



Joseph Levitt, MD, MS

Associate Professor of Medicine (Pulmonary and Critical Care Medicine)

Medicine - Pulmonary, Allergy & Critical Care Medicine

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Chest Clinic**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr. Joseph Levitt specializes in the treatment of adult pulmonary diseases including COPD, asthma, bronchiectasis, chronic cough, sarcoidosis, and pulmonary infections. He has practiced pulmonary medicine for more than 10 years. In addition to outpatient pulmonary medicine, Dr. Levitt is a critical care intensivist with a specific research interest in the clinical management of the Acute Respiratory Distress Syndrome (ARDS).

CLINICAL FOCUS

- Pulmonary Critical Care
- Critical Care Medicine

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Medicine - Pulmonary, Allergy & Critical Care Medicine

ADMINISTRATIVE APPOINTMENTS

- Program Director, Division of Pulmonary and Critical Care Medicine, Stanford University Department of Medicine, (2015- present)

PROFESSIONAL EDUCATION

- Residency: University of Chicago Hospitals Internal Medicine Residency (2001) IL
- Medical Education: University of Minnesota School of Medicine (1998) MN
- Board Certification: Critical Care Medicine, American Board of Internal Medicine (2017)
- Fellowship: Stanford University Pulmonary and Critical Care Fellowship (2005) CA
- Fellowship: University of Chicago Pulmonary Disease and Critical Care Medicine Fellowship (2004) IL
- Internship: University of Arizona Internal Medicine Residency (1999) AZ
- Residency: John H Stroger Jr Hospital of Cook County Internal Medicine Residency (2002) IL
- Board Certification: Pulmonary Disease, American Board of Internal Medicine (2005)
- M.D., University of Minnesota (1998)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research focuses on the physiologic and biomarker characteristics of early acute lung injury (ALI) prior to need for mechanical ventilation. While, to date no pharmacologic treatment has improved survival in ALI, following the paradigm of early goal directed therapy for severe sepsis, clinical benefit may derive from identifying patients and initiating treatment prior to the need for positive pressure ventilation (and therefore prior to meeting current study entry criteria).

CLINICAL TRIALS

- Accelerating COVID-19 Therapeutic Interventions and Vaccines 4 ACUTE, Recruiting
- ARrest RESpiraTory Failure From PNEUMONIA, Recruiting
- EPVent 2- A Phase II Study of Mechanical Ventilation Directed by Transpulmonary Pressures, Recruiting
- Human Mesenchymal Stem Cells For Acute Respiratory Distress Syndrome, Recruiting
- Human Mesenchymal Stromal Cells For Acute Respiratory Distress Syndrome (START), Recruiting
- I-SPY COVID-19 TRIAL: An Adaptive Platform Trial for Critically Ill Patients, Recruiting
- LIPS-A: Lung Injury Prevention Study With Aspirin, Recruiting
- LIPS-B: Lung Injury Prevention Study With Budesonide and Beta, Recruiting
- Novel Experimental COVID-19 Therapies Affecting Host Response, Recruiting
- Statins for Acutely Injured Lungs From Sepsis, Recruiting
- ACTIV-3: Therapeutics for Inpatients With COVID-19, Not Recruiting
- Aspiration in Acute Respiratory Failure Survivors 2, Not Recruiting
- COVID-19 Outpatient Pragmatic Platform Study (COPPS) - Acebilustat Sub-Protocol, Not Recruiting
- COVID-19 Outpatient Pragmatic Platform Study (COPPS) - Master Protocol, Not Recruiting
- Reevaluation Of Systemic Early Neuromuscular Blockade, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Opportunities for improved clinical trial designs in acute respiratory distress syndrome.** *The Lancet. Respiratory medicine*
Wick, K. D., Aggarwal, N. R., Curley, M. A., Fowler, A. A., Jaber, S., Kostrubiec, M., Lassau, N., Laterre, P. F., Lebreton, G., Levitt, J. E., Mebazaa, A., Rubin, E., Sinha, et al
2022; 10 (9): 916-924
- **I-SPY COVID adaptive platform trial for COVID-19 acute respiratory failure: rationale, design and operations.** *BMJ open*
Files, D. C., Matthay, M. A., Calfee, C. S., Aggarwal, N. R., Asare, A. L., Beitler, J. R., Berger, P. A., Burnham, E. L., Cimino, G., Coleman, M. H., Crippa, A., Discacciati, A., Gandotra, et al
2022; 12 (6): e060664
- **Effectiveness of a Third Dose of Pfizer-BioNTech and Moderna Vaccines in Preventing COVID-19 Hospitalization Among Immunocompetent and Immunocompromised Adults - United States, August-December 2021** *MMWR-MORBIDITY AND MORTALITY WEEKLY REPORT*
Tenforde, M. W., Patel, M. M., Gaglani, M., Ginde, A. A., Douin, D. J., Talbot, H., Casey, J. D., Mohr, N. M., Zepeski, A., McNeal, T., Ghamande, S., Gibbs, K. W., Files, et al
2022; 71 (4): 118-124

- **Clinical trial design during and beyond the pandemic: the I-SPY COVID trial** *NATURE MEDICINE*
Calfee, C. S., Liu, K. D., Asare, A. L., Beitler, J. R., Berger, P. A., Coleman, M. H., Crippa, A., Discacciati, A., Eklund, M., Files, D. C., Gandotra, S., Gibbs, K. W., Henderson, et al
2022; 28 (1): 9-11
- **Effectiveness of mRNA vaccines in preventing COVID-19 hospitalization by age and burden of chronic medical conditions among immunocompetent US adults, March-August 2021.** *The Journal of infectious diseases*
Lewis, N. M., Naioti, E. A., Self, W. H., Ginde, A. A., Douin, D. J., Talbot, H. K., Casey, J. D., Mohr, N. M., Zepeski, A., Gaglani, M., Ghamande, S. A., McNeal, T. A., Shapiro, et al
1800
- **Promises and challenges of personalized medicine to guide ARDS therapy** *CRITICAL CARE*
Wick, K. D., McAuley, D. F., Levitt, J. E., Beitler, J. R., Annane, D., Riviello, E. D., Calfee, C. S., Matthay, M. A.
2021; 25 (1): 404
- **Comparative Effectiveness of Moderna, Pfizer-BioNTech, and Janssen (Johnson & Johnson) Vaccines in Preventing COVID-19 Hospitalizations Among Adults Without Immunocompromising Conditions - United States, March-August 2021** *MMWR-MORBIDITY AND MORTALITY WEEKLY REPORT*
Self, W. H., Tenforde, M. W., Rhoads, J. P., Gaglani, M., Ginde, A. A., Douin, D. J., Olson, S. M., Talbot, K., Casey, J. D., Mohr, N. M., Zepeski, A., McNeal, T., Ghamande, et al
2021; 70 (38): 1337-1343
- **Sustained Effectiveness of Pfizer-BioNTech and Moderna Vaccines Against COVID-19 Associated Hospitalizations Among Adults - United States, March-July 2021** *MMWR-MORBIDITY AND MORTALITY WEEKLY REPORT*
Tenforde, M. W., Self, W. H., Naioti, E. A., Ginde, A. A., Douin, D. J., Olson, S. M., Talbot, H., Casey, J. D., Mohr, N. M., Zepeski, A., Gaglani, M., McNeal, T., Ghamande, et al
2021; 70 (34): 1156-1162
- **Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19.** *The New England journal of medicine*
REMAP-CAP Investigators, ACTIV-4a Investigators, ATTACC Investigators, Goligher, E. C., Bradbury, C. A., McVerry, B. J., Lawler, P. R., Berger, J. S., Gong, M. N., Carrier, M., Reynolds, H. R., Kumar, A., Turgeon, A. F., Kornblith, L. Z., et al
2021
- **Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19.** *The New England journal of medicine*
ATTACC Investigators, ACTIV-4a Investigators, REMAP-CAP Investigators, Lawler, P. R., Goligher, E. C., Berger, J. S., Neal, M. D., McVerry, B. J., Nicolau, J. C., Gong, M. N., Carrier, M., Rosenson, R. S., Reynolds, H. R., Turgeon, A. F., et al
2021
- **The COVID-19 Outpatient Pragmatic Platform Study (COPPS): Study design of a multi-center pragmatic platform trial.** *Contemporary clinical trials*
Bunning, B., Hedlin, H., Purington, N., Sundaram, V., Kapphahn, K., Weng, Y., Cunanan, K., Maldonado, Y., Singh, U., Khosla, C., O'Hara, R., Nicolls, M., Springman, et al
2021: 106509
- **Prospective validation of an 11-gene mRNA host response score for mortality risk stratification in the intensive care unit.** *Scientific reports*
Moore, A. R., Roque, J., Shaller, B. T., Asuni, T., Rimmel, M., Rawling, D., Liesenfeld, O., Khatri, P., Wilson, J. G., Levitt, J. E., Sweeney, T. E., Rogers, A. J.
2021; 11 (1): 13062
- **The ARREST Pneumonia (Arrest Respiratory Failure due to Pneumonia) Trial: Rationale and Design.** *Annals of the American Thoracic Society*
Levitt, J. E., Festic, E., Desai, M., Hedlin, H., Mahaffey, K. W., Rogers, A. J., Gajic, O., Matthay, M. A., ARREST Pneumonia Clinical Trial Investigators
2021
- **Correction to: Abnormalities of Aspiration and Swallowing Function in Survivors of Acute Respiratory Failure.** *Dysphagia*
Langmore, S. E., Krisciunas, G. P., Warner, H. n., White, S. D., Dvorkin, D. n., Fink, D. n., McNally, E. n., Scheel, R. n., Higgins, C. n., Levitt, J. E., McKeehan, J. n., Deane, S. n., Siner, et al
2021
- **Phenotypes and personalized medicine in the acute respiratory distress syndrome** *INTENSIVE CARE MEDICINE*
Matthay, M. A., Arabi, Y. M., Siegel, E. R., Ware, L. B., Bos, L. J., Sinha, P., Beitler, J. R., Wick, K. D., Curley, M. Q., Constantin, J., Levitt, J. E., Calfee, C. S.
2020: 2136-52
- **Cytokine profile in plasma of severe COVID-19 does not differ from ARDS and sepsis.** *JCI insight*

- Wilson, J. G., Simpson, L. J., Ferreira, A., Rustagi, A., Roque, J. A., Asuni, A., Ranganath, T., Grant, P. M., Subramanian, A. K., Rosenberg-Hasson, Y., Maecker, H., Holmes, S., Levitt, et al
2020
- **Systemic and Inhaled Corticosteroids, with or without Beta Agonists, as Adjuvant Therapy in Community Acquired Pneumonia.** *Acta medica academica*
Helgeson, S. A., Levitt, J. E., Festic, E.
2020; 49 (1): 9–20
 - **Characteristics and Outcomes of Individuals With Pre-existing Kidney Disease and COVID-19 Admitted to Intensive Care Units in the United States.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Flythe, J. E., Assimon, M. M., Tugman, M. J., Chang, E. H., Gupta, S. n., Shah, J. n., Sosa, M. A., DeMauro Renaghan, A. n., Melamed, M. L., Wilson, F. P., Neyra, J. A., Rashidi, A. n., Boyle, et al
2020
 - **The Association Between Endotracheal Tube Size and Aspiration (During Flexible Endoscopic Evaluation of Swallowing) in Acute Respiratory Failure Survivors.** *Critical care medicine*
Krisciunas, G. P., Langmore, S. E., Gomez-Taborda, S. n., Fink, D. n., Levitt, J. E., McKeehan, J. n., McNally, E. n., Scheel, R. n., Rubio, A. C., Siner, J. M., Vojnik, R. n., Warner, H. n., White, et al
2020
 - **Development of an accurate bedside swallowing evaluation decision tree algorithm for detecting aspiration in acute respiratory failure survivors.** *Chest*
Moss, M. n., White, S. D., Warner, H. n., Dvorkin, D. n., Fink, D. n., Gomez-Taborda, S. n., Higgins, C. n., Krisciunas, G. P., Levitt, J. E., McKeehan, J. n., McNally, E. n., Rubio, A. n., Scheel, et al
2020
 - **Abnormalities of Aspiration and Swallowing Function in Survivors of Acute Respiratory Failure.** *Dysphagia*
Langmore, S. E., Krisciunas, G. P., Warner, H. n., White, S. D., Dvorkin, D. n., Fink, D. n., McNally, E. n., Scheel, R. n., Higgins, C. n., Levitt, J. E., McKeehan, J. n., Deane, S. n., Siner, et al
2020
 - **Quantitative Assessment of Blood Lactate in Shock: Measure of Hypoxia or Beneficial Energy Source.** *BioMed research international*
Levitt, D. G., Levitt, J. E., Levitt, M. D.
2020; 2020: 2608318
 - **Early High-Dose Vitamin D3 for Critically Ill, Vitamin D-Deficient Patients.** *The New England journal of medicine*
National Heart, L., Ginde, A. A., Brower, R. G., Caterino, J. M., Finck, L., Banner-Goodspeed, V. M., Grissom, C. K., Hayden, D., Hough, C. L., Hyzy, R. C., Khan, A., Levitt, J. E., Park, et al
2019
 - **Relationship Between Laryngeal Sensation, Length of Intubation, and Aspiration in Patients with Acute Respiratory Failure** *DYSPHAGIA*
Borders, J. C., Fink, D., Levitt, J. E., McKeehan, J., McNally, E., Rubio, A., Scheel, R., Siner, J. M., Taborda, S., Vojnik, R., Warner, H., White, S., Langmore, et al
2019; 34 (4): 521–28
 - **Effect of Titrating Positive End-Expiratory Pressure (PEEP) With an Esophageal Pressure-Guided Strategy vs an Empirical High PEEP-FIO2 Strategy on Death and Days Free From Mechanical Ventilation Among Patients With Acute Respiratory Distress Syndrome A Randomized Clinical Trial**
Beitler, J. R., Sarge, T., Banner-Goodspeed, V. M., Gong, M. N., Cook, D., Novack, V., Loring, S. H., Talmor, D., Loring, S., Banner-Goodspeed, V., Fish, E., Jinadasa, S., Ritz, et al
AMER MEDICAL ASSOC.2019: 846–57
 - **Treatment with allogeneic mesenchymal stromal cells for moderate to severe acute respiratory distress syndrome (START study): a randomised phase 2a safety trial** *LANCET RESPIRATORY MEDICINE*
Matthay, M. A., Calfee, C. S., Zhuo, H., Thompson, B., Wilson, J. G., Levitt, J. E., Rogers, A. J., Gotts, J. E., Wiener-Kronish, J. P., Bajwa, E. K., Donahoe, M. P., McVerry, B. J., Ortiz, et al
2019; 7 (2): 154–62
 - **Relationship Between Laryngeal Sensation, Length of Intubation, and Aspiration in Patients with Acute Respiratory Failure.** *Dysphagia*
Borders, J. C., Fink, D., Levitt, J. E., McKeehan, J., McNally, E., Rubio, A., Scheel, R., Siner, J. M., Taborda, S. G., Vojnik, R., Warner, H., White, S. D., Langmore, et al
2019
 - **Treatment with allogeneic mesenchymal stromal cells for moderate to severe acute respiratory distress syndrome (START study): a randomised phase 2a safety trial.** *The Lancet. Respiratory medicine*

- Matthay, M. A., Calfee, C. S., Zhuo, H., Thompson, B. T., Wilson, J. G., Levitt, J. E., Rogers, A. J., Gotts, J. E., Wiener-Kronish, J. P., Bajwa, E. K., Donahoe, M. P., McVerry, B. J., Ortiz, et al
2018
- **Effect of Rosuvastatin on Acute Kidney Injury in Sepsis-Associated Acute Respiratory Distress Syndrome.** *Canadian journal of kidney health and disease*
Hsu, R. K., Truwit, J. D., Matthay, M. A., Levitt, J. E., Thompson, B. T., Liu, K. D.
2018; 5: 2054358118789158
 - **Randomized Clinical Trial of a Combination of an Inhaled Corticosteroid and Beta Agonist in Patients at Risk of Developing the Acute Respiratory Distress Syndrome** *CRITICAL CARE MEDICINE*
Festic, E., Carr, G. E., Cartin-Ceba, R., Hinds, R. F., Banner-Goodspeed, V., Bansal, V., Asuni, A. T., Talmor, D., Rajagopalan, G., Frank, R. D., Gajic, O., Matthay, M. A., Levitt, et al
2017; 45 (5): 798-805
 - **Proteomic study of acute respiratory distress syndrome: current knowledge and implications for drug development** *EXPERT REVIEW OF PROTEOMICS*
Levitt, J. E., Rogers, A. J.
2016; 13 (5): 457-469
 - **Increased Resource Use in Lung Transplant Admissions in the Lung Allocation Score Era** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Maxwell, B. G., Mooney, J. J., Lee, P. H., Levitt, J. E., Chhatwani, L., Nicolls, M. R., Zamora, M. R., Valentine, V., Weill, D., Dhillon, G. S.
2015; 191 (3): 302-308
 - **Mesenchymal stem (stromal) cells for treatment of ARDS: a phase 1 clinical trial.** *The Lancet. Respiratory medicine*
Wilson, J. G., Liu, K. D., Zhuo, H., Caballero, L., McMillan, M., Fang, X., Cosgrove, K., Vojnik, R., Calfee, C. S., Lee, J., Rogers, A. J., Levitt, J., Wiener-Kronish, et al
2015; 3 (1): 24-32
 - **Evolving Epidemiology and Definitions of the Acute Respiratory Distress Syndrome and Early Acute Lung Injury** *CLINICS IN CHEST MEDICINE*
Sweatt, A. J., Levitt, J. E.
2014; 35 (4): 609-?
 - **Evolving epidemiology and definitions of the acute respiratory distress syndrome and early acute lung injury.** *Clinics in chest medicine*
Sweatt, A. J., Levitt, J. E.
2014; 35 (4): 609-624
 - **Design and implementation of the START (STem cells for ARDS Treatment) trial, a phase 1/2 trial of human mesenchymal stem/stromal cells for the treatment of moderate-severe acute respiratory distress syndrome** *ANNALS OF INTENSIVE CARE*
Liu, K. D., Wilson, J. G., Zhuo, H., Caballero, L., McMillan, M. L., Fang, X., Cosgrove, K., Calfee, C. S., Lee, J., Kangelaris, K. N., Gotts, J. E., Rogers, A. J., Levitt, et al
2014; 4
 - **Designing a better "nest": applicable to preventing hospital exposures to risk factors for acute respiratory distress syndrome or just retrospective study design?** *Critical care medicine*
Levitt, J.
2014; 42 (1): 197-198
 - **Design and implementation of the START (STem cells for ARDS Treatment) trial, a phase 1/2 trial of human mesenchymal stem/stromal cells for the treatment of moderate-severe acute respiratory distress syndrome.** *Annals of intensive care*
Liu, K. D., Wilson, J. G., Zhuo, H., Caballero, L., McMillan, M. L., Fang, X., Cosgrove, K., Calfee, C. S., Lee, J., Kangelaris, K. N., Gotts, J. E., Rogers, A. J., Levitt, et al
2014; 4: 22-?
 - **Prehospital use of inhaled steroids and incidence of acute lung injury among patients at risk** *JOURNAL OF CRITICAL CARE*
Festic, E., Ortiz-Diaz, E., Lee, A., Li, G., Kor, D. J., Adebola, A., Akca, O., Hoth, J., Levitt, J. E., Carter, R., Gajic, O.
2013; 28 (6): 985-991
 - **Early acute lung injury: criteria for identifying lung injury prior to the need for positive pressure ventilation*.** *Critical care medicine*
Levitt, J. E., Calfee, C. S., Goldstein, B. A., Vojnik, R., Matthay, M. A.
2013; 41 (8): 1929-1937

- **Emerging Pharmacological Therapies for Prevention and Early Treatment of Acute Lung Injury** *SEMINARS IN RESPIRATORY AND CRITICAL CARE MEDICINE*
Ortiz-Diaz, E., Festic, E., Gajic, O., Levitt, J. E.
2013; 34 (4): 448-458
- **OXYGEN SATURATION TO FRACTION OF INSPIRED OXYGEN RATIO ON ADMISSION IS A PREDICTOR OF ARDS DEVELOPMENT AMONG PATIENTS AT RISK**
Festic, E., Levitt, J., Kor, D., Gajic, O.
LIPPINCOTT WILLIAMS & WILKINS.2012: U176
- **Pathogenetic and predictive value of biomarkers in patients with ALI and lower severity of illness: results from two clinical trials** *AMERICAN JOURNAL OF PHYSIOLOGY-LUNG CELLULAR AND MOLECULAR PHYSIOLOGY*
Agrawal, A., Zhuo, H., Brady, S., Levitt, J., Steingrub, J., Siegel, M. D., Soto, G., Peterson, M. W., Chesnutt, M. S., Matthay, M. A., Liu, K. D.
2012; 303 (8): L634-L639
- **Clinical review: Early treatment of acute lung injury - paradigm shift toward prevention and treatment prior to respiratory failure** *CRITICAL CARE*
Levitt, J. E., Matthay, M. A.
2012; 16 (3)
- **Clarithromycin for prevention of bronchiolitis obliterans syndrome in lung allograft recipients** *CLINICAL TRANSPLANTATION*
Dhillon, G. S., Valentine, V. G., Levitt, J., Patel, P., Gupta, M. R., Duncan, S. R., Seoane, L., Weill, D.
2012; 26 (1): 105-110
- **PATIENT-RELATED FACTORS ASSOCIATED WITH HOSPITAL DISCHARGE TO A CARE FACILITY AFTER CRITICAL ILLNESS** *AMERICAN JOURNAL OF CRITICAL CARE*
Gehlbach, B. K., Salamanca, V. R., Levitt, J. E., Sachs, G. A., Sweeney, M. K., Pohlman, A. S., Charbeneau, J., Krishnan, J. A., Hall, J. B.
2011; 20 (5): 378-386
- **The utility of clinical predictors of acute lung injury: towards prevention and earlier recognition.** *Expert review of respiratory medicine*
Levitt, J. E., Matthay, M. A.
2010; 4 (6): 785-797
- **Impact of Hepatitis B Core Antibody Positive Donors in Lung and Heart-Lung Transplantation: An Analysis of the United Network for Organ Sharing Database** *TRANSPLANTATION*
Dhillon, G. S., Levitt, J., Mallidi, H., Valentine, V. G., Gupta, M. R., Sista, R., Weill, D.
2009; 88 (6): 842-846
- **Does Itraconazole Improve Quality of Life in Severe Asthma with Fungal Sensitization?** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Khazeni, N., Levitt, J. E.
2009; 180 (2): 191-192
- **The pathogenetic and prognostic value of biologic markers in acute lung injury.** *Journal of intensive care medicine*
Levitt, J. E., Gould, M. K., Ware, L. B., Matthay, M. A.
2009; 24 (3): 151-167
- **Identification of Early Acute Lung Injury at Initial Evaluation in an Acute Care Setting Prior to the Onset of Respiratory Failure** *CHEST*
Levitt, J. E., Bedi, H., Calfee, C. S., Gould, M. K., Matthay, M. A.
2009; 135 (4): 936-943
- **Randomized clinical trial of activated protein C for the treatment of acute lung injury** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Liu, K. D., Levitt, J., Zhuo, H., Kallet, R. H., Brady, S., Steingrub, J., Tidswell, M., Siegel, M. D., Soto, G., Peterson, M. W., Chesnutt, M. S., Phillips, C., Weinacker, et al
2008; 178 (6): 618-623
- **Diagnostic utility of B-type natriuretic peptide in critically ill patients with pulmonary edema: a prospective cohort study** *CRITICAL CARE*
Levitt, J. E., Vinayak, A. G., Gehlbach, B. K., Pohlman, A., Van Cleve, W., Hall, J. B., Kress, J. P.
2008; 12 (1)
- **Daily sedative interruption in mechanically ventilated patients at risk for coronary artery disease** *CRITICAL CARE MEDICINE*

Kress, J. P., Vinayak, A. G., Levitt, J., Schweickert, W. D., Gehlbach, B. K., Zimmerman, F., Pohlman, A. S., Hall, J. B.
2007; 35 (2): 365-371

- **Usefulness of the external jugular vein examination in detecting abnormal central venous pressure in critically ill patients** *ARCHIVES OF INTERNAL MEDICINE*
Vinayak, A. G., Levitt, J., Gehlbach, B., Pohlman, A. S., Hall, J. B., Kress, J. P.
2006; 166 (19): 2132-2137
- **Treatment of acute lung injury: Historical perspective and potential future therapies** *SEMINARS IN RESPIRATORY AND CRITICAL CARE MEDICINE*
Levitt, J. E., Matthay, M. A.
2006; 27 (4): 426-437
- **Poor choice of primary outcome in a clinical trial of pirfenidone in patients with IPF** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
LEVITT, J., Gould, M. K.
2005; 172 (9): 1228-1229