

Curriculum Vitae

Asad Latif, M.D., M.P.H.

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

Assistant Professor,
Department of Anesthesiology and Critical Care Medicine,
Johns Hopkins University School of Medicine,
Baltimore, Maryland

Assistant Professor,
Department of International Health
Johns Hopkins Bloomberg School of Public Health,
Baltimore, Maryland

Core Faculty,
Armstrong Institute of Patient Safety and Quality,
Johns Hopkins Medical Institutions,
Baltimore, Maryland

Associate Faculty,
International Injury Research Unit,
Johns Hopkins Bloomberg School of Public Health,
Baltimore, Maryland

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Johns Hopkins Hospital,
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Meyer 297-A
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Education and Training

1996-2001 Bachelor of Medicine; Bachelor of Surgery (MBBS)
Aga Khan University Medical College, Karachi, Pakistan

- 2003-2004 Internship, General Surgery
Hospital of Saint Raphael, New Haven, CT
- 2004-2005 Resident, Anesthesiology
Beth Israel Deaconess Medical Center, Boston, MA
- 2005-2007 Resident, Anesthesiology
State University of New York at Downstate, Brooklyn, NY
- 2007-2008 Fellow, Critical Care Medicine
Johns Hopkins University School of Medicine, Baltimore, MD
- 2011-2012 Masters of Public Health
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Professional Experience

- 2008 Instructor, Department of Anesthesiology and Critical Care Medicine,
Johns Hopkins University School of Medicine, Baltimore, MD
- 2008-Present Assistant Professor, Department of Anesthesiology and Critical Care Medicine,
Johns Hopkins University School of Medicine, Baltimore, MD
- 2012-Present Core Faculty, Armstrong Institute for Patient Safety and Quality.
Johns Hopkins Hospital, Baltimore, MD
- 2013-Present Assistant Professor, Department of International Health,
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

RESEARCH ACTIVITIES

Publications

Kruer RM, Jarrell AA, **Latif A**. Reducing Medication Errors in Critical Care: A Multi-Modal Approach. *Clin Pharmacol*. 2014 Sep 1, 6:117-126.

Pronovost PJ, Marsteller JA, Wu AW, Holzmueller CG, Thompson DA, Lubomski LH, Paine LA, Hobson DB, Sawyer MD, Wyskiel RM, Aboumatar H, Needham DM, Goeschel CA, Winters BD, Pham JC, Sapirstein, A, Romig M, Mendez-Tellez PA, Gurses AP, Rosen MA, Weaver SJ, Austin JM, **Latif A**, Berenholtz SM. Advancing the Science of Patient Safety and Quality Improvement to the Next Level. *Advances in the Prevention and Control of Health Care-Associated Infections*. Rockville (MD): Agency for Healthcare Research and Quality (US); 2014 Jun.

Latif A, Holzmueller CG, Pronovost PJ. Evaluating Safety Initiatives in Healthcare. *Curr Anesthesiol Rep*. 2014 Jun; 4(2):100-106. PMID: 24976794. PMCID: PMC4070516.

Hashmi ZG, Schneider EB, Castillo R, Haut ER, Zafar SN, Cornwell EE 3rd, MacKenzie EJ, **Latif A**, Haider AH. Benchmarking Trauma Centers on Mortality Alone Does Not Reflect Quality of Care: Implications for Pay-for-Performance. *J Trauma Acute Care Surg*. 2014 May; 76(5): 1184-91. PMID: 24747447.

Hashmi ZG, Haider AH, Zafar SN, Kisat M, Moosa A, Siddiqui F, Pardhan A, **Latif A**, Zafar H. Hospital-based trauma quality improvement initiatives: first step toward improving trauma outcomes in the developing world. *J Trauma Acute Care Surg*. 2013 Jul; 75(1):60-8. PMID: 23778440.

Kisat M, Villegas C, Onguti S, Zafar SN, **Latif A**, Efron DT, Stevens KA, Haut ER, Schneider EB, Lipsett PA, Zafar H, Haider AH. Predictors of sepsis in moderately-severely injured patients: an analysis of the National Trauma Data Bank. *Surg Infect (Larchmt)*. February 2013; 14(1): 62-68. PMID: 23461696. PMCID: PMC3601717.

Latif A, Rawat N, Pustavoitau A, Pronovost PJ, Pham JC. National study on the distribution, causes, and consequences of voluntarily reported medication errors between the ICU and non-ICU settings. *Crit Care Med*. 2013 Feb; 41(2):389-98. PMID: 23263619.

Zheng Y, Villamayor A, Merritt W, Pustavoitau A, **Latif A**, Bhambhani R, Franks S, Gurakar A, Singer A, Cameron A, Stevens S, Hogue CW. Continuous cerebral blood flow autoregulation monitoring in patients undergoing liver transplantation. *Neurocrit Care*. 2012 Aug; 17(1):77-84. PMID: 22644887. PMCID: PMC3748944.

Romig MC, **Latif A**, Gill RS, Pronovost PJ, Sapirstein A. Perceived benefit of a telemedicine consultative service in a highly staffed intensive care unit. *J Crit Care*. 2012 Aug; 27(4):426.e9-16. PMID: 22421004.

Kisat M, Zafar SN, **Latif A**, et al. Predictors of positive head CT scan and neurosurgical procedures after minor head trauma. *J Surg Res*. 2012 Mar; 173(1):31-7. PMID: 21872271. PMCID: PMC3684145.

Romig M, **Latif A**, Pronovost PJ, Sapirstein A. Centralized triage for multiple intensive care units: the central intensivist physician. *Am J Med Qual*. 2010 Sep-Oct; 25(5):343-5. PMID: 20460559.

Sapirstein A, Lone N, **Latif A**, Fackler J, Pronovost PJ. Tele ICU: paradox or panacea? *Best Pract Res Clin Anaesth*, 2009 Mar; 23(1):115-26. PMID: 19449620.

Qureshi HU, Merwat SN, Nawaz SA, Rana AA, Malik A, Mahmud MK, **Latif A**, Khan A, Sarwari AR. Predictors of mortality in 190 adult patients with tuberculous meningitis. *Infect Dis J*. Oct-Dec 2000; 9(2):15-18.

Abstracts

H Edrees; S Berenholtz; C Goeschel; **A Latif**; B Kelly; H Attallah; S Weaver; B Jovanovic; T Yang; P Kent; A Al Obaidli. Implementing The Johns Hopkins CUSP Program to Reduce Central Line Associated Bloodstream Infections in SEHA ICUs—Abu Dhabi. Poster presentation, International Forum on Quality and Safety in Health Care, Paris, France. 4/2014.

Latif A, Majid H, Mahmood F, Pronovost P, Dowdy D. Cost effectiveness of reducing CLABSI in the limited resource setting of developing countries. Poster presentation, Society of Critical Care Medicine 43rd Critical Care Congress. San Francisco, CA. 1/2014

ZG Hashmi, EB Schneider, R Castillo, ER Haut, SN Zafar, EE Cornwell, E MacKenzie, **A Latif**, AH Haider. Benchmarking Trauma Centers on Mortality Alone Does Not Reflect Quality of Care: Implications for P4P. Oral presentation, 72nd Annual Meeting of the American Association for the Surgery of Trauma and Clinical Congress of Acute Care Surgery, San Francisco, CA. 9/2013.

Latif A, Halim MS, Majid H, Imran M, Hooda K, Khan NA, Zafar A, Pronovost PJ, Mahmood F. Using the Comprehensive Unit-based Safety Program to reduce Central Line Associated Blood Stream Infections for an Adult Intensive Care Unit in a Developing Country Setting. Poster Presentation, 15th Annual National Patient Safety Foundation Congress, New Orleans, LA. 5/2013

Latif A, Halim MS, Bardai A, Demas S, Khan NM, Pronovost PJ, Qadir M. Reducing Central Line Associated Blood Stream Infections in a Developing Country Neonatal Intensive Care Unit Using the Comprehensive Unit-based Safety Program. Poster Presentation, 15th Annual National Patient Safety Foundation Congress, New Orleans, LA. 5/2013

Romig MC, **Latif A**, Deshpande R, Sapirstein A. Impact of Hospital Census and ICU Throughput on Length of Stay. Poster presentation, Society of Critical Care Medicine 42nd Annual Congress, San Juan, Puerto Rico. 1/2013.

H Zafar, ZG Hashmi, N Zafar, M Kisat, A Moosa, F Siddiqui, A Pardhan, **A Latif**, AH Haider. Hospital Based Trauma Quality Improvement Initiatives: First Step Towards Improving Trauma Outcomes in the Developing World. Oral presentation, Eastern Association for the Surgery of Trauma, 26th Annual Scientific Assembly, Scottsdale, AZ. 1/2013

Amin N, Bardai A, Halim MS, Demas S, Roshan R, Qadir M, Ali R, Hooda K, Ahmed N, Khan NM, **Latif A**. Measuring the Patient Safety Culture at a Tertiary Care Hospital in Pakistan and its Trend Over a Year. Poster presentation. Aga Khan University 7th Health Sciences Research Assembly, Karachi, Pakistan. 12/2012

Latif A, Lubomski LH, Weeks K, Winters BD, Pronovost PJ, Berenholtz SM. Eliminating Central Line-Associated Bloodstream Infections: A National Patient Safety Imperative. Poster presentation, Society of Critical Care Anesthesiologists 2012 Annual Meeting, Washington DC. 10/2012.

J.C. Lunnen, **A. Latif**, E.M.S. Rodrigues, A.A. Hyder. The Burden of Road Traffic Injuries in Guyana: Time to Prioritize Road Safety Investments. Oral presentation, 11th World Conference on Injury Prevention and Safety Promotion, Wellington New Zealand. 10/2012.

Weaver SJ, **Latif A**, Pronovost PJ. Physician perceptions of workload: The effects of unit type and individual differences in training and tenure. Poster presentation, Symposium on Human Factors and Ergonomics in Health Care: Bridging the Gap, Baltimore, MD. 3/2012.

M.T. Kisat, E.R. Haut, S. Zafar, M.G. Hashmi, T.A. Oyetunji, **A. Latif**, C.G. Velopulos, D.T. Efron, E.E. Cornwell, H. Zafar, A.H. Haider. Survival Outcomes After Prolonged ICU Length Of Stay Among Trauma Patients: The Evidence For Never Giving Up. Poster presentation, 7th Annual Academic Surgical Congress, Las Vegas, NV. 2/2012

M.T.Kisat, C.V. Villegas, S. Onguti, **A. Latif**, D.T. Efron, K.A. Stevens, E.R. Haut, E.B. Schneider, H. Zafar, A.H. Haider. Predictors of Sepsis in Moderate-Severely Injured Patients: An Analysis of the National Trauma Data Bank. Oral presentation, 97th Annual American College of Surgeons Clinical Congress, San Francisco, CA. 10/2011

Latif A, Romig M, Barasch N, Pronovost PJ, Sapirstein A. Consultative Telemedicine Improves Compliance with Best Practice Guidelines in a Highly Staffed Intensive Care Unit. Poster presentation, Association of University Anesthesiologists Annual Meeting, Philadelphia, PA. 5/2011

M.T. Kisat, S. Zafar, **A. Latif**, C.V. Villegas, E.B. Schneider, E.R. Haut, K.A. Stevens, D.T. Efron, A.H. Haider. Predictors of Positive Head CT Scan and Neurosurgical Procedure Among Patients With a Normal GCS: An Analysis of the National Trauma Data Bank. Oral presentation, 6th Annual Academic Surgical Congress, Huntington Beach, CA. 2/2011

Romig M, **Latif A**, Pronovost PJ, Gill R, Sapirstein A. Perceived Benefit of a Consultative Telemedicine Service in a Highly Staffed Intensive Care Unit. Poster presentation, Society of Critical Care Medicine 40th Critical Care Congress, San Diego, CA. 1/2011

Latif A, Romig M, Pronovost PJ, Sapirstein A. A Consultative Tele-ICU Service Improves Compliance with Best Practice Guidelines in a Highly Staffed Intensive Care Unit. Poster presentation, Society of Critical Care Medicine 40th Critical Care Congress, San Diego, CA. 1/2011

Stevens R, Pustavoitau A, Garnelo V, **Latif A**, Zaky A, Johnson M, Crain B. Predictors of Histological Brain Injury in Critically Ill Patients. Poster presentation, European Society of Intensive Care Medicine Annual Congress, Lisbon, Portugal. 9/2008

Qureshi HU, Merwat SN, Nawaz SA, Rana AA, Malik A, Mahmud MK, **Latif A**, Khan A, Sarwari AR. Predictors of inpatient mortality in 190 adult patients with tuberculous meningitis. Oral presentation, American Society of Tropical Medicine and Hygiene 49th Annual Meeting, Houston, TX. 10/2000

Chapters

The Johns Hopkins ABSITE Review Manual. Second Edition, 2014. **Asad Latif**, contributing editor.

Luis J Garcia, **Asad Latif**. Acute Gastrointestinal and Genitourinary Disorders. Neurocritical Care Board Review: Questions and Answers. Asma Zakaria, editor. Demos Medical 2014.

Grants

Latif A (PI)

3/2011-10/2014

Johns Hopkins Center for Global Health

Implementation and Validation of a Comprehensive Unit-Based Safety Program to Improve Safety Culture in a Developing Country

The goal is to pilot test proven methods to improve safety culture program that were shown to be successful in the US at a local hospital in Pakistan, learn how it might need to be revised to fit local context, evaluate its impact and use the data and knowledge gathered to help produce a scalable program that can be more broadly applied.

Latif A (Consultant) 6/2011-2/2012

Agency for Healthcare Research and Quality

On the CUSP: Stop HAI

The Johns Hopkins Armstrong Institute for Patient Safety and Quality (formerly the Quality and Safety Research Group) was a project partner in this national U.S. initiative to implement a proven culture change model, the Comprehensive Unit-based Safety Program (CUSP) along with targeted interventions to prevent central line associated blood stream infections (CLABSI) and catheter associated urinary tract infections (CAUTI).

Latif A (Consultant) 2/2012-2/2014

Armstrong Institute/Abu Dhabi Health Services Company

Implementing a comprehensive unit-based safety program to reduce central line associated blood stream infections: A patient safety initiative

This is a collaborative agreement between the Armstrong Institute of Patient Safety and Quality at Johns Hopkins and the Abu Dhabi Health Services Company (SEHA) involving multiple hospitals across the Abu Dhabi region. The goal is to improve patient safety, build internal capacity, and establish an infrastructure for longer term collaboration.

Latif A (co-Project Director) 7/2012-6/2013

United States Agency for International Development

Improving patient safety in Pakistan's hospitals: a mobile health solution for enabling and monitoring the 'First, do no harm' principle.

The aim is to improve patient safety in a hospital setting in Pakistan by combining validated quality improvement tools with innovative mobile phone based technology, with an anticipated outcome of decreased patient morbidity and mortality.

EDUCATIONAL ACTIVITIES

Classroom Instruction

2007-2008	Critical Care Resident/Fellow Lecture series Pulmonary Hypertension Difficult Airway Management in the ICU Renal Replacement Therapies Critical Care for the Obstetric Patient
2008, 2010	Nursing Continuing Medical Education program Management of the Difficult Airway
2009, 2010	Surgical Resident Core Lecture series Acute Renal Failure Coma, Cognitive Disorders, and Brain Death

- 2009 Medical Student Core Curriculum
Cardiac Concerns in Anesthesiology
- 2010 - 2014 Anesthesia CA-1 Core Lecture series
Anesthesia for the Patient with Cardiovascular Disease

Clinical Instruction

- 2008-present Attending physician, Surgical Intensive Care Unit
Provided lectures and instruction to medical students, anesthesia and surgery residents, and critical care fellows in regards to management of critically ill surgical patients
- 2008-present Attending physician, Operative Anesthesia
Provided instruction to medical students, anesthesia residents, and anesthesia fellows in the operating room in regards to preoperative, intraoperative and immediate postoperative management of patients

Educational Program Building

- 2008 ICU representative, ACCM Division-based teaching initiative,
Johns Hopkins Hospital
- 2009 Resident Educational Colleges didactic program,
Department of Anesthesiology and Critical Care Medicine, Johns Hopkins
Hospital

CLINICAL ACTIVITIES

Medical Licensure

- 2008 Maryland (D0067396)
- 2008 Texas (M8777)

Certification

- 2008 Diplomate, American Board of Anesthesiology, Anesthesiology (42524)
- 2008 Diplomate, American Board of Anesthesiology, Critical Care Medicine (42524)

ORGANIZATIONAL ACTIVITIES

Committees

- 2008-2009 Pain Task Force, Johns Hopkins Hospital
Member, ICU physician representative
- 2010 Surgical Site Infection Control Initiative, Division of Transplant Surgery, Johns Hopkins Hospital
Member, Anesthesiology
- 2011-2013 Adult Perioperative Prep and PACU Committee, Johns Hopkins Hospital
Member, Anesthesiology
- 2011-Present Total Pancreatectomy and Islet Cell Auto-transplantation Program, Johns Hopkins Hospital
Member, Anesthesiology
- 2011-Present Composite Tissue Allo-transplantation group, Johns Hopkins Hospital
Member, Anesthesiology
- 2014 - Present Sepsis in Under-resourced Regions Task Force, Society of Critical Care Medicine
Member

Professional Societies

- 2005 Member, American Society of Anesthesiologists
2007 Member, Society of Critical Care Medicine
2009 Member, American Society of Critical Care Anesthesiologists

Reviewer

American Journal of Critical Care
Indian Journal of Pediatrics

RECOGNITION

Awards

- 2008 Multidisciplinary Critical Care Fellowship Outstanding Dedication
To Teaching Award
Johns Hopkins Hospital
- 2008- 2011 Patients' Choice award

Invited Lectures

- 2013 The Global Burden of Injuries and Trauma: A Public Health Perspective
Global Health Seminar
University of Texas School of Public Health, San Antonio
- 2012 Peri-operative Cardiac Care for the Surgical Patient
American College of Surgeons – DC Chapter
2012 All Surgeons Day, Washington DC
- 2010 Renal Replacement Therapy
Department of Anaesthesia Guest Lecture
Aga Khan University Hospital, Karachi, Pakistan