

CURRICULUM VITAE

(Revised January 4, 2004)

Name: I. Marc Moss, M.D. Date of Birth:

Title: Associate Professor of Medicine, Division of Pulmonary and Critical Care Medicine. Emory University School of Medicine. Atlanta, Georgia Place of Birth: Citizenship: United States Social Security Number:

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EDUCATION

1979-1983 Amherst College; Amherst, Massachusetts
B.A., Biology

1983-1987 University of Pennsylvania; Philadelphia, Pennsylvania
M.D., School of Medicine

1992-1994 University of Colorado; Denver, Colorado
Department of Preventative Medicine and Biometrics
4 semesters (11 credit hours) in Epidemiology
4 semesters (11 credit hours) in Biostatistics

ACADEMIC APPOINTMENTS

2001-present Associate Professor of Medicine
Division of Pulmonary and Critical Care Medicine
Emory University School of Medicine

1995-2001 Assistant Professor of Medicine
Division of Pulmonary and Critical Care Medicine
Emory University School of Medicine

1994-1995 Instructor, Pulmonary Sciences and Critical Care Medicine
University of Colorado Health Sciences Center

1991-1994 Fellow, Pulmonary Sciences and Critical Care Medicine
University of Colorado Health Sciences Center

1991 Visiting Professor of Medicine
Ban Phai Hospital, Ban Phai, Thailand

1988-1990 Resident, Internal Medicine
Hospital of the University of Pennsylvania

1987-1988 Intern, Internal Medicine
Hospital of the University of Pennsylvania

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

2001-present Chief, Section of Pulmonary and Critical Care
Grady Memorial Hospital, Emory University

2000-present Director, Medical and Cardiac Intensive Care Unit
Grady Memorial Hospital, Emory University

1996-2000 Director, Medical Intensive Care Unit
Crawford Long Hospital, Emory University

1996-2000 Director, Pulmonary Physiology Laboratory
Crawford Long Hospital, Emory University

1996-2000 Associate Director, Respiratory Care Services
Crawford Long Hospital, Emory University

BOARD CERTIFICATION

National Board of Medical Examiners - 1988
Board of Internal Medicine - 1990
Board of Pulmonary Medicine - 1994
Board of Critical Care Medicine - 1995

JOURNAL REVIEW WORK

American Journal of Respiratory and Critical Care Medicine
American Journal of Medicine
Chest
Critical Care Medicine
Intensive Care Medicine

EXTRAMURAL GRANTS

Substance Abuse and the Adult Respiratory Distress Syndrome. American Lung Association Research Grant. **Principal Investigator**. July 1996-June 1998.

Acute Lung Injury: Alcoholism and Glutathione Depletion. RO1 grant. **Co-Investigator**. April 1999-March 2003.

Alcoholism and Lung Injury: The Role of Cirrhosis and Glutathione Deficiency. R21 grant. **Principal Investigator**. September 2000-August 2003.

NIAAA Institutional training grant in alcohol research. T32 AA13528-01. **Associate Director for Clinical Research**. 7/1/01-6/30/06.

NIAAA Alcohol Research Center Grant. P50 AA013757-01. **Clinical Director of the Center, and Principal Investigator of Clinical Core and Project #6** entitled, "The epidemiological association between chronic alcohol abuse and ARDS". 1/1/03-12/31/07.

Alcohol Abuse and Alveolar Epithelial Permeability. RO-1 grant. **Principal Investigator** (Submitted).

INDUSTRY SPONSORED GRANTS

Randomized, Placebo-Controlled Trial of E5 Monoclonal Antibody in Patients with Severe Gram Negative Sepsis. Principal Investigator. January 1996-April 1997.

A Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Procysteine in the Treatment of Patients with Acute Respiratory Distress Syndrome. Principal Investigator. June 1997- April 1998.

A Multi-Center, Phase IIb, Randomized, Placebo-Controlled Trial of Affinity Purified, Anti-Tumor Necrosis Factor Alpha, Ovine Fab, for injection in Sepsis Syndrome. Principal Investigator. September 1997- June 1998.

A Phase II Study to Determine the Efficacy and Safety of LY315920 in Patients with Severe Sepsis. Principal Investigator. November 1998- August 1999.

Venticute (rSP-C Surfactant) for the Treatment of Acute Respiratory Distress Syndrome. Principal Investigator, October 1999-October 2000.

A Prospective Multicenter Study of Anemia in the Intensive Care Unit. Principal Investigator, October 2000-March 2001.

A Phase III Study to Demonstrate the Safety and Efficacy of Recombinant Platelet-Activating Factor Acetylhydrolase (rPAF-AH) for Reducing 28 Day All Cause Mortality in Patients with Severe Sepsis. Principal Investigator, September 2001-December 2002.

A Multi-center, Randomized, Controlled Trial Comparing the Safety and Effectiveness of Surfaxin Delivered via Bronchopulmonary Segmental Lavage to Standard of Care in Patients with Acute Respiratory Distress Syndrome (ARDS). Principal Investigator, October 2002 – present.

AWARDS AND HONORS

American Lung Association Edward Livingston Trudeau Scholar for the research grant entitled “Substance Abuse and the Adult Respiratory Distress Syndrome”. This was one of the top six grants out of 220 applications selected for this honor. 1996-1998.

Golden Apple Award for Excellence in Teaching at Crawford Long Hospital. Awarded by the Emory University Medical Housestaff. 1997-1998 and 1998-1999.

Golden Apple Award for Excellence in Teaching at Grady Memorial Hospital. Awarded by the Emory University Medical Housestaff 2000-2001 and 2002-2003.

Emory University Attending Teaching Award. Awarded by the Emory University Internal Medicine Residency Program. 2002.

Emory University Dean’s Clinical Investigator Award 2004-2006. This is an award of per year for three years.

J. Willis Hurst Internal Medicine Residency Program Mentorship Award. Awarded by the Emory University Internal Medicine Residency Program. 2004.

COMMITTEES

NIH: NHLBI Task Force on Research in Cardiopulmonary Dysfunction, Critical Care Medicine. 1993-1994.

GUIDe (Guidelines for Use of Intensive Care in Denver), Member of the Adult Intensive Care Subcommittee. 1993-1995.

Ethics Committee at Crawford Long Hospital. 1996-1997.

Critical Care Committee at Crawford Long Hospital. 1996-2000.

Critical Care Committee at Grady Memorial Hospital. 2000-2003.

NIH:NHLBI Study Section to review grant applications for the ARDS network. 2000.

NIH:NHLBI Working Group: Research opportunities in the clinical epidemiology of lung injury and critical illness. 2000-2001.

American Thoracic Society: Critical Care Assembly Committee. 2001-2003.

Human Tissue Procurement and Bank Service Advisory Committee, Emory University School of Medicine. 2002-2004.

Centers for Disease Control and Prevention: Severe Acute Respiratory Syndrome (SARS) Clinical Working Group. 2003-2004.

American Thoracic Society: Education Committee. 2002-present.

American Thoracic Society: Communications Committee. 2002-present.

American Lung Association of Georgia / Georgia Thoracic Society: Scientific Review Committee. 2003-present.

INVITED LECTURES (Outside of the Emory System)

1. *"The epidemiology of the acute respiratory distress syndrome"* Medical Grand Rounds, Danbury Hospital, Danbury, CT; 1997.
2. *"Diabetic patients with septic shock have a decreased incidence of the acute respiratory distress syndrome (ARDS)"* American Thoracic Society International Conference, San Francisco, CA; 1997.
3. *"Acute respiratory distress syndrome (ARDS) in adults"* Medical Grand Rounds, Northside Hospital, Atlanta, GA; 1998.
4. *"Who develops ARDS: the role of co-morbid conditions"* American Thoracic Society International Conference, Chicago, IL; 1998.
5. *"Chronic alcohol abuse and acute lung injury: The experimental and epidemiological evidence"* American Thoracic Society International Conference, San Diego, CA; 1999.

6. *“Trends in Acute Respiratory Distress Syndrome (ARDS) Deaths in the United States: Analysis of Multiple-Cause Mortality Data (1979-1996)”* American Thoracic Society International Conference, Toronto, Canada; 2000.
7. *“Racial and gender differences in acute respiratory distress syndrome (ARDS) deaths in the United States (1979-1996).”* NATO sponsored Advanced Study Institute, Etiology and Treatment of Acute Lung Injury: From Bench to Bedside. Corfu, Greece, 2000.
8. *“Acute respiratory distress syndrome, what is new?”* Medical Grand Rounds, University of Puerto Rico School of Medicine, San Juan, PR, 2000.
9. *“The role of comorbidity in the acute respiratory distress syndrome”* Medical Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 2000.
10. *“Racial differences in the incidence of ARDS in the United States: Analysis of national hospital discharge data (1994-1998)”*. American Thoracic Society International Conference, San Francisco, CA; 2001.
11. *“Alcohol, Diabetes, and ARDS”* Invited Conference Speaker, 15th Annual Kjeldgaard Day Symposium, Maine Medical Center, Portland, ME, 2001.
12. *“ARDS and the role of co-morbidity”* Medical Grand Rounds, Morehouse School of Medicine, Atlanta, GA, 2002.
13. Co-Chairman, Critical Care Track Symposium, *“Building the Critical Care Clinical Research Laboratory: A Practical Approach”* American Thoracic Society International Conference, Atlanta, GA; 2002.
14. *“Translational Research: A Bidirectional Flow of Ideas”* American Thoracic Society International Conference, Atlanta, GA; 2002.
15. *“Alcohol abuse and bacterial pneumonia”* American College of Chest Physicians International Conference, San Diego, CA; 2002.
16. *“ARDS and chronic alcohol abuse”* American College of Chest Physicians International Conference, San Diego, CA; 2002.
17. *“Alcohol abuse, ARDS, and multiple organ dysfunction”* 4th Annual Margaux Conference, Sintra, Portugal, 2002.
18. *“Alcohol abuse and ARDS: from the bedside to the bench and back again”* Visiting Professor, University of Washington in Seattle, 2003.
19. Co-Chairman, Critical Care Track Symposium, *“Five special problems in the ICU: Cirrhosis, alcohol abuse, pregnancy, HIV, and care for the elderly”* American Thoracic Society International Conference, Seattle, WA; 2003.
20. *“The impact of population heterogeneity in translational ICU studies”* American Thoracic Society International Conference, Seattle, WA; 2003.
21. *“Alcohol abuse and dependence: An unrecognized problem”* American Thoracic Society International Conference, Seattle, WA; 2003.

22. *“Chronic alcohol abuse in the ICU”* Ozark Chest Conference, Missouri Thoracic Society, Lake of the Ozarks, MO; 2003.
23. *“ARDS”* First Annual Wake Forest Critical Care Conference, Blowing Rock, NC, 2003.
24. *“The epidemiology of sepsis and ARDS”* Pulmonary Grant Rounds, University of Michigan, Ann Arbor, MI, 2003.

PUBLICATIONS

1. Khanna O, Barbieri E, Moss M, et al. Effects of calcium and verapamil on vesicourethral smooth muscle in rabbits. **Urology** 22: 284-290; 1983.
2. Moss M, Neff TA, Colby TV, Schwarz MI, Zamora MR. Diffuse alveolar hemorrhage due to antibasement membrane antibody disease appearing with a polyglandular autoimmune syndrome. **Chest** 105: 296-298; 1994.
3. Moss M, Ackerson L, Gillespie MK, Moore FA, Moore EE, Parsons PE. Von Willebrand factor antigen levels do not predict the development of the adult respiratory distress syndrome. **Am J Respir Crit Care Med** 151:15-20; 1995.
4. Moss M, Goodman P, Henig M, Barkin S, Ackerson L, Parsons PE. Establishing the relative accuracy of three new definitions of the adult respiratory distress syndrome. **Crit Care Med** 23: 1629-1637; 1995.
5. Moss M, Bucher B, Moore FA, Moore EE, Parsons PE. The role of chronic alcohol abuse in the development of acute respiratory distress syndrome in adults. **JAMA** 275: 50-54; 1996.
6. Moss M, Gillespie MK, Ackerson L, Moore FA, Moore EE, Parsons PE. Endothelial cell activity varies in patients at risk for the adult respiratory distress syndrome. **Crit Care Med** 24: 1782-1786; 1996.
7. Connelly KG, Moss M, Parsons PE, Moore EE, Moore FA, Giclas P, Seligman P, Repine J. Serum ferritin as a predictor of the adult respiratory distress syndrome. **Am J Respir Crit Care Med** 155: 21-25; 1997.
8. Parsons PE, Moss M, Gillespie MK, Moore EE, Moore FA, Repine J. IL-10 and IL-1ra levels in patients with the acute respiratory distress syndrome. **Am J Respir Crit Care Med** 155: 1469-1473; 1997.
9. Holguin F, Moss M, Brown LAS, Guidot DM. Ethanol ingestion alters lung glutathione homeostasis and increases susceptibility to acute lung injury in rats. **J Clin Invest** 1998; 101: 761-768.
10. Moss M, Parsons PE. What is acute respiratory distress syndrome? **J Intensive Care Med** 1998; 13: 59-67.
11. TenHoor T, Hewan-Lowe K, Miller J, Moss M. A transitional variant of Castleman’s disease presenting as a chylous pleural effusion. **Chest** 1999; 115: 285-288.

12. Moss M, Trow T, Clardy N. Differences in the response time of pages originating from the intensive care unit. **Chest** 1999; 116: 1019-1024.
13. Lois M, Brown LAS, Moss M, Roman J, Guidot DM. Ethanol ingestion increases activation of activation of matrix metalloproteinases in rat lungs during acute endotoxemia. **Am J Respir Crit Care Med** 1999; 160: 1354-1360.
14. Moss M, Steinberg KP, Guidot DM, Duhon GF, Treece P, Wolken R, Hudson LD, Parsons PE. The effects of chronic alcohol abuse on the incidence of the acute respiratory distress syndrome (ARDS) and the severity of the multiple organ dysfunction syndrome (MODS) in adults with septic shock. **Chest** 1999; 116: 97-98S.
15. Moss M, Guidot DM, Wong-Lambertina MJ, Ten Hoor T, Perez R, Brown LAS. Glutathione levels are decreased in the bronchoalveolar lavage fluid of chronic alcoholics. **Am J Respir Crit Care Med** 2000; 161: 414-419.
16. Moss M, Guidot DM, Steinberg KP, Duhon GF, Treece P, Wolken R, Hudson LD, Parsons PE. Diabetic patients with septic shock have a decreased incidence of the acute respiratory distress syndrome (ARDS) **Crit Care Med** 2000; 28: 2187-2192.
17. Guidot DM, Modelska K, Lois M, Jain L, Moss M, Pittet JF, Brown LAS. Ethanol ingestion, via glutathione depletion, impairs alveolar epithelial barrier function in rats. **Am J Physiol (Lung Cell Mol. Physiol)** 2000; 279: L127-L135 .
18. Maloney JP, Halbower AC, Balasubramanian V, Pike A, Fennessey P, Fouty BF, Fagan K, Moss M. A blue-green death: systemic absorption of enteral feeding dye during critical illness. **New Eng J Med** 2000; 343: 1047-1048.
19. TenHoor TL, Mannino DM, Moss M. Risk factors for acute respiratory distress syndrome in the United States: Analysis of the 1993 National Mortality Followback Study. **Chest** 2001; 119: 1179-1184.
20. Maloney JP, Ryan T, Brasel K, Johnson D, Morrison JL, Frankel EH, Nyffeler M, Moss M. Food dye use in enteral feedings: A review and a call for a moratorium. **Nutr Clin Practice** 2002; 17: 169-181.
21. Moss M, and Mannino DM. Racial and gender differences in acute respiratory distress syndrome (ARDS) deaths in the United States: Analysis of multiple-cause mortality data (1979-1996). **Crit Care Med** 2002; 30: 1679-1685.
22. Foreman M, TenHoor TL, Brown LAS, Moss M. Alterations in pulmonary glutathione homeostasis in patients with chronic liver dysfunction. **Alcohol Clin: Exp Res** 2002; 26: 1840-1845.
23. Moss M, Wellman DA, Cotsonis GA. An appraisal of multivariable logistic models in the pulmonary and critical care literature. **Chest** 2003; 123: 923-928.
24. Moss M, Parsons PE, Steinberg KP, Hudson LD, Guidot DM, Burnham E, Eaton S, Cotsonis GA. The effects of chronic alcohol abuse on the incidence of the acute respiratory distress syndrome (ARDS) and the severity of the multiple organ dysfunction syndrome (MODS). **Crit Care Med** 2003; 31: 869-877.

25. Martin GS, Mannino DM, Eaton S, Moss M. Epidemiology of sepsis in the United States: Incidence, Demographics, and Outcome from 1979-2000. **New Eng J Med** 2003; 348: 1546-1554.
26. Foreman MG, Mannino DM, Moss M. Cirrhosis as a risk factor for sepsis and death: Analysis of the National Hospital Discharge Survey. **Chest** 2003; 124: 1016-1020.
27. Burnham E, Brown LAS, Halls L, Moss M. Prolonged glutathione deficiency and increased total protein concentrations in the epithelial lining fluid of chronic alcoholics. **Alcohol Clin: Exp Res** 2003; 27: 1167-1172.
28.
..... (Accepted
29.
..... (Submitted).
30.
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CHAPTERS AND REVIEWS

1. Moss M, and Make BJ. Pulmonary response to exercise in health and disease. **Sem Respir Med** 14: 106-120; 1993.
2. Moss M. Pulmonary embolism. in: **Case Oriented Problems in Internal Medicine**. RW Schrier (ed), Little Brown Co. 1994.
3. Moss M, and Parsons PE. Mechanical ventilation in the adult respiratory distress syndrome. **Sem Respir Med** 15: 289-299; 1994.
4. Parsons PE, and Moss M. Early detection and markers of sepsis. **Clinics in Chest Med** 17: 1 99-212; 1996.
5. Moss M. Adult respiratory distress syndrome. in: **Pulmonary Secrets**. PE Parsons and JE Heffner (First edition), Hanley & Belfus. 1996.
6. Moss M. Clinical Checklist: The acute respiratory distress syndrome. **Cortlandt Forum** 10: 217-227; 1997.
7. Parsons PE, and Moss M. Circulating markers of sepsis and acute lung injury. in: **Textbook of Sepsis and Multiorgan Failure**. AM Fein, E Abraham, R Balk, G Bernard, RC Bone, D Dantzker, M Fink (ed), Williams & Wilkens. 1997.
8. Moss M. Venous Thromboembolism. in: **Critical Care Secrets**. PE Parsons and J Wiener-Kronish (ed), Hanley & Belfus. 1998.
9. Moss M, and Ingram R. Acute respiratory distress syndrome. in: **Harrison's Principles of Internal Medicine**. Braunwald, Fauci, Kasper, Hauser, Longo, Jameson (eds) 15th edition. 2001.
10. Moss M. The role of alcohol in severe pneumonia and acute lung injury. in: **Perspectives on Critical Care Infectious Disease**. Rello and Leeper (ed), Kluwer Academic. 2001.

11. Moss M, and Ingram R. Acute respiratory failure. in: **Scientific American Medicine**. Dale DC and Federman DD (ed). 2001.
12. Eaton S, and Moss M. Adult respiratory distress syndrome. in: **Pulmonary Secrets**. PE Parsons and JE Heffner (Second edition), Hanley & Belfus. 2001.
13. Foreman M, and Moss M. The role of hepatic dysfunction in critical illness. **Pulmonary Perspectives** 18: 8-9; 2001.
14. Guidot DM, Moss M, and Brown LS. Ethanol ingestion, via glutathione depletion, impairs alveolar epithelial function and renders the lung susceptible to acute injury during oxidative stress. **Etiology and Treatment of Acute Lung Injury: From bench to bedside**. Matalon, S. and Sznajder, J.I. ed. Volume 336 in the NATO Science Series. IOS Press, Amsterdam/Berlin/Oxford/Tokyo/Washington, D.C. 2001.
15. Burnham E, Guidot DM, Brown LAS, Moss M. Alcohol, Sepsis, and ARDS. **Advances in Sepsis** 1: 125-131, 2002.
16. Foreman M, and Moss M. Venous Thromboembolism. in: **Critical Care Secrets**. PE Parsons and J Wiener-Kronish (2nd ed), Hanley & Belfus. 2002.
17. Moss M, and Thompson T. Definitions and clinical risk factors. In: **Acute Respiratory Distress Syndrome: Lung Biology and Health and Disease Series**. M. Matthay (ed), Marcel Dekker. Volume 179, 2003.
18. Burnham EL, Moss M, Martin GS. The effect of alcohol consumption on risk for sepsis and ARDS. In: **23rd ISICEM Yearbook**. pages 86-95, 2003.
19. Moss M, Burnham EL. Chronic alcohol abuse, ARDS, and multiple organ dysfunction. **Crit Care Med** 2003; 31: S207-212.
20. Silverboard H, Martin GS, Moss M. ARDS: Diagnosis and clinical presentation. **J Respir Dis** 2003; 24: 340-348.
21. Leeper KV, and Moss M. Bacterial Pneumonia. In: **Current Diagnosis and Treatment in Pulmonary Disease**. Hanley M and Welsh C. (eds), McGraw-Hill, 2003.

INVITED EDITORIALS

1. Burnham E, and Moss M. A potential new therapy for sepsis: Learning for prior experience. **Crit Care Med**. 2001; 29: 690-691.
2. Martin GS, and Moss M. The crystal ball for ALI prognosis: filled with surfactant? **Crit Care Med** 2003; 31: 311-313.
3. Moss M, and Martin GS. A global perspective on the epidemiology of sepsis. (Accepted **Int Care Med**).

RECENT ABSTRACTS (2001-2003)

1. Eaton S, Burnham E, Steinberg KP, Hudson LD, Parsons PE, Moss M. Direct lung injury is associated with an increased incidence of the acute respiratory distress syndrome in septic patients. **Am J Respir Crit Care Med** 163; A448, 2001.
2. Burnham E, Brown LAS, Eaton S, Moss M. Prolonged glutathione deficiency and increased total protein concentrations in the epithelial lining fluid of chronic alcoholics. **Am J Respir Crit Care Med** 163; A816, 2001.
3. Maloney J, Ryan T, Batchelder S, Halbower A, Fouty B, Bhargava R, Balasurbramian V, Moss M. Food dye absorption from enteral feedings in sepsis: A report of 3 deaths and a survey of current dye use practice. **Am J Respir Crit Care Med** 163; A895, 2001.
4. Burnham EL, Steinberg KP, Haber MJ, Hudson LD, Parsons PE, Moss M. Duration of mechanical ventilation and length of stay are increased in ARDS survivors with a history of alcohol abuse. **Am J Respir Crit Care Med** 165; A219, 2002.
5. Burnham EL, Eaton S, Moss M. The positive predictive value of ICD-9 codes for the diagnosis of acute lung injury. **Am J Respir Crit Care Med** 165; A220, 2002.
6. Martin GS, Mannino DM, Moss M. Sepsis, organ failure, and mortality in the United States. **Am J Respir Crit Care Med** 165; A471, 2002.
7. Martin GS, Mannino DM, Moss M. Epidemiologic shifts in sepsis in the United States, 1979-1999. **Am J Respir Crit Care Med** 165; A471, 2002.
8. Foreman MG, Mannino DM, Moss M. Hospitalized patients with cirrhosis are at increased risk of sepsis and death. **Am J Respir Crit Care Med** 165; A471, 2002.
9. Eaton S, Burnham EL, Martin GS, Moss M. The ICD-9 code for septicemia maintains a high positive predictive value for clinical sepsis. **Am J Respir Crit Care Med** 165; A471, 2002.
10. Burnham EL, Harris F, Moss M, Brown LAS. Plasma and lung E-selectin levels are elevated in ARDS patients with chronic alcohol abuse. **Am J Respir Crit Care Med** 165; A476, 2002.
11. Eaton S, Moss M, Martin GS. Extravascular lung water correlates with oxygenation and lung injury in patients with severe sepsis. **Am J Respir Crit Care Med** 165; A712, 2002.
12. Kershaw C, Martin GS, Moss M. Patient and family member agreement on the alcohol history of ICU patients. **Am J Respir Crit Care Med** 167; A251, 2003.
13. Martin GS, Mannino DM, Moss M. The effect of cancer on risks and outcomes in sepsis. **Am J Respir Crit Care Med** 167; A549, 2003.
14. Burnham EL, Moss M, Patel H, Brown LAS. Epithelial lining fluid (ELF) hydrogen peroxide is elevated in subjects with a history of chronic alcohol abuse. **Am J Respir Crit Care Med** 167; A661, 2003.
15. Silverboard HP, Adams MR, Moss M. Health related quality (HRQoL) and neurocognitive function may be overestimated in survivors of acute respiratory distress syndrome. **Am J Respir Crit Care Med** 167; A738, 2003.

16. Silverboard HP, Aisiku I, Adams MR, Martin GS, Rozycki GS, Moss M. Transfusion requirements among trauma patients and the incidence of acute respiratory distress syndrome (ARDS). **Am J Respir Crit Care Med** 167; A740, 2003.
17. Martin GS, Mannino DM, Moss M. Effect of age on the development and outcome with sepsis. **Am J Respir Crit Care Med** 167; A837, 2003.

MANUSCRIPTS IN PREPARATION

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2.
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