

## **TOP ARTICLES FOR FEB. 2016**

1. [Acute Lung Injury Causes Asynchronous Alveolar Ventilation That Can Be Corrected by Individual Sighs](#)

Tabuchi A, Nickles HT, Kim M, Semple JW, Koch E, Brochard L, Slutsky AS, Pries AR, Kuebler WM. Am J Respir Crit Care Med. 2016 Feb 15;193(4):396-406. doi: 10.1164/rccm.201505-0901OC. PMID:26513710

2. [Randomized Trial of Apneic Oxygenation during Endotracheal Intubation of the Critically Ill](#)

Semler MW, Janz DR, Lentz RJ, Matthews DT, Norman BC, Assad TR, Keriwala RD, Ferrell BA, Noto MJ, McKown AC, Kocurek EG, Warren MA, Huerta LE, Rice TW; FELLOW Investigators and the Pragmatic Critical Care Research Group. Am J Respir Crit Care Med. 2016 Feb 1;193(3):273-80. doi: 10.1164/rccm.201507-1294OC. PMID: 26426458

3. [The Effects of Alternative Resuscitation Strategies on Acute Kidney Injury in Patients with Septic Shock](#)

Kellum JA, Chawla LS, Keener C, Singbartl K, Palevsky PM, Pike FL, Yealy DM, Huang DT, Angus DC; ProCESS and ProGRess-AKI Investigators. Am J Respir Crit Care Med. 2016 Feb 1;193(3):281-7. doi: 10.1164/rccm.201505-0995OC. PMID: 26398704

4. [Urinary chitinase 3-like protein 1 for early diagnosis of acute kidney injury: a prospective cohort study in adult critically ill patients](#)

De Loor J, Decruyenaere J, Demeyere K, Nuytinck L, Hoste EA, Meyer E. Crit Care. 2016 Feb 11;20(1):38. doi: 10.1186/s13054-016-1192-x. PMID: 26864834

5. [Early and persistent high level of PS 100β is associated with increased poor neurological outcome in patients with SAH: is there a PS 100β threshold for SAH prognosis?](#)

Quintard H, Leduc S, Ferrari P, Petit I, Ichai C. Crit Care. 2016 Feb 3;20(1):33. doi: 10.1186/s13054-016-1200-1. PMID: 26843206

6. [Easily identified at-risk patients for extubation failure may benefit from noninvasive ventilation: a prospective before-after study](#)

Thille AW, Boissier F, Ben-Ghezala H, Razazi K, Mekontso-Dessap A, Brun-Buisson C, Brochard L. Crit Care. 2016 Feb 26;20(1):48. doi: 10.1186/s13054-016-1228-2. PMID: 26926168

7. [Using venous blood gas analysis in the assessment of COPD exacerbations: a prospective cohort study](#)

McKeever TM, Hearson G, Housley G, Reynolds C, Kinnear W, Harrison TW, Kelly AM, Shaw DE. Thorax. 2016 Mar;71(3):210-5. doi: 10.1136/thoraxjnl-2015-207573. Epub 2015 Dec 1. PMID: 26628461

8. [Safety, pharmacokinetics, and pharmacodynamics of ivacaftor in patients aged 2-5 years with cystic fibrosis and a CFTR gating mutation \(KIWI\): an open-label, single-arm study](#)

Davies JC, Cunningham S, Harris WT, Lapey A, Regelman WE, Sawicki GS, Southern KW, Robertson S, Green Y, Cooke J, Rosenfeld M; KIWI Study Group. Lancet Respir Med. 2016 Feb;4(2):107-15. doi: 10.1016/S2213-2600(15)00545-7. Epub 2016 Jan 21. PMID: 26803277

9. [Association Between Expiratory Central Airway Collapse and Respiratory Outcomes Among Smokers](#)

Bhatt SP, Terry NL, Nath H, Zach JA, Tschirren J, Bolding MS, Stinson DS, Wilson CG, Curran-Everett D, Lynch DA, Putcha N, Soler X, Wise RA, Washko GR, Hoffman EA, Foreman MG, Dransfield MT; Genetic Epidemiology of COPD (COPDGene) Investigators. JAMA. 2016 Feb 23;315(5):498-505. doi: 10.1001/jama.2015.19431. PMID: 26836732

10. [Assessment of Clinical Criteria for Sepsis: For the Third International Consensus Definitions for Sepsis and Septic Shock \(Sepsis-3\)](#)

Seymour CW, Liu VX, Iwashyna TJ, Brunkhorst FM, Rea TD, Scherag A, Rubenfeld G, Kahn JM, Shankar-Hari M, Singer M, Deutschman CS, Escobar GJ, Angus DC. JAMA. 2016 Feb 23;315(8):762-74. doi: 10.1001/jama.2016.0288. PMID: 26903335

11. [Randomized, Double-Blind, Placebo-Controlled Trial of Thiamine as a Metabolic Resuscitator in Septic Shock: A Pilot Study](#)

Donnino MW, Andersen LW, Chase M, Berg KM, Tidswell M, Giberson T, Wolfe R, Moskowitz A, Smithline H, Ngo L, Cocchi MN; Center for Resuscitation Science Research Group. Crit Care Med. 2016 Feb;44(2):360-7. doi: 10.1097/CCM.0000000000001572. PMID: 26771781

12. [Duration of Antimicrobial Treatment for Bacteremia in Canadian Critically Ill Patients](#)

Daneman N, Rishu AH, Xiong W, Bagshaw SM, Dodek P, Hall R, Kumar A, Lamontagne F, Lauzier F, Marshall J, Martin CM, McIntyre L, Muscedere J, Reynolds S, Stelfox HT, Cook DJ, Fowler RA; Canadian Critical Care Trials Group Committee Members. Crit Care Med. 2016 Feb;44(2):256-64. doi: 10.1097/CCM.0000000000001393. PMID: 26496448

13. [Interleukin-1 Receptor Blockade Is Associated With Reduced Mortality in Sepsis Patients With Features of Macrophage Activation Syndrome: Reanalysis of a Prior Phase III Trial](#)

Shakoory B, Carcillo JA, Chatham WW, Amdur RL, Zhao H, Dinarello CA, Cron RQ, Opal SM. Crit Care Med. 2016 Feb;44(2):275-81. doi: 10.1097/CCM.0000000000001402. PMID: 26584195

14. [Effect of Intensive Versus Usual Blood Pressure Control on Kidney Function Among Individuals With Prior Lacunar Stroke: A Post Hoc Analysis of the Secondary Prevention of Small Subcortical Strokes \(SPS3\) Randomized Trial](#)

Peralta CA, McClure LA, Scherzer R, Odden MC, White CL, Shlipak M, Benavente O, Pergola P. Circulation. 2016 Feb 9;133(6):584-91. doi: 10.1161/CIRCULATIONAHA.115.019657. Epub 2016 Jan 13. PMID: 26762524

15. [Ultrasound-guided percutaneous dilational tracheostomy versus bronchoscopy-guided percutaneous dilational tracheostomy in critically ill patients \(TRACHUS\): a randomized noninferiority controlled trial](#)

Gobatto AL, Besen BA, Tierno PF, Mendes PV, Cadamuro F, Joelsons D, Melro L, Carmona MJ, Santori G, Pelosi P, Park M, Malbouisson LM Intensive Care Med. 2016 Mar;42(3):342-51. doi: 10.1007/s00134-016-4218-6. Epub 2016 Feb 1. PMID: 26831676

16. [LiFe: a liver injury score to predict outcome in critically ill patients](#)  
Edmark C, McPhail MJ, Bell M, Whitehouse T, Wendon J, Christopher KB. Intensive Care Med. 2016 Mar;42(3):361-9. doi: 10.1007/s00134-015-4203-5. Epub 2016 Jan 28. PMID: 26820880
17. [Association of prior antiplatelet agents with mortality in sepsis patients.](#) Tsai MJ, Shih CJ, Chen YT  
Intensive Care Med. 2016 Apr;42(4):605-7. doi: 10.1007/s00134-016-4230-x. Epub 2016 Feb 12. No abstract available. PMID: 26873835
18. [Use of endotracheal tubes with subglottic secretion drainage reduces ventilator-associated pneumonia in trauma patients](#)  
Hubbard JL, Veneman WL, Dirks RC, Davis JW, Kaups KL. J Trauma Acute Care Surg. 2016 Feb;80(2):218-22. doi: 10.1097/TA.0000000000000927. PMID: 26595709
19. [Surgical wound assessment by sonography in the prediction of surgical wound infections](#)  
Barrett CD, Celestin A, Fish E, Glass CC, Eskander MF, Murillo R, Gospodinov G, Gupta A, Hauser CJ. J Trauma Acute Care Surg. 2016 Feb;80(2):229-36. doi: 10.1097/TA.0000000000000908. PMID: 26502211
20. [Needle thoracostomy: Clinical effectiveness is improved using a longer angiocatheter](#)  
Aho JM, Thiels CA, El Khatib MM, Ubl DS, Laan DV, Berns KS, Habermann EB, Zietlow SP, Zielinski MD. J Trauma Acute Care Surg. 2016 Feb;80(2):272-7. doi: 10.1097/TA.0000000000000889. PMID: 26670108
21. [Structural Brain Changes in Patients with Chronic Obstructive Pulmonary Disease](#)  
Esser RW, Stoeckel MC, Kirsten A, Watz H, Taube K, Lehmann K, Petersen S, Magnussen H, von Leupoldt A. Chest. 2015 Jul 23. doi: 10.1378/chest.15-0027. [Epub ahead of print] PMID: 26203911
22. [Predictors of All-Cause Mortality in Patients with Severe COPD and Major Depression Admitted to a Rehabilitation Hospital](#)  
Yohannes AM, Raue PJ, Kanellopoulos D, McGovern A, Sirey JA, Kiosses DN, Banerjee S, Seirup JK, Novitch RS, Alexopoulos GS. Chest. 2015 Jun 25. doi: 10.1378/chest.15-0529. [Epub ahead of print] PMID: 26111347
23. [Outcomes and prognostic features of patients with influenza requiring hospitalization and receiving early antiviral therapy: A Prospective Multicenter-Cohort Study](#)  
Maruyama T, Fujisawa T, Suga S, Nakamura H, Nagao M, Taniguchi K, Tsutsui K, Ihara T, Niederman MS. Chest. 2015 Jul 23. doi: 10.1378/chest.14-2768. [Epub ahead of print] PMID: 26203671
24. [E-cigarettes and smoking cessation in real-world and clinical settings: a systematic review and meta-analysis](#)  
Kalkhoran S, Glantz SA. Lancet Respir Med. 2016 Feb;4(2):116-28. doi: 10.1016/S2213-2600(15)00521-4. Epub 2016 Jan 14. PMID: 26776875
25. [Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries](#)

Bellani G, Laffey JG, Pham T, Fan E, Brochard L, Esteban A, Gattinoni L, van Haren F, Larsson A, McAuley DF, Ranieri M, Rubenfeld G, Thompson BT, Wrigge H, Slutsky AS, Pesenti A; LUNG SAFE Investigators; ESICM Trials Group. JAMA. 2016 Feb 23;315(8):788-800. doi: 10.1001/jama.2016.0291. PMID: 26903337

26. [N-Terminal Pro-Brain Natriuretic Peptide and Heart Failure Risk Among Individuals With and Without Obesity: The Atherosclerosis Risk in Communities \(ARIC\) Study](#)

Ndumele CE, Matsushita K, Sang Y, Lazo M, Agarwal SK, Nambi V, Deswal A, Blumenthal RS, Ballantyne CM, Coresh J, Selvin E. Circulation. 2016 Feb 16;133(7):631-8. doi: 10.1161/CIRCULATIONAHA.115.017298. Epub 2016 Jan 8. PMID: 26746175