et al
Radiological Versus Histopathological Diagnosis of Usual Interstitial Pneumonia in the Clinical Practice: Does It have Any Survival Difference?
Respiration 2010; 79(1): 32-37

The Idiopathic Pulmonary Fibrosis Clinical Research Network
A Controlled Trial of Sildenafil in Advanced Idiopathic Pulmonary Fibrosis
New England Journal of Medicine 2010; 363(7): 620-8

Yang M, Yan Y, Yin X et al
Chest Physiotherapy for Pneumonia in Adults
Cochrane Database of Systematic Reviews 2010; Issue 2
DOI: 10.1002/2010

Lung Cancer

Cykert S, Dilworth-Anderson P, Monroe MH et al
Factors Associated with Decisions to Undergo Surgery Among Patients with Newly Diagnosed Early-Stage Lung Cancer
Journal of the American Medical Association 2010; 303(23): 2368-2376

Temel JS, Greer JA, Muzikansky A et al
Early Palliative Care for Patients with Metastatic Non-Small-Cell Lung Cancer
New England Journal of Medicine 2010; 363(8): 733-42

Pulmonary Rehabilitation, Exercise and Activity

Beauchamp MK, O'Hoski S, Goldstein RS et al
Effect of Pulmonary Rehabilitation on Balance in Persons With Chronic Obstructive Pulmonary Disease
Archives of Physical Medicine and Rehabilitation 2010; 91(9): 1460-1465

Berry MJ, Rejeski WJ, Miller ME et al
A Lifestyle Activity Intervention in Patients With Chronic Obstructive Pulmonary Disease
Respiratory Medicine 2010; 104: 829-839

Bratas O, Espnes GA, Rannestad T et al
Characteristics of Patients with Chronic Obstructive Pulmonary Disease Choosing Rehabilitation
Journal of Rehabilitation Medicine 2010; 42: 362-367

Cohen MD, Cutaia M
A Novel Approach to Measuring Activity in Chronic Obstructive Pulmonary Disease: Using Two Activity Monitors to Classify Daily Activity
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(3): 186-194

Cooper CB, Abrazado M, Legg D et al
Development and Implementation of Treadmill Exercise Testing Protocols in COPD
International Journal of Chronic Obstructive Pulmonary Disease 2010; 5: 375-85

Corner E, Garrod R
Does the Addition of Non-Invasive Ventilation During Pulmonary Rehabilitation in Patients With Chronic Obstructive Pulmonary Disease Augment Patient Outcome in Exercise Tolerance? A Literature Review
Physiotherapy Research International 2010; 15(1): 5-15

Enfield K, Gammon S, Floyd J et al
Six-Minute Walk Distance in Patients With Severe End-Stage COPD: Association With Survival After Inpatient Pulmonary Rehabilitation
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(3): 195-202

Furlanetto KC, Bisca GW, Oldenberg N et al
Step Counting and Energy Expenditure Estimation in Patients With Chronic Obstructive Pulmonary Disease and Healthy Elderly: Accuracy of 2 Motion Sensors
Archives of Physical Medicine and Rehabilitation 2010; 91(2): 261-267

Garvey C
Interstitial Lung Disease and Pulmonary Rehabilitation
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(3): 141-146

Holland AE, Hill CJ, Rasekaba T et al
Updating the Minimal Important Difference for Six-Minute Walk Distance in Patients With Chronic Obstructive Pulmonary Disease
Archives of Physical Medicine and Rehabilitation 2010; 91(2): 221-225

Jette D, Bourgeois M, Buchbinder R
Pulmonary Rehabilitation Following Acute Exacerbation of Chronic Obstructive Pulmonary Disease
Physical Therapy 2010; 90(1): 9-12

Johnson K, Grimmer-Comers K
Pulmonary Rehabilitation: Overwhelming Evidence but Lost in Translation
Physiotherapy Canada 2010; 62(4): 368-373

Leung RW, Alison JA, McKeeough ZJ et al
Ground Walking Training Improves Functional Exercise Capacity More Than Cycle Training in People With Chronic Obstructive Pulmonary Disease (COPD): A Randomised Trial
Journal of Physiotherapy 2010; 56(2): 105-112

Liddell F, Webber J
Pulmonary Rehabilitation for Chronic Obstructive Pulmonary Disease: A Pilot Study Evaluating a Once-Weekly Versus Twice-Weekly Supervised Programme
Physiotherapy 2010; 96(1): 68-74

Padkao T, Boonsawat W, Jones CU
Conical-PEP is Safe, Reduces Lung Hyperinflation and Contributes to Improved Exercise Endurance in Patients With COPD: A Randomised Cross Over Trial
Journal of Physiotherapy 2010; 56(1): 33-40

Pasqua F, Biscione G, Crigna G et al
Combining Triple Therapy and Pulmonary Rehabilitation in Patients With Advanced COPD: A Pilot Study
Respiratory Medicine 2010; 104: 412-417

Ringbaek T, Brøndum E, Martinez G et al
Long-Term Effects of 1-Year Maintenance Training on Physical Functioning and Health Status in Patients With COPD: A Randomized Controlled Study
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(1): 47-52

Ringbæk T, Martinez G, Brøndum E et al
Shuttle Walking Test as Predictor of Survival in Chronic Obstructive Pulmonary Disease Patients Enrolled in a Rehabilitation Program
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(6): 409-414

Riog M, Eng J, MacIntyre D et al
Associations of the Stair Climb Power Test With Muscle Strength and Functional Performance in People With Chronic Obstructive Pulmonary Disease: A Cross-Sectional Study
Physical Therapy 2010; 90(12): 1774-1782

Scorsone D, Bartolini S, Saporiti R et al
Does a Low-Density Gas Mixture or Oxygen Supplementation Improve Exercise Training in COPD?
Chest 2010; 138(5): 1133-9

Sewell L, Singh SJ, Williams JE
Seasonal Variations Affect Physical Activity and Pulmonary Rehabilitation Outcomes
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(5): 329-333

Seymour JM, Moore L, Jolley C et al
Outpatient Pulmonary Rehabilitation Following Acute Exacerbations of COPD
Thorax 2010; 65: 423-428

Spencer LM, Alison JA, McKeough ZJ
Maintaining Benefits Following Pulmonary Rehabilitation: A Randomised Controlled Trial
European Respiratory Journal 2010; 35: 571-577

Steele BG, Belza B, Cain K et al
The Impact of Chronic Obstructive Pulmonary Disease Exacerbation on Pulmonary Rehabilitation Participation and Functional Outcomes
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(1): 53-60

Sundararajan L, Balami J, Packham S
Effectiveness of Outpatient Pulmonary Rehabilitation in Elderly Patients With Chronic Obstructive Pulmonary Disease
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(2): 121-125

Van der Vlist J, Janssen TW
The Potential Anti-Inflammatory Effect of Exercise in Chronic Obstructive Pulmonary Disease
Respiration 2010; 79(2): 160-174

Velasco R, Pirraglia PA, Casserly B et al
Influence of Body Mass Index on Changes in Disease-Specific Quality of Life of Veterans Completing Pulmonary Rehabilitation
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(5): 334-339

Wong R, Sibley KM, Hudani M et al
Characteristics of People With Chronic Lung Disease Who Rest During the Six-Minute Walk Test
Archives of Physical Medicine and Rehabilitation 2010; 91(11): 1765-1769

Sarcoidosis

Elfferich MD, Nelemans PJ, Ponds RW et al
Everyday Cognitive Failure in Sarcoidosis: The Prevalence and the Effect of Anti-TNF- α Treatment
Respiration 2010; 80(3): 212-219

Miscellaneous

Agnelli G, Becattini C
Current Concepts: Acute Pulmonary Embolism
New England Journal of Medicine 2010; 363(3): 266-74

Ben-Chetrit E, Merin O
Spontaneous Tension Pneumothorax
New England Journal of Medicine 2010; 362(12): e43

Chen P-H, Lin X-Z
Hydropneumothorax
New England Journal of Medicine 2010; 362(3): e9

Geneau R, Stuckler D, Stachenko S et al
Raising the Priority of Preventing Chronic Diseases: A Political Process
The Lancet 2010; 376(9753): 1689-1698

Gilbert HM, Haworth CS, Wat DS et al
Airway Clearance in Bronchomalacia With Chronic Cough Suppression
Journal of the ACPRC 2010; 42: 28-31

Kelesidis T, Osman S, Trayner E et al
Tracheobronchitis Caused by Methicillin-Resistant Staphylococcus Aureus as a Cause of Chronic Wheezing in a Non-Ventilated Adult Patient with Tracheobronchomalacia
Respiration 2010; 80(2): 148-156

Morris M, Christopher K
Diagnostic Criteria for the Classification of Vocal Cord Dysfunction
Chest 2010; 138(5): 1213-23

Parsons JP, Benninger C, Hawley MP et al
Vocal Cord Dysfunction: Beyond Severe Asthma
Respiratory Medicine 2010; 104: 504-509

Rees DC, Williams TN, Gladwin MT
Sickle-Cell Disease
The Lancet 2010; 376(9757): 2018-2031

Samb B, Desai N, Nishtar S et al
Prevention and Management of Chronic Disease: a Litmus Test for Health-Systems Strengthening in Low-Income and Middle-Income Countries
The Lancet 2010; 376(9754): 1785-1797

Smith B, Fields C, Fernandez N
Physical Therapists Make Accurate and Appropriate Discharge Recommendations for Patients Who Are Acutely Ill
Physical Therapy 2010; 90(5): 693-703

Neurology

Muller T, Muhlack S
Effect of Exercise on Reactivity and Motor Behaviour in Patients with Parkinson's Disease
Journal of Neurology, Neurosurgery & Psychiatry 2010; 81(7): 747-53

Turner-Stokes L, Williams H, Siegert RJ
The Rehabilitation Complexity Scale version 2: A Clinimetric Evaluation in Patients With Severe Complex Neurodisability
Journal of Neurology, Neurosurgery & Psychiatry 2010; 81(2): 146-53

Brain Injury

Arabi Y, Haddad S, Tamim H et al
Mortality Reduction After Implementing a Clinical Practice Guidelines-Based Management Protocol for Severe Traumatic Brain Injury
Journal of Critical Care 2010; 25(2): 190-195

Carrera E, Schmidt JM, Fernandez L et al
Spontaneous Hyperventilation and Brain Tissue Hypoxia in Patients With Severe Brain Injury
Journal of Neurology, Neurosurgery & Psychiatry 2010; 81(7): 793-7

Neuromuscular

Dreyer P, Steffensen B, Pedersen B
Life With Home Mechanical Ventilation for Young Men with Duchenne Muscular Dystrophy
Journal of Advanced Nursing 2010; 66(4): 753-762

King W, Kissel JT, Montes J et al
Six-Minute Walk Test Demonstrates Motor Fatigue in Spinal Muscular Atrophy
Neurology 2010; 75(12): 1121-2; author reply 1122

Yoshii Y, Hadano S, Otomo A et al
Lower Serum Lipid Levels are Related to Respiratory Impairments in Patients With ALS
Neurology 2010; 74(24): 2027-2028

Neurosurgery

Chan LY, Jones AY, Chung RC, Hung KN
Peak Flow Rate During Induced Cough: A Predictor of Successful Decannulation of a Tracheotomy Tube in Neurosurgical Patients
American Journal of Critical Care 2010; 19(3): 278-284

Spinal Cord Injury

Berlowitz D, Tamplin J
Respiratory Muscle Training for Cervical Spinal Cord Injury
Cochrane Database of Systematic Reviews - Protocols 2010; UK DOI: 10.1002/14651858.CD008507.2010

Hagen EM, Lie SA, Rekan T et al
Mortality After Traumatic Spinal Cord Injury: 50 Years of Follow-Up
Journal of Neurology, Neurosurgery & Psychiatry 2010; 81(4): 368-73

Roth EJ, Stenson KW, Powley S et al
Expiratory Muscle Training in Spinal Cord Injury: A Randomized Controlled Trial
Archives of Physical Medicine and Rehabilitation 2010; 91(6): 857-861

Stroke

Brooks D, Davis L, Vujovic-Zotovic N et al
Sleep-Disordered Breathing in Patients Enrolled in an Inpatient Stroke Rehabilitation Program
Archives of Physical Medicine and Rehabilitation 2010; 91(4): 659-662

Topakian R, Barrick TR, Howe FA et al
Blood-Brain Barrier Permeability is Increased in Normal-Appearing White Matter in Patients with Lacunar Stroke and Leucoaraiosis
Journal of Neurology, Neurosurgery & Psychiatry 2010; 81(2): 192-7

NIV, CPAP and IPPB

Banks A, Shannon H, Main E
Use of Electrical Impedance Tomography to Monitor Changes in Lung Air Content During Intermittent Positive Pressure Breathing
Journal of the ACPRC 2010; 42: 4-9

Corner E, Garrod R
Does the Addition of Non-Invasive Ventilation During Pulmonary Rehabilitation in Patients with Chronic Obstructive Pulmonary Disease Augment Patient Outcome in Exercise Tolerance? A Literature Review
Physiotherapy Research International 2010; 15(1): 5-15

Cuvelier A, Achour L, Rabarimanantsoa H et al
A Non-invasive Method to Identify Ineffective Triggering in Patients with Non-invasive Pressure Support Ventilation
Respiration 2010; 80(3): 198-206

Dreher M, Kabitz H, Burgardt V et al
Proportional Assist Ventilation Improves Exercise Capacity in Patients with Obesity
Respiration 2010; 80(2): 106-111

Dreher M, Storre JH, Schmoor C et al
High-Intensity Versus Low-Intensity Non-Invasive Ventilation in Patients With Stable Hypercapnic COPD: A Randomised Crossover Trial
Thorax 2010; 65: 303-308

Fauroux B, Leroux K, Pépin J et al
Are Home Ventilators Able to Guarantee a Minimal Tidal Volume?
Intensive Care Medicine 2010; 36(6): 1008-1014

Menadue C, Alison JA, Piper AJ et al
Bi-Level Ventilation During Exercise in Acute on Chronic Respiratory Failure: A Preliminary Study
Respiratory Medicine 2010; 104: 219-227

Obstructive Sleep Apnoea

Ayalon L, Ancoli-Israel S, Drummond S
Obstructive Sleep Apnoea and Age: A Double Insult to Brain Function
American Journal of Respiratory and Critical Care Medicine 2010; 182: 413-419

Eikermann M, Garzon-Serrano J, Kwo J et al
Do Patients with Obstructive Sleep Apnoea Have an Increased Risk of Desaturation During Induction of Anaesthesia for Weight Loss Surgery?
Open Respiratory Medicine Journal 2010; 4: 58-62

Fuchs FS, Pittarelli A, Hahn EG et al
Adherence to Continuous Positive Airway Pressure Therapy for Obstructive Sleep Apnoea: Impact of Patient Education After a Longer Treatment Period
Respiration 2010; 80(1): 32-37

Kreivi H, Virkkula P, Lehto J et al
Frequency of Upper Airway Symptoms Before and During Continuous Positive Airway Pressure Treatment in Patients With Obstructive Sleep Apnoea Syndrome
Respiration 2010; 80(6): 488-494

Marin J, Soriano J, Carrizo S et al
Outcomes in Patients With Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnoea: The Overlap Syndrome
American Journal of Respiratory and Critical Care Medicine 2010; 182: 325-331

Oxygen

Abernethy AP, McDonald CF, Frith PA et al
Effect of Palliative Oxygen Versus Room Air in Relief of Breathlessness in Patients With Refractory Dyspnoea: A Double-Blind, Randomised Controlled Trial
The Lancet 2010; 376(9743): 784-793

Austin M, Wills K, Blizzard L et al
Effect of High Flow Oxygen on Mortality in Chronic Obstructive Pulmonary Disease Patients in Pre-Hospital Setting: Randomised Controlled Trial
BMJ 2010; 341: c5462

Chatterjee AB, Rissmiller RW, Meade K et al
Reproducibility of the 6-Minute Walk Test for Ambulatory Oxygen Prescription
Respiration 2010; 79(2): 121-127

Karbing D, Allerød C, Thorgaard P et al
Prospective Evaluation of a Decision Support System for Setting Inspired Oxygen in Intensive Care Patients
Journal of Critical Care 2010; 25(3): 367-374

Thakur N, Blanc PD, Julian LJ et al
COPD and Cognitive Impairment: The Role of Hypoxemia and Oxygen Therapy
International Journal of Chronic Obstructive Pulmonary Disease 2010; 5: 263-9

Scorsone D, Bartolini S, Saporiti R et al
Does a Low-Density Gas Mixture or Oxygen Supplementation Improve Exercise Training in COPD?
Chest 2010; 138(5): 1133-9

Stoller J, Panos R, Krachman S et al
Oxygen Therapy for Patients With COPD: Current Evidence and the Long-Term Oxygen Treatment Trial
Chest 2010; 138(1): 179-87

Tiruvoipati R, Lewis D, Haji K et al
High-Flow Nasal Oxygen Versus High-Flow Face Mask: A Randomized Crossover Trial in Extubated Patients
Journal of Critical Care 2010; 25(3): 463-468

Paediatrics (non-CF)

Antonelli M, Azoulay E, Bonten M et al
Year in Review in *Intensive Care Medicine* 2009. Part III: Mechanical Ventilation, Acute Lung Injury and Respiratory Distress Syndrome, Paediatrics, Ethics, and Miscellanea
Intensive Care Medicine 2010; 36(4): 567-584

Chapman S, Grocott M, Franck L
Systematic Review of Paediatric Alert Criteria for Identifying Hospitalised Children at Risk of Critical Deterioration
Intensive Care Medicine 2010; 36(4): 600-611

Cools F, Askie LM, Offringa M et al
Elective High-Frequency Oscillatory Versus Conventional Ventilation in Preterm Infants: A Systematic Review and Meta-Analysis of Individual Patients' Data
The Lancet 2010; 375(9731): 2082-2091

Farias J, Fernández A, Monteverde E et al
Critically Ill Infants and Children With Influenza A (H1N1) in Paediatric Intensive Care Units in Argentina
Intensive Care Medicine 2010; 36(6): 1015-1022

Halbertsma F, Vaneker M, Pickkers P et al
A Single Recruitment Manoeuvre in Ventilated Critically Ill Children Can Translocate Pulmonary Cytokines into the Circulation
Journal of Critical Care 2010; 25(1): 10-15

Hodges O, Zar H, Mamathuba R et al
Bilateral Partial Lung Lavage in an Infant With Pulmonary Alveolar Proteinosis
British Journal of Anaesthesia 2010; 104(2): 228-230

Jan S, Lin S, Fu Y et al
Extracorporeal Life Support for Treatment of Children With Enterovirus 71 Infection-Related Cardiopulmonary Failure
Intensive Care Medicine 2010; 36(3): 520-527

Lemanske RF, Mauger DT, Sorkness CA et al
Step-up Therapy for Children With Uncontrolled Asthma Receiving Inhaled Corticosteroids
New England Journal of Medicine 2010; 362(11): 975-85

Liet JM, Ducruet T, Gupta V et al
Heliox Inhalation Therapy for Bronchiolitis in Infants
Cochrane Database of Systematic Reviews 2010; Issue 4 UK DOI: 10 1002 /14651858 CD00 2010

Mercier J-C, Hummler H, Durrmeyer X et al
Inhaled Nitric Oxide for Prevention of Bronchopulmonary Dysplasia in Premature Babies (EUNO): A Randomised Controlled Trial
The Lancet 2010; 376(9738): 346-354

Milési C, Ferragu F, Jaber S et al
Continuous Positive Airway Pressure Ventilation With Helmet in Infants Under 1 Year
Intensive Care Medicine 2010; 36(9): 1592-1596

Naghieb S, Van der Starre C, Gischler S et al
Mortality in Very Long-Stay Paediatric Intensive Care Unit Patients and Incidence of Withdrawal of Treatment
Intensive Care Medicine 2010; 36(1): 131-136

Oduwole O, Meremikwu MM, Oyo IA et al
Honey for Acute Cough in Children
Cochrane Database of Systematic Reviews 2010; Issue 1 UK DOI: 10 1002 /14651858 CD007094 pub2 2010

Randhawa I, Nussbaum E
Not All That Wheezes Is Bronchial Asthma
New England Journal of Medicine 2010; 363(1): e1

Sachedina N, Donaldson LJ
Paediatric Mortality Related to Pandemic Influenza A H1N1 Infection in England: An Observational Population-Based Study
The Lancet 2010; 376(9755): 1846-1852

Schaible T, Hermle D, Loersch F et al
A 20-year Experience on Neonatal Extracorporeal Membrane Oxygenation in a Referral Centre
Intensive Care Medicine 2010; 36(7): 1229-1234

SUPPORT Study Group of the Eunice Kennedy Shriver NICHD Neonatal Research Network
Target Ranges of Oxygen Saturation in Extremely Preterm Infants
New England Journal of Medicine 2010; 362(21): 1959-69

SUPPORT Study Group of the Eunice Kennedy Shriver NICHD Neonatal Research Network
Early CPAP Versus Surfactant in Extremely Preterm Infants
New England Journal of Medicine 2010; 362(21): 1970-9

Tissières P, Myers P, Beghetti M et al
Surfactant Use Based on the Oxygenation Response to Lung Recruitment During HFOV in Very Low Birth Weight Infants
Intensive Care Medicine 2010; 36(7): 1164-1170

Wildschut E, Hanekamp M, Vet N et al
Feasibility of Sedation and Analgesia Interruption Following Cannulation in Neonates on Extracorporeal Membrane Oxygenation
Intensive Care Medicine 2010; 36(9): 1587-1591

Palliative Care

Abernethy AP, McDonald CF, Frith PA et al
Effect of Palliative Oxygen Versus Room Air in Relief of Breathlessness in Patients With Refractory Dyspnoea: a Double-Blind, Randomised Controlled Trial
The Lancet 2010; 376(9743): 784-793

Nelson JE, Bassett R, Boss RD et al
Models for Structuring a Clinical Initiative to Enhance Palliative Care in the Intensive Care Unit: A Report from the IPAL-ICU Project (Improving Palliative Care in the ICU)
Critical Care Medicine 2010; 38(9): 1765-1772

Temel JS, Greer JA, Muzikansky A et al
Early Palliative Care for Patients with Metastatic Non-Small-Cell Lung Cancer
New England Journal of Medicine 2010; 363(8): 733-42

Respiratory Physiology

Akkerman M, van Brussel M, Hulzebos E et al
The Oxygen Uptake Efficiency Slope: What Do We Know?
Journal of Cardiopulmonary Rehabilitation and Prevention 2010; 30(6): 357-73

Chang A, Palmer K, McNaught J et al
Inspiratory Flow Rate, Not Type of Incentive Spirometry Device, Influences Chest Wall Motion in Healthy Individuals
Physiotherapy Theory and Practice 2010; 26(6): 385-392

Fahy JV, Dickie BF
Medical Progress: Airway Mucus Function and Dysfunction
New England Journal of Medicine 2010; 363(23): 2233-47

Shannon H, Stiger R, Gregson RK et al
Effect of Chest Wall Vibration Timing on Peak Expiratory Flow and Inspiratory Pressure in a Mechanically Ventilated Lung Model
Physiotherapy 2010; 96(4): 344-349

Terzi N, Corne F, Mouadil A et al
Mouth and Nasal Inspiratory Pressure: Learning Effect and Reproducibility in Healthy Adults
Respiration 2010; 80(5): 379-386

Surgery

Cardiothoracic Surgery

Ahmed F, Shafeeq AM, Moiz JA et al
Comparison of Effects of Manual Versus Ventilator Hyperinflation on Respiratory Compliance and Arterial Blood Gases in Patients Undergoing Mitral Valve Replacement
Heart and Lung 2010; 39(5): 437-443

Benzo RP, Sciurba FC
Oxygen Consumption, Shuttle Walking Test and the Evaluation of Lung Resection
Respiration 2010; 80(1): 19-23

Cykert S, Dilworth-Anderson P, Monroe MH et al
Factors Associated With Decisions to Undergo Surgery Among Patients With Newly Diagnosed Early-Stage Lung Cancer
Journal of the American Medical Association 2010; 303(23): 2368-2376

Iida Y, Yamada S, Nishida O et al
Body Mass Index is Negatively Correlated With Respiratory Muscle Weakness and Interleukin-6 Production After Coronary Artery Bypass Grafting
Journal of Critical Care 2010; 25(1): 172.e1-172.e8

Peterson JC, Allegrante JP, Pirraglia PA et al
Living With Heart Disease After Angioplasty: A Qualitative Study of Patients Who Have Been Successful or Unsuccessful in Multiple Behaviour Change
Heart and Lung 2010; 39(2): 105-115

Overend TJ, Anderson CM, Jackson J et al
Physical Therapy Management for Adult Patients Undergoing Cardiac Surgery: A Canadian Practice Survey
Physiotherapy Canada 2010; 62(3): 215-221

Related commentary:
Larsen T
Clinician's Commentary
Physiotherapy Canada 2010; 62(3): 222-223

Qiang Ji, Liangjie C, Yunqing M et al
Risk Factors for Late Extubation After Coronary Artery Bypass Grafting
Heart and Lung 2010; 39(4): 275-282

Reeve J, Stiller K, Nicol K et al
A Postoperative Shoulder Exercise Program Improves Function and Decreases Pain Following Open Thoracotomy: A Randomised Trial
Journal of Physiotherapy 2010; 56(4): 245-252

Reid J, Jamieson A, Bond J et al
A Pilot Study of the Incidence of Post-Thoracotomy Pulmonary Complications and the Effectiveness of Pre-operative Physiotherapy Education
Physiotherapy Canada 2010; 62(1): 66-74

General Surgery

Anderson J, Greendale S, Hancock A et al
Using the Stages of Change Model to Elicit Modifications in Clinical Practice: Introduction of a Risk Scoring Model to Identify Patients at High Risk of Post-Operative Pulmonary Complications Following Elective General Surgery
Journal of the ACPRC 2010; 42: 10-15

Chiefetz O, Lucy D, Overend TJ et al
The Effect of Abdominal Support on Functional Outcomes in Patients Following Major Abdominal Surgery: A Randomised Controlled Trial
Physiotherapy Canada 2010; 63(3): 242-253

Doran K, Halm MA
Integrating Acupressure to Alleviate Postoperative Nausea and Vomiting
American Journal of Critical Care 2010; 19(6): 553-556

Kilpatrick B, Slinger P
Lung Protective Strategies in Anaesthesia
British Journal of Anaesthesia 2010; 105(Suppl 1): i108-i116

Rhodes A, Cecconi M, Hamilton M et al
Goal-Directed Therapy in High-Risk Surgical Patients: A 15-Year Follow-Up Study
Intensive Care Medicine 2010; 36(8): 1327-1332

Seeger DL, Muzaale AD, Caff BS et al
Perioperative Mortality and Long-Term Survival Following Live Kidney Donation
Journal of the American Medical Association 2010; 303(10): 959-966

Smith PR, Baig MA, Brito V et al
Postoperative Pulmonary Complications after Laparotomy
Respiration 2010; 80(4): 269-274

Story DA, Leslie K, Myles PS et al
Complications and Mortality in Older Surgical Patients in Australia and New Zealand (the REASON study): A Multi-Centre, Prospective, Observational Study
Anaesthesia 2010; 65: 1022-1030

Thomsen T, Villebro N, Møller AM
Interventions for Preoperative Smoking Cessation
Cochrane Database of Systematic Reviews 2010; Issue 7 UK DOI: 10.1002/14651858.CD002294.pub3.2010

Weekend Services

Campbell L, Bunston R, Colangelo S et al
The Provision of Weekend Physiotherapy Services in Tertiary Care Hospitals in Canada
Physiotherapy Canada 2010; 62(4): 347 – 354

Related commentary:
Dechman G
Clinician's Commentary
Physiotherapy Canada 2010; 62(4): 374-377

Hill K, Brooks D
A Description of Weekend Physiotherapy Services in Three Tertiary Hospitals in the Greater Toronto area
Physiotherapy Canada 2010; 62(2): 155-162

Related commentary:
Gooselink R, Robbeets C
Clinician's Commentary
Physiotherapy Canada 2010; 62(2): 163-164