

REFERENCES

- Aaron SD, Vandemheen KL, Hebert P, Dales R, Stiell IG, Ahuja J, et al. (2003):** Outpatient oral prednisone after emergency treatment of chronic obstructive pulmonary disease. *N Engl J Med* 348(26):2618-25. 354.
- Abd Rabbo (1995):** Nutritional assessment of patients with chronic obstructive pulmonary disease; M.Sc. Thesis, Chest Department, Zagazig Faculty of Medicine.
- Adroque HJ and Medias NE (1998):** Monitoring of renal function. In: Principle and practice of intensive care monitoring; Tobin M J (3rd ed.), McGraw- Hill, Inc; New York, page 1057.
- Aegerter P, Boumendil A, Retbi A et al (2005):** SAPS II revisited. *Intensive Care Med*, 31: 416–23.
- Afessa B, Morales IJ, Scanlon PD and Peters SG (2002):** Prognostic factors, clinical course, and hospital outcome of patients with chronic obstructive pulmonary disease admitted to an intensive care unit for acute respiratory failure. *Crit Care Med*; 30: 1610.
- Ai-Ping C, Lee KH and Lim TK (2005):** In-hospital and 5-year mortality of patients treated in the ICU for acute exacerbation of COPD: A retrospective study. *Chest*; 128:518.
- Ambrosino N, Fondazinoe S and Maugeri I (1999):** Field tests in pulmonary disease. *Thorax*, 54: 191.

American Thoracic Society (ATS) (1995): Standards for the diagnosis and care of patients with chronic obstructive pulmonary disease. Am J Respir Crit Care Med; 152: 577.

American Thoracic Society / European Respiratory Society Task Force (2004): Standards for the Diagnosis and Management of Patients with COPD [Internet]. Version 1.2. New York: American Thoracic Society, [updated 2005 September 8]. Available from: <http://www.thoracic.org/go/copd>. 14: 167-222.

Anand IS, Chandrashekhar Y, Ferrari R, Sarma R, Guleria R, Jindal SK, Wahi PL, Poole-Wilson PA and Harris P (1992): Pathogenesis of congestive state in chronic obstructive pulmonary disease. Circulation, 86: 12.

Anon JM, de Lorenzo AG, Zarazaga A, Tello VG and Garrido G (1999): Mechanical ventilation of patients on long-term oxygen therapy with acute exacerbations of chronic obstructive pulmonary disease: prognosis and cost–utility analysis. Intensive Care Med; 25: 452.

Anthonisen NR, Manfreda J, Warren CP, Hershfield ES, Harding GK and Nelson NA (1987): Antibiotic therapy in exacerbations of chronic obstructive pulmonary disease. Ann Intern Med; 106: 196-204.

Antonelli M, Conti G, Rocco M, Bui M, DeBlasi A and Meduri G (1998): A comparison of noninvasive positive-pressure ventilation and conventional mechanical ventilation in patients with acute respiratory failure. N Engl J Med; 339: 429.

- Apgar V (1953):** A proposal for a new method of evaluation of the newborn infant. *Curr Res Anesth Analg.* 32: 260–72.
- Balami JS, Packham SM and Gosney MA (2006):** Non-invasive ventilation for respiratory failure due to acute exacerbations of chronic obstructive pulmonary disease in older patients. *Age Ageing*; 35: 75.
- Barbera JA, Roca J, Ferrer A, et al (1997):** Mechanisms of worsening gas exchange during acute exacerbations of chronic obstructive pulmonary disease. *Eur Respir J*, 10: 1285–1291.
- Behrendt C (2000):** Acute Respiratory Failure in United States; Incidence and 31- day survival-chest; 118: 1100-1105.
- Bellomo R, Ronco C the ADQI Workgroup et al (2004):** Acute renal failure – definition, outcome measures, animal models, fluid therapy and information technology needs: the Second International Consensus Conference of the Acute Dialysis Quality Initiative (ADQI) Group. *Crit Care*, 8: R204–12.
- Bonifacio a, Banner M, Gallagher A (1999):** Continuous positive airway pressure (CPAP): A Respiratory Muscle Unloading pressure. *Critical care Medicine*; 27: A 107.
- Brater DC (1998):** Diuretic therapy. *N Engl J Med*; 339 (6): 387.
- Brazzi L and Latini R (2001):** Effect of prone positioning on the survival of patient acute respiratory failure. *N Eng J Med* 345: 568-573.

- Brean D, Churches, Hawker F and Torzillo P (2002):** Acute respiratory failure secondary to chronic obstructive pulmonary disease treated in intensive care unit: long term follow up study. *Thorax*, 57: 29-33.
- British Thoracic Society Guideline (BTS) (2002):** Non invasive ventilation in acute respiratory failure: British Thoracic Society Standards of Care committee. *Thorax*; 57: 192.
- British Thoracic Society (BTS) (1997):** Guidelines for the management of chronic obstructive pulmonary disease. *Thorax*; 52 (Suppl 5): 51.
- Brochard L (2000):** Non-invasive ventilation for acute exacerbations of COPD: a new standard of care. *Thorax*; 55: 817.
- Brochard L, Mancebo J, Wysocki M, Lofaso F, Conti G, Rauss A, et al (1995):** Noninvasive ventilation for acute exacerbations of chronic obstructive pulmonary disease. *N Engl J Med* 333(13):817-22.
- Brun-Buisson C and Lemaire F (2001):** Administration of antibiotics for pneumonia during respiratory failure: reaching the target. *Am J Respir crit care Med*; 164:1554-1555.
- Burns SM (2007):** Weaning from mechanical ventilation. In: *Management of the mechanically ventilated patients*, Lynelle NB Pierce (ed), 2nd edition, WB Saunders Company, Elsevier Inc., Missouri, USA, Chapter 11, Page 378.

- Bustamante-Fermosel A, De Miguel-Yanes JM, Duffort-Falcó M and Muñoz J (2007):** Mortality-related factors after hospitalization for acute exacerbation of chronic obstructive pulmonary disease: the burden of clinical features. *Am J Emerg Med*; 25: 515.
- Carlucci A, Delmastro M, Rubini F, Fracchia C, Nava S (2003):** Changes in the practice of non-invasive ventilation in treating COPD patients over 8 years. *Intensive Care Med*; 29: 419.
- Cataluna SJJ, Garcia MA, Sanchez RP, Salcedo E and Navarro M (2005):** Severe acute exacerbations and mortality in patients with chronic obstructive pulmonary disease. *Thorax*; 60: 925.
- Cazzola M, Spina D and Matera MG (1997):** The use of bronchodilators in stable chronic obstructive pulmonary disease. *Pulm Pharmacol Ther*; 10: 129.
- Chabot F (1995):** Effect of acute hypercapnia on alpha atrial natriuretic peptide, renin, angiotensin II, aldosterone, and vasopressin plasma levels in patients with COPD. *Chest*; 107(3): 780.
- Chestnut RM (1995):** Medical management of severe head injury: Present and future. *New Horizons*; 3: 581.
- Celli BR, MacNee W, ATS/ERS Task Force (2004):** Standards for the diagnosis and treatment of patients with COPD: a summary of the ATS/ERS position paper. *Eur Respir J*, 23: 932–946.
- Child CG, Turcotte JG (1964):** Surgery and portal hypertension. *Major Probl Clin Surg*, 1: 1–85.

- Cholongitas E, Senzolo M, Patch D et al (2006):** Risk factors, sequential organ failure assessment and model for end stage liver disease scores for predicting short term mortality in cirrhotic patients admitted to intensive care unit. *Aliment Pharmacol Ther*, 33: 883–93.
- Connors Jr AF, Dawson NV, Thomas C, Harrell FE and Desbiens N (1996):** Outcomes following acute exacerbation of severe chronic obstructive lung disease. The SUPPORT investigators (Study to Understand Prognoses and Preferences for Outcomes and Risks of Treatments). *Am J Respir Crit Care Med*; 154: 959
- Davidson AC (2002):** The pulmonary physician in critical care II: critical care management of respiratory failure resulting from COPD. *Thorax*; 57: 1079.
- Dekhuijzen PN, Aben KK, Dekker I, et al (1996):** increased exhalation of hydrogen peroxide in patients with stable and unstable chronic obstructive pulmonary disease. *Am J Respir Crit Care Med*; 154: 813–816.
- Dean AG, Dean G and Colmbieir D (2000):** EPI-INFO, Data Processing, Statistics and Epidemiology, Software Computer, Package on Microcomputer CDC, Atlanta, USA.
- Durocher A, Sauliner F and Seuscart R (1988):** A comparison of three severity score indices in an evaluation of serious bacterial pneumonia. *Intensive Care Med*; 14: 39.

Egyptian Society of Chest Diseases and Tuberculosis (ESCT) (2003):

The Egyptian guidelines for the management of chronic obstructive pulmonary disease.

Emerman CL, Connors AF, Lukens TW, Effron D, May ME (1989):

Relationship between arterial blood gases and spirometry in acute exacerbations of chronic obstructive pulmonary disease. *Ann Emerg Med*, 18(5):523-7.

Evans TW and Smithies M (1999): Organ dysfunction. *BMJ*, 318: 1606.**French Multicentre group of ICU Research (1989):** INSERM unit 169

of statistical and epidemiological studies: Factors related to outcome in intensive care: French multicenter study. *Crit Care Med*, 17: 305.

Fuso L, Incalzi R and Pistelli R (1995): Predicting mortality of patients hospitalized for acute exacerbation of chronic obstructive pulmonary disease. *Am J Med* 98, 272-277.**Gariballa SE, Parker SG, Taub N and Castleden CM (1998):** Influence of nutritional status on clinical outcome after acute stroke. *Am J Clin Nutr*; 68: 275.**Girault C, Briel A, Hellot M, Tamion F, Woinet D, Leroy J and Bonmarchand G (2003):** Noninvasive mechanical ventilation in clinical practice: A 2-year experience in a medical intensive care unit. *Crit Care Med*; 31 (2): 552.**GOLD (2003):** National heart, lung, and blood institute/World Health Organization (NHLBI/WHO): Global initiative for chronic

obstructive lung disease: Global strategy for the diagnosis, management, and prevention of chronic obstructive pulmonary disease, NHLBI/WHO workshop report; revised 2003.

GOLD (2006): National heart, lung, and blood institute/World Health Organization (NHLBI/WHO): Global initiative for chronic obstructive lung disease: Global strategy for the diagnosis, management, and prevention of chronic obstructive pulmonary disease, NHLBI/WHO workshop report; executive summary, revised 2006.

Greenstone M, Lasserson TJ (2003): Doxapram for ventilatory failure due to exacerbations of chronic obstructive pulmonary disease. Cochrane Database Syst Rev, (1):CD000223.

Grippi M (2008): Respiratory failure: An Overview: In Fishman's pulmonary Disease and Disorders by Fishman A., Elias J., FishmanJ., Grippi M., Kaiser I., Senior R., 4th (ed) Mc Graw-Hill, New York, Sec. 22;ch 143, pp 2509-2522.

Groenewegen KH, Schols AM and Wouters EF (2003): Mortality and mortality-related factors after hospitalization for acute exacerbation of COPD. Chest; 124: 167.

Gunen HSS, Hacievliyagil SS, Kosar F, Mutlu LC, Gulbas G, Pehlivan E, Sahin I and Kizkin O (2005): Factors affecting survival of hospitalised patients with COPD. Eur Respir J; 26: 234.

- Gursel G (2005):** Determinants of the Length of Mechanical Ventilation in Patients with COPD in the Intensive Care Unit. *Respiration*; 72: 61
- Haponik E, Fein A and Chin R (2000):** Managing life threatening haemoptysis: Has Anything Really Changed? *Chest* 118: 1431-1435.
- Harris P (1989):** Are pulmonary hemodynamics of importance to survival in chronic obstructive lung disease?. *Eur Respir J*; 7 (Supp2): 674S.
- Harrison DA, Brady AR, Parry GJ et al. (2006):** Recalibration of risk prediction models in a large multicenter cohort of admission to adult, general critical care units in the United Kingdom. *Crit Care Med*. 34: 1378–88.
- Heffner JE, Fahy B, Hilling L, Barbieri C (1997):** Outcomes of advance directive education of pulmonary rehabilitation patients. *Am J Respir Crit Care Med*, 155(3):1055-9.
- Hernandez C, Casas a, Escarrabill J, Alonso J, Puig-Junoy J, Farrero E, et al (2003):** Home hospitalization of exacerbated chronic obstructive pulmonary disease patients. *Eur Respir J*; 21(1):58-67.
- Herridge MS, Cheung AM, Tansey CM, et al (2003):** One-year outcomes in survivors of the acute respiratory distress syndrome. *N Engl J Med*, 348:683–693.
- Hilal Sazak, Haluk Celalettin MD, Eser fiavk, Ali Alagöz (2005):** Prognostic Factors and Intensive Care Unit Outcome in Chronic

Obstructive Pulmonary Disease Patients with Acute Respiratory Failure; *Trukish Res, journal*. S8-508.

Hilbert G, Gruson D, Portel L, Gbikpi-Benissan G, Cardinaud JP (1998): Noninvasive pressure support ventilation in COPD patients with postextubation hypercapnic respiratory insufficiency. *Eur Respir J*, 11(6):1349-53.

Hoste EA, Clermont G, Kersten A et al (2006): RIFLE criteria for acute kidney injury are associated with hospital mortality in critically ill patients: a cohort analysis. *Crit Care*, 10: R73.

Hudson LD (1987): Outcome and sequel of acute respiratory failure. In: Bone RC, George RB, Hudson LO, eds. *Acute respiratory failure*. New York: Churchill Livingstone; p-431

Hudson S and Boyd O (2007): Criteria for admission to the ICU and scoring systems for severity of illness. *Surgery*; 25 (3): 117.

Incalzi RA, Fuso L, De Rosa M, Forastiere F, Rapiti E, Nardecchia B, and Pistelli R (1997): Co-morbidity contributes to predict mortality of patients with chronic obstructive pulmonary disease. *Eur Respir J*; 10: 2794.

Jeffrey AA, Warren PM, Flenley DC (1992): Acute hypercapnic respiratory failure in patients with chronic obstructive lung disease: risk factors and guidelines for management. *Thorax*; 47: 34

Jud WG (1998): Pathophysiology of obstructive airway disease. *Radiologic Clinics of North America*, 36: 15.

- Kaelin RM, Assimacopoulos A and Chevrolet JC (1987):** Failure to predict 6-month survival of patients with COPD requiring mechanical ventilation by analysis of simple indices: A prospective study. *Chest*; 92: 971.
- Khilnani GC, Banga A and Sharma SK (2004):** Predictors of mortality of patients with acute respiratory failure secondary to chronic obstructive pulmonary disease admitted to an intensive care unit: A one year study *BMC Pulmonary Medicine*; 4: 12.
- Khilnani GC, Banga A and Sharma SK (2006):** Predictors of need of mechanical ventilation and reintubation in patients with acute respiratory failure secondary to chronic obstructive pulmonary disease. *Indian J Crit Care Med*; Vol 10, Issue 2.
- Kim S, Emerman CL, Cydulka RK, Rowe BH, Clark S and Carlos A (2004):** Prospective Multicenter Study of Relapse Following Emergency Department Treatment of COPD Exacerbation. *Chest*; 125: 473.
- Knaus W, Draper E, Wagner D and Zimmerman JE (1985):** APACHE II: a severity of disease classification system. *Crit Care Med*; 13: 818.
- Knaus WA (1989):** Prognosis with mechanical ventilation: The influence of disease, severity of disease, age and chronic health status on survival from an acute disease. *Am Rev Respir Dis*; 140: 58.

- Kramer N, Meyer T and Meharg J (1995):** Randomized, prospective trial of noninvasive positive-pressure ventilation in acute respiratory failure. *Am J Respir Crit Care Med*; 151, 1799.
- Le Gall JR, Lemeshow S, Saulnier F (1993):** A new Simplified Acute Physiology Score (SAPS II) based on a European/North American multicenter study. *JAMA* 270: 2957–63.
- Lemeshow S, Teres D, Klar J et al (1993):** Mortality Probability Models (MPM II) based on an international cohort of intensive care unit patients. *JAMA*, 270: 2478–86.
- Libretto SE (1994):** A review of the toxicology of salbutamol (Albuterol). *Arch Toxicol*; 68: 213.
- Machado ML, Krishman JA, Buist AS, et al. (2006):** Sex differences in survival in oxygen-dependent patients with chronic obstructive pulmonary disease. *Am J Respir Crit Care Med*; 174: 524.
- Mannino DM (2002):** COPD: epidemiology, prevalence, morbidity, and mortality, and disease heterogeneity. *Chest*; 121: Suppl. 5, 121S
- Mannino DM, Gagnon RC, Petty TL, Lydick E (2000):** Obstructive lung disease and low lung function in adults in the United States: data from the National Health and Nutrition Examination Survey, 1988–1994. *Arch Intern Med*, 160: 1683–1689.
- Margarson MP and Soni NC (2002):** Effects of albumin supplementation on microvascular permeability in septic patients. *J Appl Physiol*; 92:2139.

- Marshall JC, Cook DJ, Christou NV et al (1995):** Multiple organ dysfunction score: a reliable descriptor of a complex clinical outcome. *Crit Care Med*, 23: 1638–52.
- McCrory DC, Brown C and Gelfand GE (2001):** Management of acute exacerbations of COPD: a summary and appraisal of published evidence. *Chest*; 119: 1190.
- Meduri G, Turner R, Abou-Shala N, Wunderink R, and Tolley E (1996):** Noninvasive positive pressure ventilation via face mask; First line intervention in patients with acute hypercapnic and hypoxic respiratory failure. *Chest*; 109: 179.
- Menzies R, Gibbons W and Goldber P (1989):** Determinants of weaning and survival among patients with COPD who require mechanical ventilation for acute respiratory failure. *Chest*; 95: 398.
- Mindell JA and Chertow GM (1997):** A practical approach to acute renal failure. *Med Clin N Am*; 81(3): 731.
- Moayyedi P, Congleton J, Page RL, Pearson SB, Muers MF (1995):** Comparison of nebulised salbutamol and ipratropium bromide with salbutamol alone in the treatment of chronic obstructive pulmonary disease. *Thorax*, 50(8):834-7.
- Mobasher AAMT (1993):** Chronic generalized hypertrophied emphysema. In: *Chest lectures*. Zagazig University Press.
- Mohan A, Premanand R, Reddy LN, Rao MH, Sharma SK, Kamity R and Bollineni S (2006):** Clinical presentation and predictors of outcome in patients with severe acute exacerbation of chronic

obstructive pulmonary disease requiring admission to intensive care unit; BMC Pulmonary Medicine; 6: 27.

Moreno RP, Metnitz PG, Almeida E et al (2005): SAPS 3 Investigators; SAPS 3 – from evaluation of the patient to evaluation of the intensive care unit. Part 2: development of a prognostic model for hospital mortality at ICU admission. Intensive Care Med, 31: 1345–55.

Morris JA, Mackenzie EJ and Edelstein SL (1990): The effect of pre-existing conditions on mortality in trauma patients. JAMA; 263: 1942.

National Institute for Clinical Excellence (NICE) (2004): Chronic Obstructive Pulmonary Disease: National clinical guideline on management of chronic obstructive pulmonary disease in adults in primary and secondary care. Thorax, 59 (Suppl I), 131-156.

Nava S, Ambrosino N, Clini E, Prato M, Orlando G, Vitacca M, et al (1998): Noninvasive mechanical ventilation in the weaning of patients with respiratory failure due to chronic obstructive pulmonary disease, A randomized, controlled trial. Ann Intern Med, 128(9):721-8.

Nevins M and Epstein S (2001): Predictors of Outcome for Patients with COPD Requiring Invasive mechanical Ventilation. Chest; 119: 1840.

- Niewoehner DE, Collins D and Erbland M (2000):** Relation of FEV1 to clinical outcomes during exacerbations of chronic obstructive pulmonary disease Am. J. Respir. Crit. Care Med., 1201-1205.
- Niewoehner DE, Erbland ML, Deupree RH, Collins D, Gross NJ, Light RW, et al (1999):** Effect of systemic glucocorticoids on exacerbations of chronic obstructive pulmonary disease, Department of Veterans Affairs Cooperative Study Group. N Engl J Med, 340(25):1941-7.
- O' conner B and Vender J (1995):** Oxygen therapy. Critical care clin. 11: pp 67-78.
- Oga T, Nishimura K, Tsukino M, Sato S, Hajiro T (2003):** Analysis of the factors related to mortality in chronic obstructive pulmonary disease: role of exercise capacity and health status. Am J Respir Crit Care Med, 167(4):544-9.
- Parker CM, Voduc N, Aaron SD, Webb KA, O'Donnell DE (2005):** Physiological changes during symptom recovery from moderate exacerbations of COPD. Eur Respir J, 26(3):420-8.
- Patil SP, Krishnan JA, Lechtzin N and Diette GB (2003):** In hospital mortality following acute exacerbations of chronic obstructive pulmonary disease. Arch Intern Med; 163: 1180.
- Petty TL and Weinman GG (1997):** Building a national strategy for the prevention and management of and research in chronic obstructive pulmonary disease, National Heart, Lung and Blood Institute Workshop Summary. JAMA; 277: 246.

- Plant PK and Elliott MW (2003):** Chronic obstructive pulmonary disease: management of respiratory failure. *Thorax*; 58: 537.
- Poole PJ and Black PN (2001):** Mucolytic agents for chronic bronchitis and chronic obstructive pulmonary disease: systematic review. *BMJ*; 322: 1271.
- Portier F, Defouilloy C, Muir JF, and the French task force for acute respiratory failure in chronic respiratory insufficiency (1992):** Determinants of immediate survival among chronic respiratory insufficiency patients admitted to an intensive care unit for acute respiratory failure, A prospective multicenter study. *Chest*; 101:204.
- Postma DS, Ten Hanchen NHT, Kerstjens HAM and Koeter GH (1999):** Home treatment of COPD exacerbation. *Thorax*, 54(suppl 2):58-513.
- Price LC, Lowe D, Hosker HSR, Anstey K , Pearson MG and Roberts C M (2006):** Impact of hospital resources and organisation of care on patient outcome following admission for acute COPD exacerbation. *Thorax*; 61: 837.
- Ranson JHC, Rifkind KM, Roses DF et al (1974):** Prognostic signs and the role of operative management in acute pancreatitis. *Surg Gynecol Obstet*, 139: 69–81.
- Raof (2003):** Weaning from mechanical ventilation. In: *Mechanical ventilation*. Suhail Raof and Faroque Khan (eds), 1st edition

reprinted 2003, American College of Physicians-American Society of Internal Medicine, Philadelphia, Pennsylvania, USA, page 69.

Rapoport J, Teres D, Lemeshow S, et al., (1990): Timing of intensive care unit admission in relation to ICU outcome. Crit Care Med; 18:1231-5.

Raurich J M, Perez J, and Ibanez J, et al. (2004): In-hospital and 2-year survival of patients treated with mechanical ventilation for acute exacerbation of COPD. Arch Bronconeumol; 40: 295.

Refaat AM (2003): Noninvasive ventilation in management of acute respiratory failure in patients with chronic obstructive pulmonary disease. MD Thesis, Chest Department, Zagazig University.

Rice-Evans C, Miller NJ (1994): Measurement of antioxidant capacity in biological fluids. Methods Enzymol; 234:279.

Ritesh Agarwal, Rajesh Gupta, Ashutosh N Aggarwal, and Dheeraj Gupta (2008): Noninvasive positive pressure ventilation in acute respiratory failure due to COPD vs other causes: Effectiveness and predictors of failure in a respiratory ICU in North India. Int J Chron Obstruct Pulmon Dis. V3(4): 737–743.

Riley B (1999): Strategies for ventilatory support. Br Med Bull; 55(4): 806-820.

Rodriguez-Roisin R (2000): Towards a consensus definition for COPD exacerbations. Chest 117: 3958-4015.

- Rudolf M (2007):** COPD and death: what exactly is the relationship? Thorax; 62: 378.
- Saetta M, Di Stefano A, Maestrelli P, et al (1996):** Airway eosinophilia and expression of interleukin-5 protein in asthma and in exacerbations of chronic bronchitis. Clin Exp Allergy, 26: 766–774.
- Seemungal TA, Donaldson GC, Bhowmik A, Jeffries DJ, Wedzicha JA (2000):** Time course and recovery of exacerbations in patients with chronic obstructive pulmonary disease. Am J Respir Crit Care Med, 161: 1608–1613.
- Seneff M, Wagner D and Wagner R (1995):** Hospital and one year survival of patients admitted to intensive care unit with acute exacerbation of chronic obstructive airway disease. N Eng J Med, 347: 365-471.
- Short A and Cumming A (1999):** ABC of intensive care, Renal support. BMJ; 319: 41.
- Shouman WMA (2000):** Multiple organ dysfunctions in patients with respiratory failure. MD Thesis, Chest Department, Zagazig University
- Siafakas NM, Vermeire P, Pride NB, et al. (1995):** Optimal assessment and management of chronic obstructive pulmonary disease (COPD). The European Respiratory Society Task Force; Eur Respir J; 8: 1398–1420.

- Sin DD and Man SFP (2006):** Cooling the fire within: inhaled corticosteroids and cardiovascular mortality in COPD. *Chest*; 130: 629.
- Snider GL, Kleinerman J, Thurlbeck WM, Bengali ZK (1985):** The definition of emphysema: report of a National Heart, Lung and Blood Institute, Division of Lung Diseases, Workshop. *Am Rev Respir Dis*, 132: 182–185.
- Soo Hoo G, Hakimian N and Santiago S (2000):** Hypercapnic respiratory failure in COPD Patients: Response to therapy; *Chest*; 117:169- 117.
- Springhouse (2005):** Acute respiratory failure in COPD patients. In: professional guide to diseases, 8th edition; Lippincott and Wilkins, USA, p-517.
- Stiller K (2000):** Physiotherapy in intensive care: towards an evidence-based practice. *Chest*, 118: 1801-1813.
- Stockley RA, O'Brien C, Pye A, Hill SL (2000):** Relationship of sputum color to nature and outpatient management of acute exacerbations of COPD. *Chest*, 117:1638-45. Ref ID: 17.
- Strand K. and Flaatten H. (2008):** Severity scoring in the ICU: a review. Journal compilation; The Acta Anaesthesiologica Scandinavica Foundation, 52: 467–478.
- Sun X, Hakim RB, Knaus WA, et al., (1996):** Prognosis of acute respiratory failure in patients with chronic obstructive pulmonary diseases. In: Derenne JP, Whitelaw WA, Similowski T, Eds. *Acute*

Respiratory Failure in Chronic Obstructive Pulmonary Disease.
New York. Marcel Dekker, Inc.; p. 559-77.

Talat AM (2002): Study of hypercoagulability in chronic obstructive pulmonary disease (COPD) patients. M.Sc Thesis.Chest Department, Faculty of Medicine, Zagazig University.

Teasdale G, Murray G, Parker L, et al. (1979): Adding up the Glasgow Coma Scale. Acta Neurochir; 28: 13.

Teres D, Lemeshow S, Avrunin JS et al (1987): Validation of the mortality prediction model for ICU patients. Crit Care Med, 15: 208–13.

Toeh L, Gowardman J and Larsen P (2000): Glasgow Coma Scale: Variations in mortality among permutations of specific total scores. Intensive Care Med; 26 (2): 157

Tran DD, Groeneveld ABJ, van der Meulen J et al (1990): Age, chronic disease, sepsis, organ system failure, and mortality in a medical intensive care unit. Crit Care Med, 18: 474–9.

Ucgun I, Metintas M, Moral H, Alatas F, Yildirim H and Erginel S (2006): Predictors of hospital outcome and intubation in COPD patients admitted to the respiratory ICU for acute hypercapnic respiratory failure. Respir Med; 100: 66.

Vincent J, Moreno R and Takala J (1996): The SOFA (Sepsis-Related Organ Failure Assessment) score to describe organ dysfunction failure. Intensive Care Med; 22: 707.

- Vestbo J, Prescott E, Lange P, and the Copenhagen City Heart Study Group (1996):** Association of chronic mucus hypersecretion with FEV1 decline and COPD morbidity. *Am J Respir Crit Care Med*, 153: 1530–1535.
- Vincent JL, de Mendonca A, Cantraine F et al (1998):** Use of the SOFA score to assess the incidence of organ dysfunction/ failure in intensive care units: results of a multicenter, prospective study. Working group on “sepsis-related problems” of the European Society of Intensive Care Medicine. *Crit Care Med*, 26: 1793–800.
- Visser S (2000):** Nutrition in patients with COPD; Www. Pulmonology. Co. Za/ nutrition. Htm.
- Vitacca M, Clini E, Rubini F, Nava S, Foglio K and Ambrosino N (1996):** Non-invasive ventilation in severe chronic obstructive lung disease and acute respiratory failure: short- and long-term prognosis. *Intensive Care Med*; 22: 94.
- Wagner DP, Knaus WA, Harrel FE, Zimmerman JE and Watts C (1994):** Daily prognostic estimates for critically ill adults in intensive care units: Results from a prospective, multicenter, inception cohort analysis. *Crit Care Med*; 22 (9): 1359.
- Wedzicha JA (2001).** Mechanisms of exacerbations. *Novartis Found Symp*, 234: 84–93.
- Wedzicha JA. Exacerbations (2002):** etiology and pathophysiologic mechanisms. *Chest*, 121(5):136S-141S. Ref ID: 19254.

- Weinberger SE, Schwartzstein RM and Weiss JW (1989):** Hypercapnia. *N Engl J Med*; 321: 1223.
- WHO (2000):** World Health Report. World Health Organisation, Geneva. 2000. Date accessed: January 2005.
- Wood KA, Lewis L, Von Harz B and Kollef MH (1998):** The use of noninvasive positive pressure ventilation in the emergency department : results of a randomized clinical trial. *Chest*; 113:1339.
- Zimmerman JE, Knaus WA and Judson JA (1988):** Patient selection for intensive care: A comparison of New Zealand and United State Hospitals. *Crit. Care Med*, 16: 318.
- Zimmerman JE, Kramer AA, McNair DS et al (2006):** Acute Physiology and Chronic Health Evaluation (APACHE) IV: hospital mortality assessment for today's critically ill patients. *Crit Care Med*, 34: 1297–310.
- Yang S, Tan KL, Devanand A, Fook-Chong S and Eng P (2004):** Acute exacerbation of COPD requiring admission to the intensive care unit. *Respirology*; 9: 543.