

CURRICULUM VITAE

Date of Revision: 5/8/2015

Name: Adrian A. Maung M.D., FACS

School: Yale University School of Medicine

Education:

B.S. Massachusetts Institute of Technology (Mechanical Engineering, Minor in Biology) 1996

M.D. University of Pittsburgh (Doctor of Medicine, Cum Laude) 2000

Career/Academic Appointments:

2000-07 Resident in General Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA

2003-05 Post-Doctoral Research Fellow (Immunology), Brigham and Women's Hospital, Harvard Medical School, Boston, MA

2007-08 Fellow in Surgical Critical Care and Trauma Surgery, R Adams Cowley Shock Trauma Center, Baltimore, MD

2008-2014 Assistant Professor, Dept. of Surgery, Section of Trauma, Critical Care and Surgical Emergencies, Yale School of Medicine, New Haven, CT

2014-present Associate Professor, Dept. of Surgery, Section of Trauma, Critical Care and Surgical Emergencies, Yale School of Medicine, New Haven, CT

Board Certification:

American Board of Surgery: General Surgery, 2008

American Board of Surgery: Critical Care, 2008

Professional Honors & Recognition

International/National/Regional

2013: Eastern Association for the Surgery of Trauma Leadership Development Workshop Scholarship Award

2009: Shock Trauma Hero Award, University of Maryland

2003: Marshall K. Bartlett Research Fellowship, Massachusetts General Hospital

2000: Pittsburgh Surgical Society Senior Student Award

1998: Alpha Omega Alpha Honor Medical Society

1996: Sigma Xi Scientific Research Society

1995: Pi Tau Sigma National Mechanical Engineering Honor Society

1995: Tau Beta Pi National Engineering Honor Society

Grant/Clinical Trials History:

Past Grants

Agency: National Trauma Institute /Department of Defense

I.D. # Primary: W81XWH-11-1-0841

Sub-award: NTI-NCH-10-020h

Title: “Splenic Injury Prospective Outcomes Trial”

Role: Yale Site Principal Investigator

Percent effort: 3%

Total costs for project period: \$25412

Project period: 01/9/2012 – 01/8/2013

Agency: Atox Bio Ltd.

I.D. # 44173R

Title: “Clinical Experience with Necrotizing Soft Tissue Infections at YNHH in 2013”

Role: Principal Investigator

Percent effort: 1%

Total costs for project period: \$3800

Project period: 05/1/2014 – 5/1/2015

Invited Speaking Engagements, Presentations, Symposia & Workshops:

International/National

- 2013 Harvard Medical School Trauma & Critical Care Symposium, Boston MA – Invited Moderator “New Methods for Old Problems”
- 2013 Harvard Medical School Trauma & Critical Care Symposium, Boston MA – Invited speaker “What’s new in hemodynamic monitoring?”
- 2011 Harvard Medical School Trauma & Critical Care Symposium, Boston MA “The Best Intensivist”, Boston MA
- 2011 Harvard Medical School Trauma & Critical Care Symposium, Boston, MA. - Invited Moderator “Critical Care Extraordinaire”
- 2011 Eastern Association for the Surgery of Trauma 24th Annual Meeting, Naples FL. - Moderator and Panel Discussant “Advanced Ventilation”
- 2011 Eastern Association for the Surgery of Trauma 24th Annual Meeting, Naples FL - Invited Discussant “IgA downregulates inflammatory potential by innate defenses in vitro Presented by Dr. Lawrence Diebel”
- 2010 Eastern Association for the Surgery of Trauma 23rd Annual Meeting, Phoenix AZ - Invited Discussant “Direct vascular control results in less physiologic derangement than proximal

aortic clamping in a porcine model of non-compressible extra-thoracic torso hemorrhage.
Presented by Dr. Joseph White”

Regional

- 2014 New Haven Sponsor Hospital: “Tactical Medicine”
- 2014 Yale New Haven Hospital Surgery Grand Rounds: “Small Bowel Obstruction: From photons to x-rays”
- 2013 American College of Surgeons Connecticut Chapter Annual Meeting, Framingham, CT – Invited Moderator: “Social Media for Physicians”
- 2013 American College of Surgeons Advanced Trauma Life Support Course: Course Director and Lecturer, New Haven CT
- 2013 Connecticut Trauma ’13: 15th Annual Conference: “Penetrating Thoracoabdominal Injury: Controversies in Surgical Approach.”
- 2012 American College of Surgeons Advanced Trauma Life Support Course: Course Director and Lecturer, New Haven CT
- 2011 American College of Surgeons Advanced Trauma Life Support Course: Course Director and Lecturer, New Haven CT
- 2010 Yale New Haven Hospital Surgery Grand Rounds: “Pulmonary Embolism: Making the Diagnosis in 2010”
- 2010 Yale New Haven Hospital Urology Grand Rounds: “Pulmonary Embolism in 2010.”
- 2009 Connecticut 11th Annual Trauma Conference: “Interesting Cases”
- 2008 Bridgeport Hospital Grand Rounds: “Recombinant Factor VIIa in Trauma and Surgery: Where do we stand.”
- 2008 William W. Backus Hospital Grand Rounds: “Damage Control Surgery: Trauma Laparotomy and Beyond.”

Peer-Reviewed Presentations & Symposia

International/National

- 2014 GL Piper, LJ Kaplan, **AA Maung**, FY Lui, K Barre, KA Davis. “Using the Rothman Index to Prevent Unplanned SICU Readmissions” Oral Presentation, Eastern Association for the Surgery of Trauma Meeting, Naples, FL
- 2013 JJ Dubose, C Brown, M Esparza, P Ferrada, K Inaba, SB Johnson, ME Lissauer, X Luo-Owen, **AA Maung**, T O’Callaghan, O Okoye, TM Scalea, AM Wilson. “Pneumatosis Intestinalis

- Predictive Evaluation Score (PIPES): A Multicenter Center Epidemiologic Study” Oral Presentation Eastern Association for the Surgery of Trauma Meeting, Phoenix, AZ
- 2013 ML Wang, KM Schuster, B Bhattacharya, AA **Maung**, LJ Kaplan, KA Davis. “Endotracheal Tube Repositioning: How Accurate?” Poster Presentation Eastern Association for the Surgery of Trauma Meeting, Phoenix, AZ
- 2012 **AA Maung**, KM Schuster, LJ Kaplan, MF Ditillo, LL Maerz, FY Lui and KA Davis. “Compared to Conventional Ventilation, Airway Pressure Release Ventilation Increases Ventilator Days in Trauma Patients” Poster Presentation Eastern Association for the Surgery of Trauma Meeting, Orlando, FL
- 2011 CP Michetti, SM Fakhry, PL Ferguson, A Cook, Moore, FO Moore, R Gross and **AAST Ventilator Associated Pneumonia Investigators**. “Ventilator-Associated Pneumonia Rates at Major Trauma Centers Compared to a National Benchmark: Multi-Institutional Study of the AAST.” Oral Presentation The American Association for the Surgery of Trauma Annual Meeting, Chicago, IL
- 2011 **AA Maung**, KM Schuster, LJ Kaplan, KA Davis. “*Risk of venous thromboembolism after spinal cord injury: not all levels are the same*” Poster Presentation The American Association for the Surgery of Trauma Annual Meeting, Chicago IL
- 2011 LJ Kaplan, KM Schuster, LL Maerz, FY Lui, **AA Maung**, DC Johnson, KA Davis. “*When the ICU is The OR*”. Oral Presentation Academic Surgical Congress Annual Meeting, Huntington Beach, CA
- 2010 M De Freese, KM Schuster, LJ Kaplan, **AA Maung**, M Ditillo, F Lui, D Johnson, K Davis. “*Outcomes of Alcohol use in Elderly Trauma Patients*” Poster Presentation. The American Association for the Surgery of Trauma Annual Meeting, Boston MA
- 2010 BZ Phillips, DT Harrington, J Machan, N Zacharias, G Velmahos, M Rosenblatt, E Winston, L Patterson, S Desjardins, R Winchell, S Brotman, J Schulz, **A Maung**, K Davis. “*A Risk adjusted mortality analysis of rib fracture patients reveals important treatment variations between trauma centers. (A RECONNECT Study)*” Oral Presentation. The American Association for the Surgery of Trauma Annual Meeting, Boston MA
- 2010 KM Schuster, E McGillicuddy, **AA Maung**, FY Lui, LJ Kaplan, KA Davis. “*Can acute care surgeons perform emergency colorectal procedures with good outcomes?*” Oral Presentation. The American Association for the Surgery of Trauma Annual Meeting, Boston MA
- 2010 **AA Maung**, KM Schuster, LJ Kaplan, FY Lui, LL Maerz, DC Johnson, KA Davis. “*Routine / Protocol evaluation of trauma patients with suspected syncope is unnecessary.*” Poster Presentation. Eastern Association for the Surgery of Trauma Meeting, Phoenix AZ
- 2006 PH. Lapchak, S Fujimi, MP MacConmara. **AA Maung**, JA. Mannick., JA Lederer, “*Platelets Provide Immune-Modulating Signals During the Host Response To Injury.*” Poster Presentation, Shock Society Meeting, Broomfield, CO
- 2006 MP MacConmara, **AA Maung**, S Fujimi, AM McKenna, A Delisle, PH Lapchak, JA Lederer, JA Mannick. “*Increased CD4+CD25+ T Regulatory Cell Activity In Trauma Patients*

Depresses Protective Th1 Immunity.” Oral Presentation, American Surgical Association Meeting Boston, MA

- 2006 S Fujimi, MP MacConmara, **AA Maung**, JA Mannick, JA Lederer, PH Lapchak. “*Transforming Growth Factor-Beta is One Component of Immune Protection by Platelets After Severe Injury.*” Oral Presentation, Surgical Infection Society, San Diego CA
- 2006 MP MacConmara, S Fujimi, **AA Maung**, JA Mannick, JA Lederer, PH Lapchak. “*CD154 Release by Platelets May Provide Protection After Severe Injury.*” Poster, Surgical Infection Society, San Diego CA
- 2006 **AA Maung**, S Fujimi, MP MacConmara, PH Lapchak, A Delisle, JA Mannick, JA Lederer. “*Enhanced Innate Immune System Function Following Severe Injury Increases Resistance to Intraperitoneal E. Coli Infection and Improves Survival.*” Oral Presentation, Society of University Surgeons Meeting, San Diego CA
- 2006 MP MacConmara, S Fujimi, **AA Maung**, PH Lapchak, A Delisle, JA Mannick, JA Lederer “*B Cells Are Required to Prevent Excessive T-Cell Inflammatory Response After Injury.*” Abstract, Society of University Surgeons Meeting, San Diego CA
- 2006 Satoshi Fujimi, Malcolm MacConmara, Peter Lapchak, John A Mannick, James A Lederer, **Adrian A Maung** “*Enhanced Innate Immune System Function Following Severe Injury Increases Resistance to Intraperitoneal E. Coli Infection.*” Abstract, Society for Critical Care Medicine Congress
- 2006 Malcolm MacConmara, Satoshi Fujimi, **Adrian A Maung**, Peter H Lapchak, Adam Delisle, John A Mannick, James A Lederer “*Injury Primes B-Cells For Inflammatory Cytokine Production*” Abstract Society for Critical Care Medicine Congress, San Francisco CA
- 2006 Peter H Lapchak, Satoshi Fujimi, Malcolm MacConmara, **Adrian A Maung**, John A Mannick, James A Lederer. “*Release of TGF- β by Platelets Early After Burn Injury is Protective*” Abstract, Society for Critical Care Medicine Congress San Francisco CA
- 2005 **AA Maung**, MP MacConmara, A Delisle, S Fujimi, PH Lapchak, JA Mannick, JA Lederer. “*CD4⁺CD25⁺ Regulatory T-Cells Suppress Th-1 Type Responses After Injury.*” Surgical Forum Presentation, American College of Surgeons, San Francisco CA
- 2005 S. Fujimi, **AA. Maung**, M.P. MacConmara, A. Delisle, JA Mannick, JA Lederer, PH Lapchak. “*An Immune Modulating Role for Platelets During the Host Response to Injury.*” Mini-symposium, *Shock Society Conference*, Marco Island FL
- 2005 MacConmara MP, Fujimi S, **Maung AA**, Zang Y, Lapchak PH, Delisle A, Mannick JA, Lederer JA “*Effect of B-Cell Deficiency on the Immune Response to Burn Injury.*” Abstract, Surgical Infection Society Conference, Miami FL
- 2005 Fujimi S, MacConmara M, **Maung AA**, Zang Y, Delisle A, Mannick JA, Lederer JA, Lapchak PH “*Blood Platelets Are Critical Modulators of the Innate Immune Response in Burn-Injured Mice.*” Abstract, Surgical Infection Society Conference, Miami FL

- 2004 **A. Maung**, M. Miller, J. Mannick, J. Lederer “*Injury Selectively Augments Toll-like Receptor 4 Induced p38 MAPK Activation.*” Oral Presentation, Shock Society Conference, Halifax Nova Scotia
- 2004 **A. Maung**, M. Miller, J. Mannick, J. Lederer “*Injury Selectively Augments Toll-like Receptor 4 Induced p38 MAPK Activation.*” Poster International Congress of Immunology, Montreal, CA
- 1998 R. Steptoe, S. Shaw, **A. Maung**, N. Vujanovic, A. Thomson “*Flt3-Ligand Induces Expansion of Both DC and NK Cell Populations in Lymphoid and Non-lymphoid Tissues of Mice.*” Abstract, Conference on Cellular and Molecular Biology of Dendritic Cells

Regional

- 2012 AL Fonseca, KM Schuster, B McCloskey, LJ Kaplan, **AA Maung**, FY Lui, KA Davis “*Pregnancy and Right Lower Quadrant Pain: MRI, Better than the Hand and Eye?*” Poster Presentation. New England Surgical Society Meeting, Rockport ME
- 2012 GM. van der Wilden, GC Velmahos, DK. Joseph, L Jacobs, MG DeBusk, CA. Adams, R Gross, B Burkott, S Agarwal, **AA. Maung**, DC Johnson, J Gates, E Kelly, Y Michaud, WE. Charash, RJ. Winchell, SE. Desjardins, MS Rosenblatt, S Gupta, M Gaeta, Y Chang, MA. de Moya “*Successful Non-operative Management Of The Most Severe Blunt Renal Injuries: A Multicenter Study Of The Research Consortium Of New England Centers For Trauma (ReCONNECT)*” Oral Presentation. New England Surgical Society Meeting, Rockport ME
- 2012 DC Johnson, **AA Maung**, KM Schuster, FY Lui, GM Luckianow, KA Davis, LJ Kaplan. “*Ventilator Gas Delivery Waveform Substantially Impacts Plateau Pressure and Peak to Plateau Pressure Gradient Determination.*” Poster Presentation. New England Surgical Society Meeting, Rockport ME
- 2011 AL. Fonseca, KM. Schuster, **AA. Maung**, LJ. Kaplan, FY. Lui, KA. Davis. “*Routine Nasogastric Decompression in Small Bowel Obstruction: Is It Really Necessary?*” Poster Presentation. New England Surgical Society Meeting, Bretton Woods, NH
- 2011 GM. van der Wilden, GC Velmahos, T Emhoff, S Brancato, C Adams, G Georgakis, L Jacobs, R Gross, S Agarwal, P Burke, **A Maung**, D Johnson, R Winchell, H Alam, J Gates, W Cholewczynski, M Rosenblatt, Y Chang. “*Successful Non-operative Management of the Most Severe Blunt Liver Injuries: A Multicenter Study Of The Research Consortium Of New England Centers For Trauma (ReCONNECT)*” Oral Presentation. New England Surgical Society Meeting, Bretton Woods, NH
- 2009 DT Harrington, B Philips, J Machan, N Zacharias, G Velmahos, M Rosenblatt, E Winston, L Patterson, S Desjardins, R Winchell, S Brotman, J Schultz, **A Maung**, K Davis. “*Factors Associated with Survival Following Blunt Chest Trauma in Older Patients: Results from a Large Regional Trauma Cooperative.*” Oral Presentation. New England Surgical Society Meeting, Newport RI

Professional Service

Journal Service:

Reviewer

Ad hoc reviewer for *Immunogastroenterology*, *Journal of Bacteriology Research*, *Journal of Trauma and Acute Care Surgery Care*, *Minerva Chirurgica*, *PLOS One*, *SOJ Pharmacy & Pharmaceutical Sciences*.

2013 External grant reviewer for P.S.I. Foundation

Professional Service for Professional Organizations:

American Association for the Surgery of Trauma

2013 Elected Member
2014-present Publications & Communication Committee

Eastern Association for the Surgery of Trauma

2013-2016 Membership-Bylaws Committee
2012-2013 Practice Management Guidelines Workgroup: Diagnosis and Management of Blunt Aortic Injury
2011-2012 Chair - Practice Management Guidelines Workgroup: Small Bowel Obstruction
2010-2011 Practice Management Guidelines Workgroup: Non-operative Management of Blunt Injury to the Liver and Spleen
2010-2013 Publications Committee

New England Surgical Society

2013 Elected member

American College of Surgeons

2011 Judge - Committee on Trauma Resident Region 1 Trauma Paper Competition
2010-present Fellow
2008-present American College of Surgeons Connecticut Committee on Trauma
2014-2016 Councilor – Connecticut Chapter of the American College of Surgeons

Yale University Service:

Hospital Boards & Committees

2013-2014 Member of the Blood Transfusion Criteria Committee

2013-present Member of the Blood Stream Infection Steering Committee

2012-2013 Member of Northeast Purchasing Coalition Committee evaluating the endomechanical device contract for Yale New Haven Hospital System

Public Service:

2013-present Director of Tactical Medicine / Tactical Police Surgeon, Connecticut South Central Regional Special Weapons and Tactics Unit. - Provided tactical medical education as well as medical care during training and field deployments.

Bibliography:

Peer-Reviewed Original Research

1. S. Shaw, **AA Maung**, R. Steptoe, A. Thomson, N. Vujanovic. "Expansion of Functional NK Cells in Multiple Tissue Compartments of Mice Treated with Flt3-Ligand: Implications for Anti-Cancer and Anti-Viral Therapy." *Journal of Immunology*, 1998, 161:2817-2824
2. T. Quinn, **AA Maung**, A. Grodzinsky, E. Hunziker, J. Sandy. "Physical and Biological Regulation of Proteoglycan Turnover around Chondrocytes in Cartilage Explants: Implications for Tissue Degradation and Repair." *Annals of the New York Academy of Sciences*, 1999, 878:420-441
3. **AA Maung**, S. Fujimi, M. Miller, M. MacConmara, J. Mannick, J. Lederer. "Enhanced TLR4 Reactivity Following Injury is Mediated by Increased p38 Activation." *Journal of Leukocyte Biology*, 2005, 78(2):565-573
4. S. Fujimi, M. MacConmara, **AA Maung**, Y. Zang, J. Mannick, J. Lederer, P. Lapchak. "Platelet Depletion in Mice Increases Mortality After Thermal Injury." *Blood*, 2006, 107(11):4399-4406
5. M. MacConmara, **AA Maung**, S. Fujimi, A. McKenna, A. Delisle, P. Lapchak, S. Rogers, J. Lederer, J. Mannick. "Increased CD4+ CD25+ T Regulatory Cell Activity in Trauma Patients Depresses Protective Th1 Immunity." *Annals of Surgery*, 2006 244(4):514-23
6. **AA Maung**, S Fujimi, MP MacConmara, G Tajima, A McKenna, AJ. Delisle, C Stallwood, A Onderdonk, JA Mannick, and JA Lederer. "Injury Enhances Resistance to Escherichia coli Infection by Boosting Innate Immune System Function." *Journal of Immunology*, 2008, 180:2450-2458
7. S. Fujimi, PH Lapchak, Y Zang, MP Macconmara, **AA Maung**, AJ Delisle, JA Mannick, JA Lederer. "Murine Dendritic cell antigen-presenting cell function is not altered by burn injury." *Journal of Leukocyte Biology*, 2009, 85(5) 862-70
8. EA McGillicuddy, KM Schuster, LJ Kaplan, **AA Maung**, FY Lui, LL Maerz, DC Johnson, KA Davis. "Contrast-induced nephropathy in elderly trauma patients." *Journal of Trauma*, 2010, 68(2) 294-297
9. DT Harrington, B Phillips, J Machan, N Zacharias, GC Velmahos, MS Rosenblatt, E Winston, L Patterson, S Desjardins, R Winchell, S Brotman, A Churyla, JT Schulz, **AA Maung**, KA Davis; for the Research Consortium of New England Centers for Trauma (ReCONNECT). "Factors Associated With Survival Following Blunt Chest Trauma in Older Patients: Results From a Large Regional Trauma Cooperative." *Archives of Surgery*, 2010, 145(5):432-437
10. **AA Maung**, LJ Kaplan, KM Schuster, DC Johnson, KA Davis. "Routine / protocol evaluation of trauma patients with suspected syncope is unnecessary." *Journal of Trauma* 2011, 70(2):428-32
11. EA McGillicuddy, AW Lischuk, KM Schuster, LJ Kaplan, **A Maung**, FY Lui, SA Jamal Bokhari, KA Davis. "Development of a CT-based scoring system for necrotizing soft tissue infections." *Journal of Trauma* 2011, 70(4):894-899

12. KM Schuster, EA McGillicuddy, **AA Maung**, LJ Kaplan, KA Davis. “Can acute care surgeons perform emergency colorectal procedures with good outcomes?” *Journal of Trauma* 2011, 71(1):94-101
13. **AA Maung**, KM Schuster, LJ Kaplan, LL Maerz, KA Davis. “Risk of venous thromboembolism after spinal cord injury: not all levels are the same.” *Journal of Trauma* 2011, 71(5):1241-1245
14. **AA Maung**, G Luckianow, LJ Kaplan. “Lessons learned from Airway Pressure Release Ventilation” *Journal of Trauma and Acute Care Surgery* 2012, 72(3):624-628
15. G van der Wilden, G Velmahos, T Emhoff, S Brancato, C Adams, G Georgakis, L Jacobs, R Gross, S Agarwal, P Burke, **AA Maung**, DC Johnson, R Winchell, J Gates, W Cholewczynski, M Rosenblatt, Y Chang. “Successful Non-operative Management of the Most Severe Blunt Liver Injuries: A Multicenter Study Of The Research Consortium Of New England Centers For Trauma (ReCONNECT).” *Archives of Surgery* 2012, 147(5):423-428
16. Michetti CP, Fakhry SM, Ferguson PL, Cook A, Moore, FO Moore, Gross R and **AAST Ventilator Associated Pneumonia Investigators**. “Ventilator-Associated Pneumonia Rates at Major Trauma Centers Compared to a National Benchmark: Multi-Institutional Study of the AAST.” *Journal of Trauma and Acute Care Surgery* 2012 72(5): 1165-1173
17. **AA Maung**, KM Schuster, LJ Kaplan, MF Ditillo, GL Piper, LL Maerz, FY Lui, DC Johnson, KA Davis. “Compared to Conventional Ventilation, Airway Pressure Release Ventilation May Increase Ventilator Days in Trauma Patients.” *Journal of Trauma and Acute Care Surgery* 2012 7(2): 507-510
18. GL Piper, LL Maerz, KM Schuster, **AA Maung**, GM Luckianow, KA Davis, LJ Kaplan. “When the ICU is the operating room.” *Journal of Trauma and Acute Care Surgery* 2013 74(3): 871-5
19. AL Fonseca, KM Schuster, **AA Maung**, LJ Kaplan, KA Davis. “Routine Nasogastric Decompression in Small Bowel Obstruction: Is it Really Necessary?” *The American Surgeon*. 2013 April 79(4):422-8
20. JJ Dubose, M Lissauer, **AA Maung**, GL Piper, TA O’Callaghan, Z Luo-Oweb, K Inaba, O Okoye, A Shestopalov, WD Fielder, P Ferradam A Wilson, J Channel, FO Moore, DB Paul, S Johnson; the EAST Pneumatosis Study Group. “Pneumatosis Intestinalis Predictive Evaluation Study (PIPES): A multicenter epidemiologic study of the Eastern Association for the Surgery of Trauma.” *Journal of Trauma and Acute Care Surgery* 2013 75(1):15-23
21. ML Wang, KM Schuster, B Bhattacharya, **AA Maung**, LJ Kaplan, KA Davis. “Repositioning endotracheal tubes in the ICU: Depth changes poorly correlate with post-repositioning radiographic location” *Journal of Trauma and Acute Care Surgery* 2013 75(1):146-149
22. GM van der Wilden, GC Velmahos, DK Joseph, L Jacobs, MG Debusk, CA Adams, R Gross, B Burkott, S Agarwal, **AA Maung**, DC Johnson, J Gates, E Kelly, Y Michaud, WE Charash, RJ Winchell, SE Desjardins, MS Rosenblatt, S Gupta, M Gaeta, Y Chang, MA de Moya. “Successful Non-operative Management of the Most Severe Blunt Renal Injuries: A Multicenter Study of the Research Consortium of New England Centers for Trauma (ReCONNECT).” *JAMA Surgery* 2013 148(10):924-31

23. AL Fonseca, KM Schuster, LJ Kaplan, **AA Maung**, FY Lui, KA Davis. “The use of Magnetic Resonance Imaging in the Diagnosis of Suspected Appendicitis in Pregnancy Shortened Length of Stay Without Increasing Hospital Charges. *JAMA Surgery* 2014 Epub May 28
24. GL Piper, LJ Kaplan, **AA Maung**, FY Lui, K Barre, KA Davis. “Using the Rothman Index to Prevent Unplanned Surgical Intensive Care Unit Readmissions.” *Journal of Trauma and Acute Care Surgery* 2014 Jul 77(1):78-82
25. LJ Kaplan, KJ Glenn, **AA Maung**, J Mulhern “Embedding a Surgeon in A Civilian Tactical Team Reduces Resource Utilization and Is Cost Effective. *American Journal of Disaster Medicine*. 2014 Spring 9(2):121-5
26. **AA Maung**, DC Johnson, GM Luckianow, LJ Kaplan “Ventilator Gas Delivery Waveform Substantially Impacts Plateau Pressure and Peak to Plateau Pressure Gradient Determination” *Journal of Trauma and Acute Care Surgery* May 78(5):976-979 2015
27. BL Zarzaur, R Kozar, JG Myers, JA Claridge, TM Scalea, T Neideen, **AA Maung**, L Alarcon, A Corcos, AJ Kerwin, R Coimbra. “The Splenic Injury Outcomes Trial: An American Association For the Surgery of Trauma Multi-Institutional Study” *Journal of Trauma and Acute Care Surgery* 2015 (Accepted in press)
28. KL Butler, Y Chang, M DeMoya, A Feinstein, P Ferrada, U Maduekwe, **AA Maung**, N Melo, S Odom, J Olasky, M Reinhorn, DB Smink, N Stassen, CT Wilson, P Fagenholz, H Kaafarani, DR King, DD Yeh, G Velmahos, D Stefanidis. “Needs Assessment for a Focused Radiology Curriculum in Surgical Residency: A Multicenter Study”. *The American Journal of Surgery* 2015(Accepted)

Chapters, Books, and Reviews

1. **A. Maung** and S. Briggs. Disaster Planning. In Trauma Handbook of the Massachusetts General Hospital Lippincott Williams & Wilkins, Philadelphia, PA 2004, pp 58-68.
2. **A. Maung** and R. Sheridan. Critical Care of the Trauma Patient. In Critical Care Handbook of the Massachusetts General Hospital 4th edition, Lippincott Williams & Wilkins, Philadelphia, PA 2005.
3. **A. Maung** and L. Kaplan. “Airway Pressure Release Ventilation in Acute Respiratory Distress Syndrome” *Critical Care Clinics* 2011 Jul;27(3):501-509
4. **A. Maung** and K Davis. “Peri-operative Nutritional Support: Immunonutrition, probiotics and anabolic steroids” *Surgical Clinics of North America* 2012 April; 92(3):273-283)
5. **A. Maung** and L. Kaplan. “Acute Respiratory Failure and Mechanical Ventilation” in Surgical Critical Care and Emergency Surgery – Clinical Questions and Answers. Edited by F. Moore. Wiley-Blackwell 2012
6. **A. Maung** and L. Kaplan. “Mechanical Ventilation” In ACS Surgery: Principles and Practice Published Online Feb 2012

7. **A. Maung** and L Kaplan. “Definitive Review: Mechanical Ventilation after Injury” Journal of Intensive Care Medicine. Epub Sep 6 2012
8. **A. Maung** and S. Rosenbaum. “Ethical Considerations and Brain Death” in Fundamentals of Neuroanesthesia: A Physiologic Approach to Clinical Practice. Edited by K Ruskin. Oxford University Press Nov 2013
9. **AA Maung** and LJ Kaplan. “The Role of Fibrinogen in Massive Injury” *Minerva Anestesiologica* 80(1):89-95 2014
10. **AA Maung** and LJ Kaplan. “Waveform Analysis During Mechanical Ventilation” *Current Problems in Surgery* 2013 Oct;50(10):438-46
11. **AA Maung**, CC Toevs, JB Kayser, LJ Kaplan. “Conflict Management Teams in the ICU: A Concise Definitive Review.” *Journal of Trauma and Acute Care Surgery* 2015. (Accepted in press)

Peer-Reviewed Education Materials

1. **A. Maung** and L. Kaplan. “Diagnosis and management of splenic injury in the adult trauma patient.” In UpToDate, Basow, DS (Ed), UpToDate, Waltham MA, 2010. (Revised annually)
2. **A. Maung** and L. Kaplan. “Surgical management of splenic injury in the adult trauma patient.” In UpToDate, Basow, DS (Ed), UpToDate, Waltham MA, 2010 (Revised annually)
3. **A. Maung** “Nutritional Needs of Post-Surgical Patients” First Consult, Edited by MT Hessen, Maryland Heights, MO 2013

Practice Guidelines, Standards and Consensus Statements

1. **AA Maung**, DC Johnson, GL Piper, RR Barbosa, SE Rowell, F Bokhari, JN Collins, JR Gordon, JH Ra, AJ Kerwin. “Guidelines for the Management of Small Bowel Obstruction: A 2012 Update from the Eastern Association for the Surgery of Trauma.” *Journal of Trauma and Acute Care Surgery* 73(5):S362-S369, November 2012
2. NA Stassen, I Bhullar, JD Cheng, ML Crandall, RS Friese, OD Guillamondegui, RS Jawa, **AA Maung**, TJ Rohs, AT Sangosanya, KM Schuster, MJ Seamon, KM Tchorz, BL Zarzur, AJ Kerwin “Nonoperative management of blunt hepatic injury: An Eastern Association for the Surgery of Trauma practice management guideline” *Journal of Trauma and Acute Care Surgery* 73(5):S288-S293, November 2012
3. NA Stassen, I Bhullar, JD Cheng, ML Crandall, RS Friese, OD Guillamondegui, RS Jawa, **AA Maung**, TJ Rohs, AT Sangosanya, KM Schuster, MJ Seamon, KM Tchorz, BL Zarzur, AJ Kerwin “Selective nonoperative management of blunt splenic injury: An Eastern Association for

the Surgery of Trauma practice management guideline” Journal of Trauma and Acute Care Surgery 73(5):S294-S300, November 2012

4. N Fox, D Schwartz, JH Salazar, ER Haut, P Dahm, JH Black, SC Brakenridge, JJ Como, K Hendershot, DR King, **AA Maung**, ML Moorman, K Nagy, LB Petrey, R Tesoriero, TM Scalea, TC Fabian. “Evaluation and management of blunt traumatic aortic injury: practice management guideline from the Eastern Association for the Surgery of Trauma” Journal of Trauma and Acute Care Surgery 78(1):136-146 January 2015
5. N Fox, D Schwartz, JH Salazar, ER Haut, P Dahm, JH Black, SC Brakenridge, JJ Como, K Hendershot, DR King, **AA Maung**, ML Moorman, K Nagy, LB Petrey, R Tesoriero, TM Scalea, TC Fabian. “Evaluation and management of blunt traumatic aortic injury: practice management guideline from the Eastern Association for the Surgery of Trauma” Journal of Trauma Nursing 22 (2): 99-110 March - April 2015

Case Reports, Technical Notes, Letters

1. **AA Maung**, LJ Kaplan, KA Davis. “Re: What's in a name? Mechanical ventilation is at the mercy of the operator” Response to letter to the editor. J Trauma Acute Care Surgery 74(5):1378 May 2013

Scholarship In Press

1. GL Piper and **AA Maung** “Pancreatic Injury” In Acute Radiology for Surgeons. Edited by K Butler and M Harisinghani McGraw-Hill 2014 (In Press)
2. GL Piper and **AA Maung** “Perioperative Probiotics” In Diet and Nutrition in Critical Care. Edited by V Preedy Springer (In press)