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ACPRC Respiratory Review

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Welcome to the Respiratory Review for July to December 2013. The ACPRC would like to thank reviewers for their ongoing commitment to this publication.

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Intensive Care Medicine
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Journal of Advanced Nursing
Journal of American Medical Association
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New England Journal of Medicine
New Zealand Journal of Physiotherapy
Open Respiratory Medicine Journal
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Physical Therapy
Physical Therapy Reviews
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Physiotherapy Theory and Practice
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Respiratory Medicine
Respiratory Physiology and Neurobiology
Respiratory Research
Thorax

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Cardiovascular Disease

Cardiac Rehabilitation

ADSETT, J., HICKEY, A. et al. 2013.

Implementing a community-based model of exercise training following cardiac, pulmonary, and heart failure rehabilitation.

Journal of Cardiopulmonary Rehabilitation & Prevention, 33(4), 239–243.

Abstract

ÅHLUND, K., BÄCK, M. & SERNERT, N. 2013. Fear-avoidance beliefs and cardiac rehabilitation in patients with first-time myocardial infarction.

Journal of Rehabilitation Medicine, 45(10), 1028-1033.

Full Text

SCALVINI, S., ZANELLI, E. et al. 2013.

Home-based versus in-hospital cardiac rehabilitation after cardiac surgery: A nonrandomized controlled study.

Physical Therapy, 93(8), 1073-1083.

Abstract

SHANMUGASEGARAM, S., PAUL M.D. et al. 2013.

Comparison of barriers to use of home- versus site-based cardiac rehabilitation. *Journal of Cardiopulmonary Rehabilitation & Prevention*, 33(5), 297 – 302.

Abstract

Heart Failure

ABED, H. S., WITTERT, G. A. et al. 2013.

Effect of weight reduction and cardiometabolic risk factor management on symptom burden and severity in patients with atrial fibrillation: A randomized clinical trial.

JAMA, 310(19), 2050-2060.

Abstract

HOULE, J., VALERA, B. et al. 2013.

Daily steps threshold to improve cardiovascular disease risk factors during the year after an acute coronary syndrome.

Cardiopulmonary Rehabilitation & Prevention, 33(6), 406-410.

Abstract

LAVIE, C., BERRA, K. & ROSS. A. 2013. Formal cardiac rehabilitation and exercise training programs in heart failure: Evidence for substantial clinical benefits.

Journal of Cardiopulmonary Rehabilitation & Prevention, 33(4), 209-211.

Abstract

MINASIAN, A., VAN DEN ELSHOUT, F. et al. 2013.

COPD in chronic heart failure: Less common than previously thought?

Heart and Lung, 42(5), 365-371.

Abstract

MÜLLEROVA, H., AGUSTI, A. et al. 2013.

Cardiovascular comorbidity in COPD: systematic literature review.

Chest, 144(4), 1163-1178.

Abstract

NYBERG, A., LINDSTRÖM, B. & WADELL, K. 2013.

Evidence for single-limb exercises on exercise capacity, quality of life, and dyspnea in patients with chronic obstructive pulmonary disease or chronic heart failure.

Physical Therapy Reviews, 18(3), 157-172.

Abstract

PEPERA, G., CARDOSO, F. et al. 2013

Predictors of shuttle walking test performance in patients with cardiovascular disease.

Physiotherapy, 99 (4), 317-322.

Abstract

ROCA, O., PÉREZ-TERÁN, P. et al. 2013.

Patients with New York Heart Association class III heart failure may benefit with high flow nasal cannula supportive therapy: high flow nasal cannula in heart failure.

J Crit Care, 28(5), 741-6.

Abstract

ROGERSON, M., MURPHY, B. et al. 2013.

Physical inactivity at leisure and work: A 12-Month study of cardiac patients.

Journal of Cardiopulmonary Rehabilitation & Prevention, 33(6), 385-395.

Abstract

SHAO, J.H., CHANG, A.M. et al. 2013.
A randomized controlled trial of self-management programme improves health-related outcomes of older people with heart failure.
Journal of Advanced Nursing, 69 (11), 2458-69.
Abstract

SMITH, B.M., PRINCE, M.R. et al. 2013.
Impaired left ventricular filling in COPD and emphysema: Is It the heart or the lungs? The Multi-Ethnic Study of Atherosclerosis COPD Study.
Chest, 144(4), 1143-115.
Abstract

WEGRZYNOWSKA-TEODORCZYK, K., RUDZINSKA, E. et al. 2013.
Distance covered during a six-minute walk test predicts long-term cardiovascular mortality and hospitalisation rates in men with systolic heart failure: an observational study.
Journal of physiotherapy, 59(3), 117-87.
Abstract

ZAFRIR, B. 2013.
Exercise training and rehabilitation in pulmonary arterial hypertension: Rationale and current data evaluation.
Journal of Cardiopulmonary Rehabilitation & Prevention, 33(5), 263-273.
Abstract

ZUBIN MASLOV, P., BRESKOVIC, T. ET AL. 2013.
Firing patterns of muscle sympathetic neurons during short-term use of continuous positive airway pressure in healthy subjects and in chronic heart failure patients.
Respiratory Physiology & Neurobiology, 187, 149-156.
Abstract

Critical Care

Acute Lung Injury and ARDS

BIENVENU, O.J., WILLIAMS, J.B. et al. 2013.
Posttraumatic stress disorder in survivors of acute lung injury: Evaluating the Impact of event scale-revised.
Chest, 144(1), 24-31.
Abstract

CORNEJO, R.A., DÍAZ, J.C. et al. 2013.
Effects of prone positioning on lung protection in patients with acute respiratory distress syndrome.
Am. J. Respir. Crit. Care Med., 188 (4), 440-448.
Abstract

DELLAMONICA, J., LEROLLE, N. et al. 2013.
Effect of different seated positions on lung volume and oxygenation in acute respiratory distress syndrome.
Intensive Care Medicine, 39(6), 1121-1127.
Abstract

GATTINONI, L., TACCONI, P et al. 2013.
Prone position in acute respiratory distress syndrome. Rationale, indications, and limits.
Am. J. Respir. Crit. Care Med., 188 (11), 1286-1293.
Abstract

HERNU, R., WALLET, F. et al. 2013.
An attempt to validate the modification of the American-European consensus definition of acute lung injury/acute respiratory distress syndrome by the Berlin definition in a university hospital.
Intensive Care Medicine, 39 (12), 2161-2170.
Abstract

HESS, D.R., TAYLOR THOMPSON, B. & SLUTSKY, A.S. 2013
Update in acute respiratory distress syndrome and mechanical ventilation 2012.
Am. J. Respir. Crit. Care Med., 188 (3), 285-292.
Abstract

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Beneficial hemodynamic effects of prone positioning in patients with acute respiratory distress syndrome.
Am. J. Respir. Crit. Care Med., 188, (12), 1428-1433.
Abstract

MENDEZ-TELLEZ, P.A., DINGLAS, V.D. et al. 2013.
Factors associated with timing of initiation of physical therapy in patients with acute lung injury.
J Crit Care, 28(6), 980-4.
Abstract

SAWHENY, E., ELLIS, A.L. & KINASEWITZ, G.T. 2013.
Iloprost improves gas exchange in patients with pulmonary hypertension and ARDS.
Chest, 144(1), 55-62.
Abstract

Airway and Anaesthesia

GORNALL, B.F., MYLES, P.S. et al. 2013.
Measurement of quality of recovery using the QoR-40: a quantitative systematic review.
British Journal of Anaesthesia, 111 (2), 161–169.
Abstract

Critical Care Rehabilitation

AMIDEI, C. & M. SOLE, M. 2013.
Physiological responses to passive exercise in adults receiving mechanical ventilation.
American Journal of Critical Care, 22(4), 337-348.
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CALVO-AYALA, E., KHAN, B.A. et al. 2013.
Interventions to improve the physical function of ICU Survivors: A Systematic Review.
Chest, 144 (5), 1469-1480.
Abstract

DENEHY, L., DE MORTON, N.A. et al. 2013.
A physical function test for use in the Intensive Care Unit: Validity, responsiveness, and predictive utility of the physical function ICU Test (Scored).
Physical Therapy, 93(12), 1636-1645.
Abstract

ENGEL, H.J., TATEBE, S. et al. 2013.
Physical therapist-established Intensive Care Unit early mobilization program: Quality improvement project for critical care at the University of California San Francisco Medical Center.
Physical Therapy, 93(7), 975-985.
Abstract

ENGELS, P., BECKETT, A. et al. 2013.
Physical rehabilitation of the critically ill trauma patient in the ICU.
Critical Care Medicine, 41(7), 1790-1801.
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HILL, K., DENNIS, D.M. & PATMAN, S.M. 2013.
Relationships between mortality, morbidity, and physical function in adults who survived a period of prolonged mechanical ventilation.
J Crit Care, 28(4), 427-32.
Abstract

PUTHUCHEARY, Z, A., RAWAL, J. et al. 2013.
Acute skeletal muscle wasting in critical illness.
JAMA, 310(5), 1591-1600.
Abstract

ECMO/ ECCOR

CROTTI, S., IOTTI, G.A. et al. 2013.
Organ allocation waiting time during extracorporeal bridge to lung transplant affects outcomes.
Chest, 144(3), 1018-1025.
Abstract

POLITO, A., BARRETT, C.S. et al. 2013.
Neurologic complications in neonates supported with extracorporeal membrane oxygenation. An analysis of ELSO registry data.
Intensive Care Medicine, 39(9), 1594-1601.
Abstract

VAN BERKEL, S., BINKHORST, M. et al. 2013.
Adapted ECMO criteria for newborns with persistent pulmonary hypertension after inhaled nitric oxide and/or high-frequency oscillatory ventilation.
Intensive Care Medicine, 39(6), 1113-1120.
Abstract

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Extracorporeal membrane oxygenation for severe respiratory failure in adult patients: a systematic review and meta-analysis of current evidence.
J Crit Care, 28(6), 998-1005.
Abstract

General Critical Care

BEACH, L., DENEHY, L & LEE, A. 2013
The efficacy of minitracheostomy for the management of sputum retention: a systematic review.
Physiotherapy, 99 (4), 271-277.
Abstract

CHANDLER, M. 2013.
Measurement of heat and moisture exchanger efficiency.
Anaesthesia, 68(9), 953-60.
Abstract

CILLI, A., ERDEM, H. et al. 2013.
Community-acquired pneumonia in patients with chronic obstructive pulmonary disease requiring admission to the intensive care unit: risk factors for mortality.
J Crit Care, 28(6), 975-9.
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Diaphragm dysfunction on admission to the Intensive Care Unit. Prevalence, risk factors, and prognostic impact—A prospective study.
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Prehospital management of evolving critical illness by the primary care provider.
Chest, 144(4), 1216-1221.
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Mortality among patients admitted to strained Intensive Care Units.
Am. J. Respir. Crit. Care Med., 188 (7), 800-806.
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Optimal timing of transfer out of the Intensive Care Unit.
American Journal of Critical Care, 22 (5), 390-397.
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Respiratory Physiology & Neurobiology, 187, 157-163.
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HIROSE, T., SHIOZAKI, T. et al. 2013.
The effect of electrical muscle stimulation on the prevention of disuse muscle atrophy in patients with consciousness disturbance in the intensive care unit.
J Crit Care, 28(4), 536.e1-7.
Abstract

LANE, D., FERRI, M. et al. 2013.
A Systematic Review of Evidence-Informed Practices for Patient Care Rounds in the ICU.
Critical Care Medicine, 41(8), 2015-2029.
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MANTHOUS, C.M. 2013.
Should we rescue patients with the death rattle?
Critical Care Medicine, 41:10, 2430-2432.
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OLSON, D., MCNETT, M. et al. 2013.
Effects of nursing interventions on intracranial pressure.
American Journal of Critical Care, 22 (5), 431-438.
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PARRY, S., BERNEY, S. et al. 2013.
Electrical muscle stimulation in the intensive care setting: A systematic review.
Critical Care Medicine, 41(10), 2406-2418.
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RAHU, M., GRAP, M., COHN, J. et al. 2013.
Facial expression as an indicator of pain in critically ill intubated adults during endotracheal suctioning.
American Journal of Critical Care, 22(5), 412-422.
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SCHALLOM, M., TRICOMI, S., CHANG, Y. & METHENY, N. 2013.
A pilot study of pepsin in tracheal and oral secretions.
American Journal of Critical Care, 22(5), 408-411.
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SCHWARZKOPF, D., BEHREND, S. et al. 2013.
Family satisfaction in the intensive care unit: a quantitative and qualitative analysis.
Intensive Care Medicine, 39(6), 1071-1079.

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SHEKAR, K., DAVIES, A.R. et al. 2013.
To ventilate, oscillate, or cannulate?
J Crit Care, 28(5), 655-62.
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SILVA, S., BIENDEL, C. et al. 2013.
Usefulness of cardiothoracic chest ultrasound in
the management of acute respiratory failure in
critical care practice.
Chest, 144(3), 859-865.

Abstract

SOSSDORF, M., OTTO, G.P. et al. 2013.
Potential effect of physiotherapeutic treatment on
mortality rate in patients
with severe sepsis and septic shock: a
retrospective cohort analysis.
J Crit Care, 28(6), 954-8.

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Physiotherapy in intensive care: An updated
systematic review.
Chest, 144(3), 825-847.

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J.E. 2013.
Quality improvement of interdisciplinary rounds
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Intensive Care Medicine, 39(10), 1800-1807.

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Ventilation

CHIN, J.H., LEE, E.H. et al. 2013.
Positive end-expiratory pressure aggravates left
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with pre-existing relaxation abnormality.
British Journal of Anaesthesia, 111 (3), 368–373.
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Clinical model for predicting prolonged
mechanical ventilation.
J Crit Care, 28(5), 880.e1-7.
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Aerosol therapy during mechanical ventilation:
an international survey.
Intensive Care Medicine, 39(6), 1048-1056.
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clinical management.
Am. J. Respir. Crit. Care Med., 188 (9), 1058-
1068.

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HERNANDEZ, G., PEDROSA, A. et al. 2013
The effects of increasing effective airway
diameter on weaning from mechanical ventilation
in tracheostomized patients: a randomized
controlled trial.
Intensive Care Medicine, 39(6), 1063-1070.
Abstract

HUARINGA, A.J., WANG, A. et al. 2013.
The Weaning Index as Predictor of Weaning
Success.
J Intensive Care Med, 28, 1369-374.
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HWANG, J.Y., HAN, S.H. et al. 2013.
Interrupting gel layer between Double cuffs
prevents fluid leakage past tracheal tube cuffs.
British Journal of Anaesthesia, 111 (3), 496–504.
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Outcomes of morbidly obese patients receiving
invasive mechanical ventilation: A nationwide
analysis.
Chest, 144(1), 48-54.
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LEMYZE, M., MALLAT, J. et al. 2013.
Effects of sitting position and applied positive
end-expiratory pressure on respiratory
mechanics of critically ill obese patients receiving
mechanical ventilation.
Critical Care Medicine, 41:11, 2592-2599.
Abstract

MAGILL, S., KLOMPAS, M. et al. 2013.
Developing a new, national approach to
surveillance for ventilator-associated events.
American Journal of Critical Care, 22(6), 469-
473.
Abstract

MUSCEDERE, J., SINUFF, T. et al. 2013. The clinical impact and preventability of ventilator-associated conditions in critically ill patients who are mechanically ventilated. *Chest*, 144(5), 1453-1460.

Abstract

NAKAHASHI, S., GANDO, S. et al. 2013. Effectiveness of end-expiratory lung volume measurements during the lung recruitment maneuver for patients with atelectasis. *J Crit Care*, 28(4), 534.e1-5.

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ROZE, H., REPUSSEAU, B. et al. 2013. Neuro-ventilatory efficiency during weaning from mechanical ventilation using neurally adjusted ventilatory assist.

British Journal of Anaesthesia, 111 (6), 955–960.

Abstract

STEVENS, J.P. & HOWELL, M.D. 2013. Liberating brain-injured patients from mechanical ventilation. Learning from healthcare delivery science.

Am. J. Respir. Crit. Care Med., 188, 8, 894-896.

Abstract

Ventilator Associated Pneumonia

PAPAZIAN, L., ROCH, A. et al. 2013. Effect of statin therapy on mortality in patients with Ventilator-Associated Pneumonia: A Randomized Clinical Trial. *JAMA*, 310(16), 1692-1700.

Abstract

Dyspnoea

GARCÍA, X., SIMON, P. et al. 2013. Noninvasive Assessment of Acute Dyspnea in the ED.

Chest, 144(2), 610-615.

Abstract

NYBERG, A., LINDSTRÖM, B. & WADELL, K. 2013.

Evidence for single-limb exercises on exercise capacity, quality of life, and dyspnea in patients with chronic obstructive pulmonary disease or chronic heart failure.

Physical Therapy Reviews, 18(3), 157-172.

Abstract

WADELL, K., WEBB, K.A., et al. 2013.

Impact of pulmonary rehabilitation on the major dimensions of dyspnea in COPD.

Journal of Chronic Obstructive Pulmonary Disease, 10(4), 425-435.

Abstract

Lung Disease

Asthma

ACUÑA-IZCARAY, A., SÁNCHEZ-ANGARITA, E. et al. 2013.

Quality assessment of asthma clinical practice guidelines: A systematic appraisal.

Chest, 144(2), 390-397.

Abstract

AXELSSON, M. 2013.

Personality and reasons for not using asthma medication in young adults.

Heart and Lung, 42(4), 241-246.

Abstract

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Respiratory Medicine, 107(8), 1164-1171.

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Prescription of inhalers in asthma and COPD: Towards a rational, rapid and effective approach.

Respiratory Medicine, 107(12), 1817-1821.

Abstract

JERNING, C., MARTINANDER, E. et al. 2013. Asthma and physical activity – A population based study results from the Swedish GA²LEN survey.

Respiratory Medicine, 107(11), 1651-1658.

Abstract

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Abstract

MIRABELLI, M.C., BEAVERS, S.F. et al. 2013. Age at asthma onset and subsequent asthma outcomes among adults with active asthma. *Respiratory Medicine*, 107(12), 1829-1836.

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PETSIOS, K., PRIFTIS, K. et al. 2013. Determinants of quality of life in children with asthma.

Pediatric Pulmonology, 48, 1171-1180.

Abstract

SADATSAFAVI, M., FITZGERALD, M. et al. 2013. Costs and health outcomes associated with primary vs secondary care after an asthma-related hospitalization: A population-based study. *Chest*, 144(2), 428-435.

Abstract

VON MUTIUS, E. & HARTERT, T. 2013. Update in Asthma 2012. *Am. J. Respir. Crit. Care Med.*, 188(2), 150-156.

Abstract

WOODCOCK, A., BLEECKER, E.R. et al. 2013. Efficacy and safety of Fluticasone Furoate/Vilanterol compared with Fluticasone Propionate/Salmeterol combination in adult and adolescent patients with persistent asthma: A Randomized Trial.

Chest, 144(4), 1222-1229.

Abstract

Bronchiectasis

BILTON, D., DAVISKAS, E. et al. 2013. Phase 3 Randomized Study of the Efficacy and Safety of Inhaled Dry Powder Mannitol for the Symptomatic Treatment of Non-Cystic Fibrosis Bronchiectasis.

Chest, 144(1), 215-225.

Abstract

IRVING, S.J., IVES, A. et al. 2013. Lung Clearance Index and High-Resolution Computed Tomography Scores in Primary Ciliary Dyskinesia. *Am. J. Respir. Crit. Care Med.*, Vol.188 (5), 545-549.

Abstract

MCSHANE, P.J., NAURECKAS, E.T. et al. 2013. Non-cystic fibrosis bronchiectasis. *Am. J. Respir. Crit. Care Med.*, 188 (6), 647-656.

Abstract

COPD

AFOLABI, G., STEVENS, R. et al. 2013. Development of a pulmonary rehabilitation service for people with COPD: A tiered model of integrated care.

Journal of Cardiopulmonary Rehabilitation & Prevention, 33(5), 323-327.

Abstract

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Physical activity in people with COPD, using the National Health and Nutrition Evaluation Survey (NHANES) dataset (2003–2006).

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Abstract

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Respiratory Research, 14(128).

Abstract

ARGULA, R.G., STRANGE, C. et al. 2013. Baseline regional perfusion impacts exercise response to endobronchial valve therapy in advanced pulmonary emphysema.

Chest, 144, (5), 1578-1586.

Abstract

ATLANTIS, E., FAHEY, P. et al. 2013.

Bidirectional associations between clinically relevant depression or anxiety and COPD: A systematic review and meta-analysis.

Chest, 144(3), 766-777

Abstract

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Systematic review of supervised exercise programs after pulmonary rehabilitation in individuals with COPD.

Chest, 144(4), 1124-1133.

Abstract

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A novel approach to long-term respiratory care: results of a community-based post-rehabilitation maintenance program in COPD.

Respiratory Medicine, 107(8), 1210-1216.

Abstract

BEAUCHAMP, M.K., JANAUDIS-FERREIRA, T. et al. 2013.

A randomized controlled trial of balance training during pulmonary rehabilitation for individuals with COPD.

Chest, 144(6), 1803-1810.

Abstract

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Characterisation of exacerbation risk and exacerbator phenotypes in the POET-COPD trial.

Respiratory Research, 14(116).

Abstract

BEEKMAN, E., MESTERS, I. et al. 2013.

Course length of 30 metres versus 10 metres has a significant influence on six-minute walk distance in patients with COPD: an experimental crossover study.

Journal of physiotherapy, 59(3), 169-76.

Abstract

BEERNAERT, K., COHEN, J. et al. 2013.

Referral to palliative care in COPD and other chronic diseases: A population-based study.

Respiratory Medicine, 107(11), 1731-1739.

Abstract

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Effectiveness of pulmonary rehabilitation in exercise capacity and quality of life in Chronic Obstructive Pulmonary Disease patients with and without global fat-free mass depletion.

Archives of Physical Medicine & Rehabilitation, 94(8) 1607 – 1614.

Abstract

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AECOPD: Acute Exacerbations of Chronic Obstructive Cardiopulmonary Disease?

Am. J. Respir. Crit. Care Med., 188, No.9, 1046-1048.

Abstract

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Sildenafil to improve respiratory rehabilitation outcomes in COPD: a controlled trial.

European Respiratory Journal, 42, 982-992.

Abstract

BOLTON, C.E., BEVAN-SMITH, E.F. et al. 2013.

British Thoracic Society guideline on pulmonary rehabilitation in adults: accredited by NICE.

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BOLTON, C.E., SINGH, S.J. & WALKER, P.P. 2013.

Commentary: the British Thoracic Society guideline on pulmonary rehabilitation in adults. *Thorax*, 68(9):887-888.

Abstract

BRYANT, J., McDONALD, V. M., et al. 2013.

Improving medication adherence in chronic obstructive pulmonary disease: a systematic review.

Respiratory Research, 14(109).

Abstract

CAMPO, G., GUASTAROBA, P. et al. 2013.

Impact of COPD on long-term outcome after ST-segment elevation myocardial infarction receiving primary percutaneous coronary intervention.

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CHAPLIN, E.J., HOUCHEN, L. et al. 2013. Neuromuscular stimulation of quadriceps in patients hospitalised during an exacerbation of COPD: A comparison of low (35Hz) and high (50Hz) Frequencies.

Physiotherapy Research International, 18, (3), 148-156.

Abstract

CILLI, A., ERDEM, H. et al. 2013. Community-acquired pneumonia in patients with chronic obstructive pulmonary disease requiring admission to the intensive care unit: risk factors for mortality.

J Crit Care, 28(6), 975-9.

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COOPER, C.B., CELLI, B.R. et al. 2013. Treadmill endurance during 2-Year treatment with tiotropium in patients with COPD: A randomized trial

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A symptom-limited incremental step test determines maximum physiological responses in patients with chronic obstructive pulmonary disease.

Respiratory Medicine, 107(12), 1993-1999

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