

September 2017 Top Articles

AJRCM (ATS)

Impaired Mitochondrial Microbicidal Responses in Chronic Obstructive Pulmonary Disease Macrophages.

Bewley MA, Preston JA, Mohasin M, Marriott HM, Budd RC, Swales J, Collini P, Greaves DR, Craig RW, Brightling CE, Donnelly LE, Barnes PJ, Singh D, Shapiro SD, Whyte MKB, Dockrell DH.

Am J Respir Crit Care Med. 2017 Oct 1;196(7):845-855. doi:

10.1164/rccm.201608-1714OC.

PMID: 28557543

The Voice of Surrogate Decision-Makers. Family Responses to Prognostic Information in Chronic Critical Illness.

Nelson JE, Hanson LC, Keller KL, Carson SS, Cox CE, Tulskey JA, White DB, Chai EJ, Weiss SP, Danis M.

Am J Respir Crit Care Med. 2017 Oct 1;196(7):864-872. doi:

10.1164/rccm.201701-0201OC.

PMID: 28387538

The Timing of Early Antibiotics and Hospital Mortality in Sepsis.

Liu VX, Fielding-Singh V, Greene JD, Baker JM, Iwashyna TJ, Bhattacharya J, Escobar GJ.

Am J Respir Crit Care Med. 2017 Oct 1;196(7):856-863. doi:

10.1164/rccm.201609-1848OC.

PMID: 28345952

Trauma, Acute Care Surgery

Increased mortality in trauma patients who develop postintubation hypotension.

Green RS, Butler MB, Erdogan M.

J Trauma Acute Care Surg. 2017 Oct;83(4):569-574. doi:

10.1097/TA.0000000000001561.

PMID: 28930950

Military use of tranexamic acid in combat trauma: Does it matter?

Howard JT, Stockinger ZT, Cap AP, Bailey JA, Gross KR.

J Trauma Acute Care Surg. 2017 Oct;83(4):579-588. doi:

10.1097/TA.0000000000001613.

PMID: 28930952

Comparison of compensatory reserve and arterial lactate as markers of shock and resuscitation.

Johnson MC, Alarhayem A, Convertino V, Carter R 3rd, Chung K, Stewart R, Myers J, Dent D, Liao L, Cestero R, Nicholson S, Muir M, Schwaca M, Wampler D, DeRosa M, Eastridge BJ.

J Trauma Acute Care Surg. 2017 Oct;83(4):603-608. doi:

10.1097/TA.0000000000001595.

PMID: 28930955

CHEST

Video Laryngoscopy for Endotracheal Intubation of Critically Ill Adults: A Systemic Review and Meta-Analysis.

Huang HB, Peng JM, Xu B, Liu GY, Du B.

Chest. 2017 Sep;152(3):510-517. doi: 10.1016/j.chest.2017.06.012. Epub 2017 Jun 16. Review.

PMID: 28629915

Improved Early Detection of Sepsis in the ED With a Novel Monocyte Distribution Width Biomarker.

Crouser ED, Parrillo JE, Seymour C, Angus DC, Bicking K, Tejidor L, Magari R, Careaga D, Williams J, Closser DR, Samoszuk M, Herren L, Robart E, Chaves F.

Chest. 2017 Sep;152(3):518-526. doi: 10.1016/j.chest.2017.05.039. Epub 2017 Jun 15.

PMID: 28625579

IVIg for Treatment of Severe Refractory Heparin-Induced Thrombocytopenia.

Padmanabhan A, Jones CG, Pechauer SM, Curtis BR, Bougie DW, Irani MS, Bryant BJ, Alperin JB, Deloughery TG, Mulvey KP, Dhakal B, Wen R, Wang D, Aster RH.

Chest. 2017 Sep;152(3):478-485. doi: 10.1016/j.chest.2017.03.050. Epub 2017 Apr 17.

PMID: 28427966

NEJM

Age of Red Cells for Transfusion and Outcomes in Critically Ill Adults.

Cooper DJ, McQuilten ZK, Nichol A, Ady B, Aubron C, Bailey M, Bellomo R, Gantner D, Irving DO, Kaukonen KM, McArthur C, Murray L, Pettilä V, French C; TRANSFUSE Investigators and the Australian and New Zealand Intensive Care Society Clinical Trials Group.

N Engl J Med. 2017 Sep 27. doi: 10.1056/NEJMoa1707572. [Epub ahead of print]

PMID: 28952891

Airway Mucin Concentration as a Marker of Chronic Bronchitis.

Kesimer M, Ford AA, Ceppe A, Radicioni G, Cao R, Davis CW, Doerschuk CM, Alexis NE, Anderson WH, Henderson AG, Barr RG, Bleecker ER, Christenson SA, Cooper CB, Han MK, Hansel NN, Hastie AT, Hoffman EA, Kanner RE, Martinez F, Paine R 3rd, Woodruff PG, O'Neal WK, Boucher RC.

N Engl J Med. 2017 Sep 7;377(10):911-922. doi: 10.1056/NEJMoa1701632.

PMID: 28877023

Tiotropium in Early-Stage Chronic Obstructive Pulmonary Disease.

Zhou Y, Zhong NS, Li X, Chen S, Zheng J, Zhao D, Yao W, Zhi R, Wei L, He B, Zhang X, Yang C, Li Y, Li F, Du J, Gui J, Hu B, Bai C, Huang P, Chen G, Xu Y, Wang C, Liang B, Li Y, Hu G, Tan H, Ye X, Ma X, Chen Y, Hu X, Tian J, Zhu X, Shi Z, Du X, Li M, Liu S, Yu R, Zhao J, Ma Q, Xie C, Li X, Chen T, Lin Y, Zeng L, Ye C, Ye W, Luo X, Zeng L, Yu S, Guan WJ, Ran P.

N Engl J Med. 2017 Sep 7;377(10):923-935. doi: 10.1056/NEJMoa1700228.

PMID: 28877027

BMJ, LANCET resp

Evaluation of early administration of simvastatin in the prevention and treatment of delirium in critically ill patients undergoing mechanical ventilation (MoDUS): a randomised, double-blind, placebo-controlled trial.

Page VJ, Casarin A, Ely EW, Zhao XB, McDowell C, Murphy L, McAuley DF. Lancet Respir Med. 2017 Sep;5(9):727-737. doi: 10.1016/S2213-2600(17)30234-5. Epub 2017 Jul 19.
PMID: 28734823

Comparative effectiveness of high-dose versus standard-dose influenza vaccination on numbers of US nursing home residents admitted to hospital: a cluster-randomised trial.

Gravenstein S, Davidson HE, Taljaard M, Ogarek J, Gozalo P, Han L, Mor V. Lancet Respir Med. 2017 Sep;5(9):738-746. doi: 10.1016/S2213-2600(17)30235-7. Epub 2017 Jul 20.
PMID: 28736045

Comparative effectiveness of high-dose versus standard-dose influenza vaccination on numbers of US nursing home residents admitted to hospital: a cluster-randomised trial.

Gravenstein S, Davidson HE, Taljaard M, Ogarek J, Gozalo P, Han L, Mor V. Lancet Respir Med. 2017 Sep;5(9):738-746. doi: 10.1016/S2213-2600(17)30235-7. Epub 2017 Jul 20.
PMID: 28736045

Circulation

Low-Dose Aspirin Discontinuation and Risk of Cardiovascular Events: A Swedish Nationwide, Population-Based Cohort Study.

Sundström J, Hedberg J, Thuresson M, Aarskog P, Johannesen KM, Oldgren J. Circulation. 2017 Sep 26;136(13):1183-1192. doi: 10.1161/CIRCULATIONAHA.117.028321.
PMID: 28947478

Risk for Major Bleeding in Patients Receiving Ticagrelor Compared With Aspirin After Transient Ischemic Attack or Acute Ischemic Stroke in the SOCRATES Study (Acute Stroke or Transient Ischemic Attack Treated With Aspirin or Ticagrelor and Patient Outcomes).

Easton JD, Aunes M, Albers GW, Amarenco P, Bokelund-Singh S, Denison H, Evans SR, Held P, Jahreskog M, Jonasson J, Minematsu K, Molina CA, Wang Y, Wong KSL, Johnston SC; SOCRATES Steering Committee and Investigators.

Circulation. 2017 Sep 5;136(10):907-916. doi:

10.1161/CIRCULATIONAHA.117.028566. Epub 2017 Jun 27.

PMID: 28655834

Interleukin-10 Inhibits Bone Marrow Fibroblast Progenitor Cell-Mediated Cardiac Fibrosis in Pressure-Overloaded Myocardium.

Verma SK, Garikipati VNS, Krishnamurthy P, Schumacher SM, Grisanti LA, Cimini M, Cheng Z, Khan M, Yue Y, Benedict C, Truongcao MM, Rabinowitz JE, Goukassian DA, Tilley D, Koch WJ, Kishore R.

Circulation. 2017 Sep 5;136(10):940-953. doi:

10.1161/CIRCULATIONAHA.117.027889. Epub 2017 Jun 30.

PMID: 28667100

Critical Care

Prognostic value of platelet-to-lymphocyte ratios among critically ill patients with acute kidney injury.

Zheng CF, Liu WY, Zeng FF, Zheng MH, Shi HY, Zhou Y, Pan JY.

Crit Care. 2017 Sep 8;21(1):238. doi: 10.1186/s13054-017-1821-z.

PMID: 28882170

Effect of extended visiting hours on physician distractions in the ICU: a before-and-after study.

See KC, Song XY, Aung HT.

Crit Care. 2017 Sep 18;21(1):243. doi: 10.1186/s13054-017-1830-y. No abstract available.

PMID: 28923087

Weekends affect mortality risk and chance of discharge in critically ill patients: a retrospective study in the Austrian registry for intensive care.

Zajic P, Bauer P, Rhodes A, Moreno R, Fellingner T, Metnitz B, Stavropoulou F, Posch M, Metnitz PGH.

Crit Care. 2017 Sep 7;21(1):223. doi: 10.1186/s13054-017-1812-0.

PMID: 28877753

Critical Care Medicine

Individualizing Thresholds of Cerebral Perfusion Pressure Using Estimated Limits of Autoregulation.

Donnelly J, Czosnyka M, Adams H, Robba C, Steiner LA, Cardim D, Cabella B, Liu X, Ercole A, Hutchinson PJ, Menon DK, Aries MJH, Smielewski P.

Crit Care Med. 2017 Sep;45(9):1464-1471. doi:

10.1097/CCM.0000000000002575.

PMID: 28816837

Preadmission Use of Calcium Channel Blocking Agents Is Associated With Improved Outcomes in Patients With Sepsis: A Population-Based Propensity Score-Matched Cohort Study.

Lee CC, Lee MG, Lee WC, Lai CC, Chao CC, Hsu WH, Chang SS, Lee M.

Crit Care Med. 2017 Sep;45(9):1500-1508. doi:

10.1097/CCM.0000000000002550.

PMID: 28658023

Statin and Its Association With Delirium in the Medical ICU.

Mather JF, Corradi JP, Waszynski C, Noyes A, Duan Y, Grady J, Dicks R.

Crit Care Med. 2017 Sep;45(9):1515-1522. doi:

10.1097/CCM.0000000000002530.

PMID: 28622167

Resuscitation

Prolonged targeted temperature management compromises thrombin generation: A randomised clinical trial.

Jeppesen AN, Hvas AM, Duez CHV, Grejs AM, Ilkjær S, Kirkegaard H.

Resuscitation. 2017 Sep;118:126-132. doi: 10.1016/j.resuscitation.2017.06.004.
Epub 2017 Jun 7.
PMID: 28602694

Auditory discrimination improvement predicts awakening of postanoxic comatose patients treated with targeted temperature management at 36°C.

Pfeiffer C, Nguissi NAN, Chytiris M, Bidlingmeyer P, Haenggi M, Kurmann R, Zubler F, Oddo M, Rossetti AO, De Lucia M.

Resuscitation. 2017 Sep;118:89-95. doi: 10.1016/j.resuscitation.2017.07.012. Epub 2017 Jul 14.

PMID: 28713043

Post-admission outcomes of participants in the PARAMEDIC trial: A cluster randomised trial of mechanical or manual chest compressions.

Ji C, Lall R, Quinn T, Kaye C, Haywood K, Horton J, Gordon V, Deakin CD, Pocock H, Carson A, Smyth M, Rees N, Han K, Byers S, Brace-McDonnell S, Gates S, Perkins GD; PARAMEDIC trial Collaborators.

Resuscitation. 2017 Sep;118:82-88. doi: 10.1016/j.resuscitation.2017.06.026.
Epub 2017 Jul 5.

PMID: 28689046

JAMA, ICM

Effect of Genotype-

Guided Warfarin Dosing on Clinical Events and Anticoagulation Control Among Patients Undergoing Hip or Knee Arthroplasty: The GIFT Randomized Clinical Trial.

Gage BF, Bass AR, Lin H, Woller SC, Stevens SM, Al-Hammadi N, Li J, Rodríguez T Jr, Miller JP, McMillin GA, Pendleton RC, Jaffer AK, King CR, Whipple BD, Porche-Sorbet R, Napoli L, Merritt K, Thompson AM, Hyun G, Anderson JL, Hollomon W, Barrack RL, Nunley RM, Moskowitz G, Dávila-Román V, Eby CS.

JAMA. 2017 Sep 26;318(12):1115-1124. doi: 10.1001/jama.2017.11469.

PMID:28973620

Effect of Routine Low-

Dose Oxygen Supplementation on Death and Disability in Adults With Acute Stroke: The Stroke Oxygen Study Randomized Clinical Trial.

Roffe C, Nevatte T, Sim J, Bishop J, Ives N, Ferdinand P, Gray R; Stroke Oxygen Study Investigators and the Stroke OxygenStudy Collaborative Group.

JAMA. 2017 Sep 26;318(12):1125-1135. doi: 10.1001/jama.2017.11463.

PMID: 28973619

Intramuscular olanzapine versus intramuscular haloperidol plus lorazepam for the treatment of acute schizophrenia with agitation: An open-label, randomized controlled trial.

Huang CL, Hwang TJ, Chen YH, Huang GH, Hsieh MH, Chen HH, Hwu HG.

J Formos Med Assoc. 2015 May;114(5):438-45. doi:

10.1016/j.jfma.2015.01.018. Epub 2015 Mar 17.

PMID: 25791540

Intensive Care

Trends in short-term and 1-year mortality in very elderly intensive care patients in the Netherlands: a retrospective study from 2008 to 2014.

Karakus A, Haas LEM, Brinkman S, de Lange DW, de Keizer NF.

Intensive Care Med. 2017 Jul 13. doi: 10.1007/s00134-017-4879-9. [Epub ahead of print]

PMID: 28707185

A multi-center prospective cohort study of patient transfers from the intensive care unit to the hospital ward.

Stelfox HT, Leigh JP, Dodek PM, Turgeon AF, Forster AJ, Lamontagne F, Fowler RA, Soo A, Bagshaw SM.

Intensive Care Med. 2017 Aug 29. doi: 10.1007/s00134-017-4910-1. [Epub ahead of print]

PMID: 28852789