

## TOP ARTICLES FOR NOVEMBER 2016

### **AJRCM**

1. [Improving Appropriate Neurologic Prognostication after Cardiac Arrest. A Stepped Wedge Cluster Randomized Controlled Trial.](#)  
Scales DC, Golan E, Pinto R, Brooks SC, Chapman M, Dale CM, Jichici D, Rubenfeld GD, Morrison LJ; Strategies for Post-Arrest Resuscitation Care Network..  
Am J Respir Crit Care Med. 2016 Nov 1;194(9):1083-1091. PMID: 27115286
2. [Progranulin Plays a Central Role in Host Defense during Sepsis by Promoting Macrophage Recruitment.](#)  
Song Z, Zhang X, Zhang L, Xu F, Tao X, Zhang H, Lin X, Kang L, Xiang Y, Lai X, Zhang Q, Huang K, Dai Y, Yin Y, Cao J.  
Am J Respir Crit Care Med. 2016 Nov 15;194(10):1219-1232.PMID:27149013

### **Trauma/Acute Care Surgery**

3. [Pain management for blunt thoracic trauma: A joint practice management guideline from the Eastern Association for the Surgery of Trauma and Trauma Anesthesiology Society.](#)  
Galvagno SM Jr, Smith CE, Varon AJ, Hasenboehler EA, Sultan S, Shaefer G, To KB, Fox AD, Alley DE, Ditillo M, Joseph BA, Robinson BR, Haut ER.  
J Trauma Acute Care Surg. 2016 Nov;81(5):936-951. PMID: 27533913
4. [Therapeutic potential of recombinant thrombomodulin for lung injury after pneumonectomy via inhibition of high-mobility group box 1 in mice.](#)  
Takahashi Y, Matsutani N, Dejima H, Nakayama T, Okamura R, Uehara H, Kawamura M.  
J Trauma Acute Care Surg. 2016 Nov;81(5):868-875. PMID:27504958
5. [Compared to warfarin, direct oral anticoagulants are associated with lower mortality in patients with blunt traumatic intracranial hemorrhage: A TQIP study.](#)  
Feeney JM, Santone E, DiFiori M, Kis L, Jayaraman V, Montgomery SC.  
J Trauma Acute Care Surg. 2016 Nov;81(5):843-848. PMID: 27602897

### **CHEST**

6. [Elevated Plasma Levels of sRAGE Are Associated With Nonfocal CT-Based Lung Imaging in Patients With ARDS: A Prospective Multicenter Study.](#)  
Mrozek S, Jabaudon M, Jaber S, Paugam-Burtz C, Lefrant JY, Rouby JJ, Asehnoune K, Allaouchiche B, Baldesi O, Leone M, Lu Q, Bazin JE, Roszyk L, Sapin V, Futier E, Pereira B, Constantin JM; Azurea network..  
Chest. 2016 Nov;150(5):998-1007. doi: 10.1016/j.chest.2016.03.016. PMID:27018314

7. [Long-term Anticoagulation With Rivaroxaban for Preventing Recurrent VTE: A Benefit-Risk Analysis of EINSTEIN-Extension.](#)  
Wells PS, Prins MH, Levitan B, Beyer-Westendorf J, Brighton TA, Bounameaux H, Cohen AT, Davidson BL, Prandoni P, Raskob GE, Yuan Z, Katz EG, Gebel M, Lensing AW.  
Chest. 2016 Nov;150(5):1059-1068. doi: 10.1016/j.chest.2016.05.023. PMID:27262225
8. [Clinical Features of Smokers with Radiological Emphysema but without Airway Limitation.](#)  
Alcaide AB, Sanchez-Salcedo P, Bastarrika G, Campo A, Berto J, Ocon MD, Celli BR, Zulueta JJ, de-Torres JP.  
Chest. 2016 Nov 3. pii: S0012-3692(16)62332-2. doi: 10.1016/j.chest.2016.10.044.  
[Epub ahead of print]  
PMID: 27818328

## NEJM

9. [Relative importance of aneurysm diameter and body size for predicting abdominal aortic aneurysm rupture in men and women.](#)  
Lo RC, Lu B, Fokkema MT, Conrad M, Patel VI, Fillinger M, Matyal R, Schermerhorn ML; Vascular Study Group of New England,..  
J Vasc Surg. 2014 May;59(5):1209-16. doi: 10.1016/j.jvs.2013.10.104.  
PMID:24388278
10. [Pembrolizumab versus Chemotherapy for PD-L1-Positive Non-Small-Cell Lung Cancer.](#)  
Reck M, Rodríguez-Abreu D, Robinson AG, Hui R, Csőszi T, Fülöp A, Gottfried M, Peled N, Tafreshi A, Cuffe S, O'Brien M, Rao S, Hotta K, Leiby MA, Lubiniecki GM, Shentu Y, Rangwala R, Brahmer JR; KEYNOTE-024 Investigators..  
N Engl J Med. 2016 Oct 8. [Epub ahead of print] PMID: 27718847
11. [Thresholds for Abdominal Aortic Aneurysm Repair in England and the United States](#)  
Alan Karthikesalingam, Ph.D., M.R.C.S., Alberto Vidal-Diez, Ph.D., Peter J. Holt, Ph.D., F.R.C.S., Ian M. Loftus, M.D.(Res.), F.R.C.S., Marc L. Schermerhorn, M.D., Peter A. Soden, M.D., Bruce E. Landon, M.D., and Matthew M. Thompson, M.D.(Res.), F.R.C.S.  
N Engl J Med 2016; 375:2051-2059

## JAMA

12. [Beta-Lactam Infusion in Severe Sepsis \(BLISS\): a prospective, two-centre, open-labelled randomised controlled trial of continuous versus intermittent beta-lactam infusion in critically ill patients with severe sepsis.](#)  
Abdul-Aziz MH, Sulaiman H, Mat-Nor MB, Rai V, Wong KK, Hasan MS, Abd Rahman AN, Jamal JA, Wallis SC, Lipman J, Staatz CE, Roberts JA.  
Intensive Care Med. 2016 Oct;42(10):1535-45. doi: 10.1007/s00134-015-4188-0. PMID: 26754759
13. [Assessment of oxygenation response to prone position ventilation in ARDS by lung ultrasonography.](#)  
Guerin C, Gattinoni L.  
Intensive Care Med. 2016 Oct;42(10):1601-3. doi: 10.1007/s00134-016-4440-2. No abstract available.  
PMID: 27448607
14. [Effect of Hydrocortisone on Development of Shock Among Patients With Severe Sepsis: The HYPRESS Randomized Clinical Trial.](#)  
Keh D, Trips E, Marx G, Wirtz SP, Abduljawwad E, Bercker S, Bogatsch H, Briegel J, Engel C, Gerlach H, Goldmann A, Kuhn SO, Hüter L, Meier-Hellmann A, Nierhaus A, Kluge S, Lehmke J, Loeffler M, Oppert M, Resener K, Schädler D, Schuerholz T, Simon P, Weiler N, Weyland A, Reinhart K, Brunkhorst FM; SepNet–Critical Care Trials Group.  
JAMA. 2016 Nov 1;316(17):1775-1785. doi: 10.1001/jama.2016.14799. PMID: 27695824

## **BMJ, LANCET**

15. [Epidemiological characteristics, practice of ventilation, and clinical outcome in patients at risk of acute respiratory distress syndrome in intensive care units from 16 countries \(PRoVENT\): an international, multicentre, prospective study.](#)  
Neto AS, Barbas CS, Simonis FD, Artigas-Raventós A, Canet J, Determann RM, Anstey J, Hedenstierna G, Hemmes SN, Hermans G, Hiesmayr M, Hollmann MW, Jaber S, Martin-Loeches I, Mills GH, Pearse RM, Putensen C, Schmid W, Severgnini P, Smith R, Treschan TA, Tschernko EM, Melo MF, Wrigge H, de Abreu MG, Pelosi P, Schultz MJ; PRoVENT.; PROVE Network investigators..  
Lancet Respir Med. 2016 Nov;4(11):882-893. doi: 10.1016/S2213-2600(16)30305-8.  
PMID: 27717861
16. [Initial combination therapy with ambrisentan and tadalafil and mortality in patients with pulmonary arterial hypertension: a secondary analysis of the results from the randomised, controlled AMBITION study.](#)  
Hoepfer MM, McLaughlin VV, Barberá JA, Frost AE, Ghofrani HA, Peacock AJ, Simonneau G, Rosenkranz S, Oudiz RJ, White RJ, Miller KL, Langley J, Harris JH, Blair

C, Rubin LJ, Vachiery JL.

Lancet Respir Med. 2016 Nov;4(11):894-901. doi: 10.1016/S2213-2600(16)30307-1.

PMID: 27745818

17. [Risk of community-acquired pneumonia and the use of statins, ace inhibitors and gastric acid suppressants: a population-based case-control study.](#)

Myles PR, Hubbard RB, McKeever TM, Pogson Z, Smith CJ, Gibson JE.

Pharmacoepidemiol Drug Saf. 2009 Apr;18(4):269-75. doi: 10.1002/pds.1715. PMID:

19235776

## Circulation

18. [Impact of Body Mass Index on the Accuracy of N-Terminal Pro-Brain Natriuretic Peptide and Brain Natriuretic Peptide for Predicting Outcomes in Patients With Chronic Heart Failure and Reduced Ejection Fraction: Insights From the PARADIGM-HF Study \(Prospective Comparison of ARNI With ACEI to Determine Impact on Global Mortality and Morbidity in Heart Failure Trial\).](#)

Nadruz W Jr, Claggett BL, McMurray JJ, Packer M, Zile MR, Rouleau JL, Desai AS, Swedberg K, Lefkowitz M, Shi VC, Prescott MF, Solomon SD.

Circulation. 2016 Nov 29;134(22):1785-1787. No abstract available. PMID:27895026

19. [The Cost-Effectiveness of Antibiotic Prophylaxis for Patients at Risk of Infective Endocarditis.](#)

Franklin M, Wailoo A, Dayer MJ, Jones S, Prendergast B, Baddour LM, Lockhart PB, Thornhill MH.

Circulation. 2016 Nov 15;134(20):1568-1578. PMID:27840334

20. [Vascular Graft Infections, Mycotic Aneurysms, and Endovascular Infections: A Scientific Statement From the American Heart Association.](#)

Wilson WR, Bower TC et al.

Circulation. 2016 Nov 15;134(20):e412-e460. No abstract available.

PMID: 27737955

## Critical Care

21. [Lung ultrasound can be used to predict the potential of prone positioning and assess prognosis in patients with acute respiratory distress syndrome](#)

Xiao-ting Wang, Xin Ding, Hong-min Zhang, Huan Chen, Long-xiang Su and Da-wei Liu

*Critical Care* 2016 20:385

22. [Inhaled nitric oxide and the risk of renal dysfunction in patients with acute respiratory distress syndrome: a propensity-matched cohort study](#)

Sheng-Yuan Ruan, Hon-Yen Wu, Hsien-Ho Lin, Huey-Dong Wu, Chong-Jen Yu and

Mei-Shu Lai  
*Critical Care* 2016 20:389

23. [Effect of driving pressure on mortality in ARDS patients during lung protective mechanical ventilation in two randomized controlled trials](#)  
Claude Guérin, Laurent Papazian, Jean Reignier, Louis Ayzac, Anderson Loundou and Jean-Marie Forel  
*Critical Care* 2016 20:384

## **Intensive Care**

24. [The Outcome and Predictors of Mortality in Patients Therapeutically Cooled Postcardiac Arrest.](#)  
Botha J, O'Brien Y, Malouf S, Cole E, Ansari ES, Green C, Tiruvoipati R.  
*J Intensive Care Med.* 2016 Oct;31(9):603-10. doi: 10.1177/0885066614566792.  
PMID 25572332
25. [Fecal Microbiota Transplant: Treatment Options for Clostridium difficile Infection in the Intensive Care Unit.](#)  
Han S, Shannahan S, Pellish R.  
*J Intensive Care Med.* 2016 Oct;31(9):577-86. doi: 10.1177/0885066615594344.  
PMID: 26141116
26. [Resolution of a Mobile Right Atrial Thrombus Complicating Acute Pulmonary Embolism With Low-Dose Tissue Plasminogen Activator in a Patient With Recent Craniotomy.](#)  
Patel AK, Kafi A, Bonet A, Shapiro SM, Oh SS, Zeidler MR, Betancourt J.  
*J Intensive Care Med.* 2016 Oct;31(9):618-21. doi: 10.1177/0885066616646539.  
PMID 27139009

## **Critical Care Medicine**

27. [Patient and Organizational Factors Associated With Delays in Antimicrobial Therapy for Septic Shock.](#)  
Amaral AC, Fowler RA, Pinto R, Rubenfeld GD, Ellis P, Bookatz B, Marshall JC, Martinka G, Keenan S, Laporta D, Roberts D, Kumar A; Cooperative Antimicrobial Therapy of Septic Shock Database Research Group.  
*Crit Care Med.* 2016 Dec;44(12):2145-2153. PMID:27441899
28. [Protocol-Based Resuscitation Bundle to Improve Outcomes in Septic Shock Patients: Evaluation of the Michigan Health and Hospital Association Keystone Sepsis Collaborative.](#)  
Thompson MP, Reeves MJ, Bogan BL, DiGiovine B, Posa PJ, Watson SR.  
*Crit Care Med.* 2016 Dec;44(12):2123-2130. PMID: 27441897

29. [Lactated Ringer Is Associated With Reduced Mortality and Less Acute Kidney Injury in Critically Ill Patients: A Retrospective Cohort Analysis.](#)

Zampieri FG, Ranzani OT, Azevedo LC, Martins ID, Kellum JA, Libório AB.

Crit Care Med. 2016 Dec;44(12):2163-2170. PMID: 27495820