

TOP ARTICLES FOR APRIL 2016 (with weblink & doi)

1. [Changes in Bone Mineral Density in the Year after Critical Illness.](#)

Orford NR, Lane SE, Bailey M, Pasco JA, Cattigan C, Elderkin T, Brennan-Olsen SL, Bellomo R, Cooper DJ, Kotowicz MA. Am J Respir Crit Care Med. 2016 Apr 1;193(7):736-44. doi: 10.1164/rccm.201508-1514OC. PMID: 26559667

2. [Bone Marrow-derived Cells Contribute to the Pathogenesis of Pulmonary Arterial Hypertension.](#) Yan L,

Chen X, Talati M, Nunley BW, Gladson S, Blackwell T, Cogan J, Austin E, Wheeler F, Loyd J, West J, Hamid R. Am J Respir Crit Care Med. 2016 Apr 15;193(8):898-909. doi: 10.1164/rccm.201502-0407OC. PMID: 26651104

3. [Lung Deflation and Cardiovascular Structure and Function in Chronic Obstructive Pulmonary Disease. A Randomized Controlled Trial.](#) Stone IS, Barnes NC, James WY, Midwinter D, Boubertakh R, Follows R,

John L, Petersen SE. Am J Respir Crit Care Med. 2016 Apr 1;193(7):717-26. doi: 10.1164/rccm.201508-1647OC. PMID: 26550687

4. [In vivo calibration of esophageal pressure in the mechanically ventilated patient makes measurements reliable.](#) Mojoli F, Iotti GA, Torriglia F, Pozzi M, Volta CA, Bianzina S, Braschi A, Brochard L. Crit Care. 2016

Apr 11;20(1):98. doi: 10.1186/s13054-016-1278-5. PMID: 27063290

5. [Corticosteroid therapy in refractory shock following cardiac arrest: a randomized, double-blind, placebo-controlled, trial.](#) Donnino MW, Andersen LW, Berg KM, Chase M, Sherwin R, Smithline H, Carney E, Ngo L,

Patel PV, Liu X, Cutlip D, Zimetbaum P, Cocchi MN; collaborating authors from the Beth Israel Deaconess Medical Center's Center for Resuscitation Science Research Group. Crit Care. 2016 Apr 3;20(1):82. doi: 10.1186/s13054-016-1257-x. PMID: 27038920

6. [Development of an algorithm to aid triage decisions for intensive care unit admission: a clinical vignette and retrospective cohort study.](#) Ramos JG, Perondi B, Dias RD, Miranda LC, Cohen C, Carvalho CR,

Velasco IT, Forte DN. Crit Care. 2016 Apr 2;20(1):81. doi: 10.1186/s13054-016-1262-0. PMID: 27036102

7. [Genomic landscape of the individual host response and outcomes in sepsis: a prospective cohort study.](#)

Davenport EE, Burnham KL, Radhakrishnan J, Humburg P, Hutton P, Mills TC, Rautanen A, Gordon AC, Garrard C, Hill AV, Hinds CJ, Knight JC. Lancet Respir Med. 2016 Feb 22. pii: S2213-2600(16)00046-1. doi: 10.1016/S2213-2600(16)00046-1. [Epub ahead of print] PMID: 26917434

8. [Association between driving pressure and development of postoperative pulmonary complications in patients undergoing mechanical ventilation for general anaesthesia: a meta-analysis of individual patient data.](#)

Neto AS, Hemmes SN, Barbas CS, Beiderlinden M, Fernandez-Bustamante A, Futier E, Gajic O, El-Tahan MR, Ghamdi AA, Günay E, Jaber S, Kokulu S, Kozian A, Licker M, Lin WQ, Maslow AD, Memtsoudis SG, Miranda DR, Moine P, Ng T, Paparella D, Ranieri VM, Scavonetto F, Schilling T, Selmo G, Severgnini P, Sprung J, Sundar S, Talmor D, Treschan T, Unzueta C, Weingarten TN, Wolthuis EK, Wrigge H, Amato MB, Costa EL, de Abreu MG, Pelosi P, Schultz MJ; PROVE Network

Investigators. *Lancet Respir Med*. 2016 Mar 3. pii: S2213-2600(16)00057-6. doi: 10.1016/S2213-2600(16)00057-6. [Epub ahead of print] PMID: 26947624

9. [Effect of Perioperative Goal-Directed Hemodynamic Resuscitation Therapy on Outcomes Following Cardiac Surgery: A Randomized Clinical Trial and Systematic Review](#). Osawa EA, Rhodes A, Landoni G, Galas FR, Fukushima JT, Park CH, Almeida JP, Nakamura RE, Strabelli TM, Pileggi B, Leme AC, Fominskiy E, Sakr Y, Lima M, Franco RA, Chan RP, Piccioni MA, Mendes P, Menezes SR, Bruno T, Gaiotto FA, Lisboa LA, Dallan LA, Hueb AC, Pomerantzeff PM, Kalil Filho R, Jatene FB, Auler Junior JO, Hajjar LA. *Crit Care Med*. 2016 Apr;44(4):724-33. doi: 10.1097/CCM.0000000000001479. PMID: 26646462
10. [Low-Dose Acetylsalicylic Acid Treatment and Impact on Short-Term Mortality in Staphylococcus aureus Bloodstream Infection: A Propensity Score-Matched Cohort Study](#). Osthoff M, Sidler JA, Lakatos B, Frei R, Dangel M, Weisser M, Battagay M, Widmer AF. *Crit Care Med*. 2016 Apr;44(4):773-81. doi: 10.1097/CCM.0000000000001554. PMID: 26741577
11. [Impact of Initial Central Venous Pressure on Outcomes of Conservative Versus Liberal Fluid Management in Acute Respiratory Distress Syndrome](#). Semler MW, Wheeler AP, Thompson BT, Bernard GR, Wiedemann HP, Rice TW; National Institutes of Health National Heart, Lung, and Blood Institute Acute Respiratory Distress Syndrome Network. *Crit Care Med*. 2016 Apr;44(4):782-9. doi: 10.1097/CCM.0000000000001555. PMID: 26741580
12. [Duration of Prehospital Resuscitation Efforts After Out-of-Hospital Cardiac Arrest](#). Nagao K, Nonogi H, Yonemoto N, Gaieski DF, Ito N, Takayama M, Shirai S, Furuya S, Tani S, Kimura T, Saku K; Japanese Circulation Society With Resuscitation Science Study (JCS-ReSS) Group*. *Circulation*. 2016 Apr 5;133(14):1386-96. Doi: 10.1161/CIRCULATIONAHA.115.018788. Epub 2016 Feb 26. PMID: 26920493
13. [ABO Blood Group and Risk of Thromboembolic and Arterial Disease: A Study of 1.5 Million Blood Donors](#). Vasan SK, Rostgaard K, Majeed A, Ullum H, Titlestad KE, Pedersen OB, Erikstrup C, Nielsen KR, Melbye M, Nyrén O, Hjalgrim H, Edgren G. *Circulation*. 2016 Apr 12;133(15):1449-57. doi: 10.1161/CIRCULATIONAHA.115.017563. Epub 2016 Mar 3. PMID: 26939588
14. [Ablation vs. Amiodarone for Treatment of Persistent Atrial Fibrillation in Patients With Congestive Heart Failure and an Implanted Device: Results From the AATAC Multicenter Randomized Trial](#). Biase L, Mohanty P, Mohanty S, Santangeli P, Trivedi C, Lakkireddy D, Reddy M, Jais P, Themistoclakis S, Dello Russo A, Casella M, Pelargonio G, Narducci ML, Schweikert R, Neuzil P, Sanchez J, Horton R, Beheiry S, Hongo R, Hao S, Rossillo A, Forleo G, Tondo C, Burkhardt JD, Haissaguerre M, Natale A. *Circulation*. 2016 Mar 30. pii: CIRCULATIONAHA.115.019406. [Epub ahead of print] PMID: 27029350
15. [Ventilator-associated pneumonia in ARDS patients: the impact of prone positioning. A secondary analysis of the PROSEVA trial](#). Ayzac L, Girard R, Baboi L, Beuret P, Rabilloud M, Richard JC, Guérin C. *Intensive Care Med*. 2016 May;42(5):871-8. doi: 10.1007/s00134-015-4167-5. Epub 2015 Dec 23 PMID: 26699917

16. [Diaphragmatic dysfunction in patients with ICU-acquired weakness and its impact on extubation failure.](#) Jung B, Moury PH, Mahul M, de Jong A, Galia F, Prades A, Albaladejo P, Chanques G, Molinari N, Jaber S. Intensive Care Med. 2016 May;42(5):853-61. doi: 10.1007/s00134-015-4125-2. Epub 2015 Nov 16. PMID: 26572511
17. [Thrombocytopenia and extracorporeal membrane oxygenation in adults with acute respiratory failure: a cohort study.](#) Abrams D, Baldwin MR, Champion M, Agerstrand C, Eisenberger A, Bacchetta M, Brodie D. Intensive Care Med. 2016 May;42(5):844-52. doi: 10.1007/s00134-016-4312-9. Epub 2016 Mar 23. PMID: 27007099
18. [Aspirin as added prophylaxis for deep vein thrombosis in trauma: A retrospective case-control study.](#) Brill JB, Calvo RY, Wallace JD, Lewis PR, Bansal V, Sise MJ, Shackford SR. J Trauma Acute Care Surg. 2016 Apr;80(4):625-30. doi: 10.1097/TA.0000000000000977. PMID: 26808030
19. [Early propranolol after traumatic brain injury is associated with lower mortality.](#) Ko A, Harada MY, Barmparas G, Thomsen GM, Alban RF, Bloom MB, Chung R, Melo N, Margulies DR, Ley EJ. J Trauma Acute Care Surg. 2016 Apr;80(4):637-42. doi: 10.1097/TA.0000000000000959. PMID: 26808028
20. [Attenuation of cardiovascular stress with sympatholytics does not improve survival in patients with severe isolated traumatic brain injury.](#) Lewis PR, Dunne CE, Thompson KA, McDonald VS, Calvo RY, Badiee J, Shackford SR, Sise CB, Sise MJ. J Trauma Acute Care Surg. 2016 Apr;80(4):643-7. doi: 10.1097/TA.0000000000000957. PMID: 26713971
21. [Oral Anticoagulation and the Risk of Stroke or Death in Patients With Atrial Fibrillation and One Additional Stroke Risk Factor: The Loire Valley Atrial Fibrillation Project.](#) Fauchier L, Lecoq C, Clementy N, Bernard A, Angoulvant D, Ivanes F, Babuty D, Lip GY. Chest. 2016 Apr;149(4):960-8. doi: 10.1378/chest.15-1622. Epub 2016 Jan 12. PMID: 26425935
22. [Lung Ultrasound for Early Diagnosis of Ventilator-Associated Pneumonia.](#) Mongodi S, Via G, Girard M, Rouquette I, Misset B, Braschi A, Mojoli F, Bouhemad B. Chest. 2016 Apr;149(4):969-80. doi: 10.1016/j.chest.2015.12.012. Epub 2015 Dec 22. PMID: 26836896
23. [Identification of COPD Patients at High Risk for Lung Cancer Mortality Using the COPD-LUCSS-DLCO.](#) de-Torres JP, Marín JM, Casanova C, Pinto-Plata V, Divo M, Cote C, Celli BR, Zulueta JJ. Chest. 2016 Apr;149(4):936-42. doi: 10.1378/chest.15-1868. Epub 2016 Jan 12. PMID: 26513409
24. [Efficacy of a House Dust Mite Sublingual Allergen Immunotherapy Tablet in Adults With Allergic Asthma: A Randomized Clinical Trial.](#) Virchow JC, Backer V, Kuna P, Prieto L, Nolte H, Villesen HH, Ljørring C, Riis B, de Blay F. JAMA. 2016 Apr 26;315(16):1715-25. doi: 10.1001/jama.2016.3964. PMID: 27115376
25. [Effect of a Quality Improvement Intervention With Daily Round Checklists, Goal Setting, and Clinician Prompting on Mortality of Critically Ill Patients: A Randomized Clinical Trial.](#) Writing Group for the CHECKLIST-ICU Investigators and the Brazilian Research in Intensive Care Network (BRICNet), Cavalcanti AB, Bozza FA, Machado FR, Salluh JI, Campagnucci VP, Vendramim P, Guimaraes HP, Normilio-Silva K, Damiani LP, Romano E, Carrara F, Lubarino Diniz de Souza J, Silva AR, Ramos GV,

Teixeira C, Brandão da Silva N, Chang CC, Angus DC, Berwanger O. JAMA. 2016 Apr 12;315(14):1480-90. doi: 10.1001/jama.2016.3463. PMID: 27115264

26. [Effect of Postextubation High-Flow Nasal Cannula vs Conventional Oxygen Therapy on Reintubation in Low-Risk Patients: A Randomized Clinical Trial.](#) Hernández G, Vaquero C, González P, Subira C, Frutos-Vivar F, Rialp G, Laborda C, Colinas L, Cuenca R, Fernández R. JAMA. 2016 Apr 5;315(13):1354-61. doi: 10.1001/jama.2016.2711. PMID: 26975498