

## **Top Articles for December, 2015**

1. [A Multicenter Randomized Trial of Continuous versus Intermittent  \$\beta\$ -Lactam Infusion in Severe Sepsis.](#)  
Dulhunty JM, Roberts JA, Davis JS, Webb SA, Bellomo R, Gomersall C, Shirwadkar C, Eastwood GM, Myburgh J, Paterson DL, Starr T, Paul SK, Lipman J; BLING II Investigators for the ANZICS Clinical Trials Group \*  
Am J Respir Crit Care Med. 2015 Dec 1;192(11):1298-305. PMID: 26200166  
doi: 10.1164/rccm.201505-0857OC.
2. [Characteristics and Outcomes of Eligible Nonenrolled Patients in a Mechanical Ventilation Trial of Acute Respiratory Distress Syndrome.](#) Arabi YM, Cook DJ, Zhou Q, Smith O, Hand L, Turgeon AF, Matte A, Mehta S, Graham R, Brierley K, Adhikari NK, Meade MO, Ferguson ND; Canadian Critical Care Trials Group. Am J Respir Crit Care Med. 2015 Dec 1;192(11):1306-13. PMID:26192398  
doi: 10.1164/rccm.201501-0172OC.
3. [Underestimation of Patient Breathlessness by Nurses and Physicians during a Spontaneous Breathing Trial.](#) Haugdahl HS, Storli SL, Meland B, Dybwik K, Romild U, Klepstad P. Am J Respir Crit Care Med. 2015 Dec 15;192(12):1440-8. PMID: 26669474  
doi: 10.1164/rccm.201503-0419OC.
4. [Restricted versus continued standard caloric intake during the management of refeeding syndrome in critically ill adults: a randomised, parallel-group, multicentre, single-blind controlled trial.](#) Doig GS, Simpson F, Heighes PT, Bellomo R, Chesher D, Caterson ID, Reade MC, Harrigan PW; Refeeding Syndrome Trial Investigators Group. Lancet Respir Med. 2015 Dec;3(12):943-52. Epub 2015 Nov 18. PMID: 26597128  
doi: 10.1016/S2213-2600(15)00418-X.
5. [Neuromuscular electrical stimulation to improve exercise capacity in patients with severe COPD: a randomised double-blind, placebo-controlled trial.](#) Maddocks M, Nolan CM, Man WD, Polkey MI, Hart N, Gao W, Rafferty GF, Moxham J, Higginson IJ. Lancet Respir Med. 2016 Jan;4(1):27-36. Epub 2015 Dec 15. PMID: 26701362  
doi: 10.1016/S2213-2600(15)00503-2.
6. [Rapid, comprehensive, and affordable mycobacterial diagnosis with whole-genome sequencing: a prospective study.](#) Pankhurst LJ, Del Ojo Elias C, Votintseva AA, Walker TM, Cole K, Davies J, Fermont JM, Gascoyne-Binzi DM, Kohl TA, Kong C, Lemaitre N, Niemann S, Paul J, Rogers TR, Roycroft E, Smith EG, Supply P, Tang P, Wilcox MH, Wordsworth S, Wyllie D, Xu L, Crook DW; COMPASS-TB Study Group. Lancet Respir Med. 2016 Jan;4(1):49-58. Epub 2015 Dec 4. PMID: 26669893  
doi: 10.1016/S2213-2600(15)00466-X.

7. [Acetaminophen for Fever in Critically Ill Patients with Suspected Infection.](#) Young P, Saxena M, Bellomo R, Freebairn R, Hammond N, van Haren F, Holliday M, Henderson S, Mackle D, McArthur C, McGuinness S, Myburgh J, Weatherall M, Webb S, Beasley R; HEAT Investigators; Australian and New Zealand Intensive Care Society Clinical Trials Group. N Engl J Med. 2015 Dec 3;373(23):2215-24. Epub 2015 Oct 5. PMID: 26436473  
doi: 10.1056/NEJMoa1508375.
8. [Hypothermia for Intracranial Hypertension after Traumatic Brain Injury.](#) Andrews PJ, Sinclair HL, Rodriguez A, Harris BA, Battison CG, Rhodes JK, Murray GD; Eurotherm3235 Trial Collaborators. N Engl J Med. 2015 Dec 17;373(25):2403-12. Epub 2015 Oct 7. PMID: 26444221  
doi: 10.1056/NEJMoa1507581.
9. [Selexipag for the Treatment of Pulmonary Arterial Hypertension.](#) Sitbon O, Channick R, Chin KM, Frey A, Gaine S, Galiè N, Ghofrani HA, Hoepfer MM, Lang IM, Preiss R, Rubin LJ, Di Scala L, Tapson V, Adzerikho I, Liu J, Moiseeva O, Zeng X, Simonneau G, McLaughlin VV; GRIPHON Investigators. N Engl J Med. 2015 Dec 24;373(26):2522-33. PMID: 26699168  
doi: 10.1056/NEJMoa1503184.
10. [Long-Term  \$\beta\$ -Blocker Therapy Decreases Blood Lactate Concentration in Severely Septic Patients.](#) Contenti J, Occelli C, Corraze H, Lemoël F, Levraut J. Crit Care Med. 2015 Dec;43(12):2616-22. PMID: 26427590  
doi: 10.1097/CCM.0000000000001308.
11. [Mitochondrial DNA and Toll-Like Receptor-9 Are Associated With Mortality in Critically Ill Patients.](#) Krychtiuk KA, Ruhittel S, Hohensinner PJ, Koller L, Kaun C, Lenz M, Bauer B, Wutzlhofer L, Draxler DF, Maurer G, Huber K, Wojta J, Heinz G, Niessner A, Speidl WS. Crit Care Med. 2015 Dec;43(12):2633-41. PMID: 26448617  
doi: 10.1097/CCM.0000000000001311.
12. [Nutritional Status and Mortality in the Critically Ill.](#) Mogensen KM, Robinson MK, Casey JD, Gunasekera NS, Moromizato T, Rawn JD, Christopher KB. Crit Care Med. 2015 Dec;43(12):2605-15. PMID: 26427592  
doi: 10.1097/CCM.0000000000001306.
13. [The use of extracorporeal membrane oxygenation in blunt thoracic trauma: A study of the Extracorporeal Life Support Organization database.](#) Jacobs JV, Hoofft NM, Robinson BR, Todd E, Bremner RM, Petersen SR, Smith MA. J Trauma Acute Care Surg. 2015 Dec;79(6):1049-54. PMID: 26680141  
doi: 10.1097/TA.0000000000000790.

14. [Heparin versus enoxaparin for prevention of venous thromboembolism after trauma: A randomized noninferiority trial.](#) Olson EJ, Bandle J, Calvo RY, Shackford SR, Dunne CE, Van Gent JM, Zander AL, Sikand H, Bongiovanni MS, Sise MJ, Sise CB. J Trauma Acute Care Surg. 2015 Dec;79(6):961-9. PMID: 26317819  
doi: 10.1097/TA.0000000000000750.
15. [Mild traumatic brain injury increases risk for the development of posttraumatic stress disorder.](#) Warren AM, Boals A, Elliott TR, Reynolds M, Weddle RJ, Holtz P, Trost Z, Foreman ML. J Trauma Acute Care Surg. 2015 Dec;79(6):1062-6. PMID: 26488326  
doi: 10.1097/TA.0000000000000875.
16. [Clinical Characteristics and Outcomes Are Similar in ARDS Diagnosed by Oxygen Saturation/Fio2 Ratio Compared With Pao2/Fio2 Ratio.](#) Chen W, Janz DR, Shaver CM, Bernard GR, Bastarache JA, Ware LB. Chest. 2015 Dec 1;148(6):1477-83. PMID: 26271028  
doi: 10.1378/chest.15-0169.
17. [Management of Pulmonary Nodules by Community Pulmonologists: A Multicenter Observational Study.](#) Tanner NT, Aggarwal J, Gould MK, Kearney P, Diette G, Vachani A, Fang KC, Silvestri GA. Chest. 2015 Dec 1;148(6):1405-14. PMID: 26087071  
doi: 10.1378/chest.15-0630.
18. [Targeted Fluid Minimization Following Initial Resuscitation in Septic Shock: A Pilot Study.](#) Chen C, Kollef MH. Chest. 2015 Dec 1;148(6):1462-9. PMID: 26291900  
doi: 10.1378/chest.15-1525.
19. [The Utility of Therapeutic Hypothermia for Post-Cardiac Arrest Syndrome Patients With an Initial Nonshockable Rhythm.](#) Perman SM, Grossestreuer AV, Wiebe DJ, Carr BG, Abella BS, Gaieski DF. Circulation. 2015 Dec 1;132(22):2146-51. Epub 2015 Nov 16. PMID: 26572795  
doi: 10.1161/CIRCULATIONAHA.115.016317.
20. [Retrospective Analysis of Long-Term Outcomes After Combat Injury: A Hidden Cost of War.](#) Stewart IJ, Sosnov JA, Howard JT, Orman JA, Fang R, Morrow BD, Zonies DH, Bollinger M, Tuman C, Freedman BA, Chung KK. Circulation. 2015 Dec 1;132(22):2126-33. Epub 2015 Nov 2. PMID: 26621637  
doi: 10.1161/CIRCULATIONAHA.115.016950.
21. [Effect of Warfarin Treatment on Survival of Patients With Pulmonary Arterial Hypertension \(PAH\) in the Registry to Evaluate Early and Long-Term PAH Disease Management \(REVEAL\).](#) Preston IR, Roberts KE, Miller DP, Sen GP, Selej

M, Benton WW, Hill NS, Farber HW. *Circulation*. 2015 Dec 22;132(25):2403-11. Epub 2015 Oct 28.  
PMID: 26510696  
doi: 10.1161/CIRCULATIONAHA.115.018435.

22. [Hemodynamic assessment of ventilated ICU patients with cardiorespiratory failure using a miniaturized multiplane transesophageal echocardiography probe.](#)  
Begot E, Dalmay F, Etchecopar C, Clavel M, Pichon N, Francois B, Lang R, Vignon P. *Intensive Care Med*. 2015 Nov;41(11):1886-94. Epub 2015 Aug 8. PMID: 26254013  
doi: 10.1007/s00134-015-3998-4.
23. [Recovery after critical illness in patients aged 80 years or older: a multi-center prospective observational cohort study.](#) Heyland DK, Garland A, Bagshaw SM, Cook D, Rockwood K, Stelfox HT, Dodek P, Fowler RA, Turgeon AF, Burns K, Muscedere J, Kutsogiannis J, Albert M, Mehta S, Jiang X, Day AG. *Intensive Care Med*. 2015 Nov;41(11):1911-20. Epub 2015 Aug 26. PMID: 26306719  
doi: 10.1007/s00134-015-4028-2.
24. [Risk of type 2 diabetes mellitus in patients with acute critical illness: a population-based cohort study.](#) Hsu CW, Lin CS, Chen SJ, Lin SH, Lin CL, Kao CH. *Intensive Care Med*. 2016 Jan;42(1):38-45. Epub 2015 Sep 14. PMID: 26370689  
doi: 10.1007/s00134-015-4044-2.
25. [Mitochondrial function in skeletal muscle of patients with protracted critical illness and ICU-acquired weakness.](#) Jiroutková K, Krajčová A, Ziak J, Fric M, Waldauf P, Džupa V, Gojda J, Němcova-Fürstová V, Kovář J, Elkalaf M, Trnka J, Duška F. *Crit Care*. 2015 Dec 24;19(1):448. PMID: 26699134  
doi: 10.1186/s13054-015-1160-x.
26. [The course of diaphragm atrophy in ventilated patients assessed with ultrasound: a longitudinal cohort study.](#) Schepens T, Verbrugge W, Dams K, Corthouts B, Parizel PM, Jorens PG. *Crit Care*. 2015 Dec 7;19:422. PMID: 26639081  
doi: 10.1186/s13054-015-1141-0.
27. [Reversal of neutrophil-to-lymphocyte count ratio in early versus late death from septic shock.](#) Riché F, Gayat E, Barthélémy R, Le Dorze M, Matéo J, Payen D. *Crit Care*. 2015 Dec 16;19:439. PMID: 26671018  
doi: 10.1186/s13054-015-1144-x.