

June 2017 Journal Articles

## **AJRM**

### Acute Kidney Injury as a Risk Factor for Delirium and Coma during Critical Illness.

Siew ED, Fissell WH, Tripp CM, Blume JD, Wilson MD, Clark AJ, Vincz AJ, Ely EW, Pandharipande PP, Girard TD.

Am J Respir Crit Care Med. 2017 Jun 15;195(12):1597-1607. doi: 10.1164/rccm.201603-0476OC.

PMID: 27854517

### Effort to Breathe with Various Spontaneous Breathing Trial Techniques. A Physiologic Meta-analysis.

Sklar MC, Burns K, Rittayamai N, Lanys A, Rauseo M, Chen L, Dres M, Chen GQ, Goligher EC, Adhikari NKJ, Brochard L, Friedrich JO.

Am J Respir Crit Care Med. 2017 Jun 1;195(11):1477-1485. doi: 10.1164/rccm.201607-1338OC.

PMID:27768396

### Outcomes after Rehospitalization at the Same Hospital or a Different Hospital Following Critical Illness.

Hua M, Gong MN, Miltiades A, Wunsch H.

Am J Respir Crit Care Med. 2017 Jun 1;195(11):1486-1493. doi: 10.1164/rccm.201605-0912OC.

PMID:27805834

## **Trauma, Acute Care Surgery**

### Results of a multicenter prospective pivotal trial of the first inline continuous glucose monitor in critically ill patients.

Bochicchio GV, Nasraway S, Moore L, Furnary A, Nohra E, Bochicchio K.

J Trauma Acute Care Surg. 2017 Jun;82(6):1049-1054. doi: 10.1097/TA.0000000000001444.

PMID:28328679

Operation versus antibiotics--The "appendicitis conundrum" continues: A meta-analysis.

Sakran JV, Mylonas KS, Gryparis A, Stawicki SP, Burns CJ, Matar MM, Economopoulos KP.

J Trauma Acute Care Surg. 2017 Jun;82(6):1129-1137. doi: 10.1097/TA.0000000000001450.

PMID:28338596

Early tranexamic acid administration ameliorates the endotheliopathy of trauma and shock in an in vitro model.

Diebel LN, Martin JV, Liberati DM.

J Trauma Acute Care Surg. 2017 Jun;82(6):1080-1086. doi: 10.1097/TA.0000000000001445.

PMID:28328682

## **CHEST**

Hydrocortisone, Vitamin C, and Thiamine for the Treatment of Severe Sepsis and Septic Shock: A Retrospective Before-After Study.

Marik PE, Khangoora V, Rivera R, Hooper MH, Catravas J.

Chest. 2017 Jun;151(6):1229-1238. doi: 10.1016/j.chest.2016.11.036. Epub 2016 Dec 6.

PMID:27940189

Do Patients Hospitalized With COPD Have Airflow Obstruction?

Wu H, Wise RA, Medinger AE.

Chest. 2017 Jun;151(6):1263-1271. doi: 10.1016/j.chest.2017.01.003. Epub 2017 Jan 13.

PMID:28089815

A Randomized Trial of the Amikacin Fosfomycin Inhalation System for the Adjunctive Therapy of Gram-Negative Ventilator-Associated Pneumonia: IASIS Trial.

Kollef MH, Ricard JD, Roux D, Francois B, Ischaki E, Rozgonyi Z, Boulain T, Ivanyi Z, János G, Garot D, Koura F, Zakyntinos E, Dimopoulos G, Torres A, Danker W, Montgomery AB.

Chest. 2017 Jun;151(6):1239-1246. doi: 10.1016/j.chest.2016.11.026. Epub 2016 Nov 24.

PMID:27890714

## **JAMA, ICM**

Left ventricular systolic dysfunction during septic shock:  
the role of loading conditions.

Boissier F, Razazi K, Seemann A, Bedet A, Thille AW, de Prost N, Lim P, Brun-Buisson C, Mekontso Dessap A.

Intensive Care Med. 2017 May;43(5):633-642. doi: 10.1007/s00134-017-4698-z. Epub 2017 Feb 15.

PMID:28204860

Monitoring dynamic arterial elastance as a means of decreasing the duration of norepinephrine treatment in vasoplegic syndrome following cardiac surgery: a prospective, randomized trial.

Guinot PG, Abou-Arab O, Guilbart M, Bar S, Zogheib E, Daher M, Besserve P, Nader J, Caus T, Kamel S, Dupont H, Lorne E.

Intensive Care Med. 2017 May;43(5):643-651. doi: 10.1007/s00134-016-4666-z. Epub 2017 Jan 24.

PMID:28120005

Opening pressures and atelectrauma in acute respiratory distress syndrome.

Cressoni M, Chiumello D, Algieri I, Brioni M, Chiurazzi C, Colombo A, Colombo A, Crimella F, Guanziroli M, Tomic I, Tonetti T, Luca Vergani G, Carlesso E, Gasparovic V, Gattinoni L.

Intensive Care Med. 2017 May;43(5):603-611. doi: 10.1007/s00134-017-4754-8. Epub 2017 Mar 10.

PMID:28283699

## **Circulation**

Optimizing a Drone Network to Deliver Automated External Defibrillators.

Boutilier JJ, Brooks SC, Janmohamed A, Byers A, Buick JE, Zhan C, Schoellig AP, Cheskes S, Morrison LJ, Chan TCY; Rescu Epistry Investigators.

Circulation. 2017 Jun 20;135(25):2454-2465. doi: 10.1161/CIRCULATIONAHA.116.026318. Epub 2017 Mar 2.

PMID:28254836

Cardiopulmonary Resuscitation in Adults and Children With Mechanical Circulatory Support: A Scientific Statement From the American Heart Association.

Peberdy MA, Gluck JA, Ornato JP, Bermudez CA, Griffin RE, Kasirajan V, Kerber RE, Lewis EF, Link MS, Miller C, Teuteberg JJ, Thiagarajan R, Weiss RM, O'Neil B; American Heart Association Emergency Cardiovascular Care Committee; Council on Cardiopulmonary, Critical Care, Perioperative, and Resuscitation; Council on Cardiovascular Diseases in the Young; Council on Cardiovascular Surgery and Anesthesia; Council on Cardiovascular and Stroke Nursing; and Council on Clinical Cardiology.

Circulation. 2017 Jun 13;135(24):e1115-e1134. doi: 10.1161/CIR.0000000000000504. Epub 2017 May 22. Review.

PMID:28533303

Randomized Comparison of Paclitaxel-Eluting Balloon and Stenting Versus Plain Balloon Plus Stenting Versus Directional Atherectomy for Femoral Artery Disease (ISAR-STATH).

Ott I, Cassese S, Groha P, Steppich B, Hadamitzky M, Ibrahim T, Kufner S, Dewitz K, Hiendlmayer R, Laugwitz KL, Schunkert H, Kastrati A, Fusaro M.

Circulation. 2017 Jun 6;135(23):2218-2226. doi:

10.1161/CIRCULATIONAHA.116.025329. Epub 2017 Apr 19.

PMID:28424222

### **Critical Care**

Effects of neurally adjusted ventilatory assist on air distribution and dead space in patients with acute exacerbation of chronic obstructive pulmonary disease.

Sun Q, Liu L, Pan C, Zhao Z, Xu J, Liu A, Qiu H.

Crit Care. 2017 Jun 2;21(1):126. doi: 10.1186/s13054-017-1714-1.

PMID:28578708

Protein S100 as outcome predictor after out-of-hospital cardiac arrest and targeted temperature management at 33 °C and 36 °C.

Stammet P, Dankiewicz J, Nielsen N, Fays F, Collignon O, Hassager C, Wanscher M, Undèn J, Wetterslev J, Pellis T, Aneman A, Hovdenes J, Wise MP, Gilson G, Erlinge D, Horn J, Cronberg T, Kuiper M, Kjaergaard J, Gasche Y, Devaux Y,

Friberg H; Target Temperature Management after Out-of-Hospital Cardiac Arrest (TTM) trial investigators.  
Crit Care. 2017 Jun 20;21(1):153. doi: 10.1186/s13054-017-1729-7.  
PMID:28629472

Evaluation of early antimicrobial therapy adaptation guided by the BetaLACTA® test: a case-control study.

Garnier M, Rozencwajg S, Pham T, Vimont S, Blayau C, Hafiani M, Fulgencio JP, Bonnet F, Mainardi JL, Arlet G, Fartoukh M, Gallah S, Quesnel C.  
Crit Care. 2017 Jun 28;21(1):161. doi: 10.1186/s13054-017-1746-6.  
PMID:28655352

## **Intensive Care**

Diagnostic Bedside Ultrasonography for Acute Respiratory Failure and Severe Hypoxemia in the Medical Intensive Care Unit: Basics and Comprehensive Approaches.

Lui JK, Banauch GI.

J Intensive Care Med. 2017 Jul;32(6):355-372. doi: 10.1177/0885066616658475.  
Epub 2016 Jul 8.  
PMID:27402396

Ketamine for Analgosedation in the Intensive Care Unit: A Systematic Review.

Patanwala AE, Martin JR, Erstad BL.

J Intensive Care Med. 2017 Jul;32(6):387-395. doi: 10.1177/0885066615620592.  
Epub 2015 Dec 8.  
PMID:26647407

Neurocritical Care of Emergent Large-Vessel Occlusion: The Era of a New Standard of Care.

Al-Mufti F, Dancour E, Amuluru K, Prestigiacomo C, Mayer SA, Connolly ES, Claassen J, Willey JZ, Meyers PM.

J Intensive Care Med. 2017 Jul;32(6):373-386. doi: 10.1177/0885066616656361.  
Epub 2016 Jul 19.  
PMID:27435906

## **Critical Care Medicine**

### **Noninvasive iPhone Measurement of Left Ventricular Ejection Fraction Using Intrinsic Frequency Methodology.**

Pahlevan NM, Rinderknecht DG, Tavallali P, Razavi M, Tran TT, Fong MW, Kloner RA, Csete M, Gharib M.

Crit Care Med. 2017 Jul;45(7):1115-1120. doi: 10.1097/CCM.0000000000002459. PMID:28441235

### **Sepsis-Associated 30-Day Risk-Standardized Readmissions: Analysis of a Nationwide Medicare Sample.**

Norman BC, Cooke CR, Ely EW, Graves JA.

Crit Care Med. 2017 Jul;45(7):1130-1137. doi: 10.1097/CCM.0000000000002476. PMID:28471814

### **Withholding Pantoprazole for Stress Ulcer Prophylaxis in Critically Ill Patients: A Pilot Randomized Clinical Trial and Meta-Analysis.**

Alhazzani W, Guyatt G, Alshahrani M, Deane AM, Marshall JC, Hall R, Muscedere J, English SW, Lauzier F, Thabane L, Arabi YM, Karachi T, Rochwerg B, Finfer S, Daneman N, Alshamsi F, Zytaruk N, Heel-Ansdell D, Cook D; Canadian Critical Care Trials Group.

Crit Care Med. 2017 Jul;45(7):1121-1129. doi: 10.1097/CCM.0000000000002461. PMID:28459708