

Personal Information

Full Name: Sudha Jayaraman, M.D., M.Sc. FACS

Title: Associate Professor of Surgery, Co-Director, VCU Program for Global Surgery

Business Name: Virginia Commonwealth University

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Languages Spoken: English, Tamil, Spanish

Professional Summary

Primary Departmental Specialization Area/Field

Surgery

Areas of Expertise and Interest

Trauma surgery

Acute care surgery

Surgical critical care

Global surgery

Public health

Education

Post Graduate

University of California San Francisco Department of Surgery

Chief Residency in General Surgery

07/2010 - 07/2011

University of California San Francisco Department of Surgery

Residency in General Surgery

07/2005 - 07/2010

University of California San Francisco Department of Surgery

Internship in General Surgery

07/2004 - 07/2005

University of California San Francisco Global Health Sciences

Research Fellow, 7/2008-7/2009

Mentors: Haile Debas MD, Diana Farmer MD

Brigham & Women's Hospital, Harvard Medical School

Division of Trauma, Burn and Surgical Critical Care, Department of Surgery
Fellow, Acute Care Surgery
07/2012 - 07/2013

Brigham & Women's Hospital, Harvard Medical School

Division of Trauma, Burn and Surgical Critical Care, Department of Surgery
Fellow, Center for Surgery and Public Health, 7/2012-7/2013

Brigham & Women's Hospital, Harvard Medical School

Division of Trauma, Burn and Surgical Critical Care, Department of Surgery
Fellow, Surgical Critical Care, 7/2011-7/2012

Brandeis University, The Heller School for Social Policy and Management

Leadership Program in Health Policy & Management, June 2013

Harvard Business School

Values-Based Health Care Course, 10/2011

Course Director, American College of Surgeons Rural Trauma Training and
Development Course, 9/2015-present

Instructor, American College of Surgeons Advanced Trauma Life Support (ATLS),
10/2015-present

American College of Surgeons Advanced Trauma Life Support (ATLS) certification,
3/2012-present

American College of Surgeons Advanced Burn Life Support (ABLS) certification, 5/2012-
present

American Heart Association Advanced Cardiac Life Support (ACLS) certification, 1/2013
-1/2015

American Heart Association Pediatric Advanced Life Support (PALS), 3/2016-present

Graduate**London School of Hygiene and Tropical
Medicine**

MSc Public Health in Developing Countries
Mentor: Prof. Ian Roberts
09/2007 - 06/2008

University of California, Davis

Doctor of Medicine
08/2000 - 06/2004

Undergraduate

University of Pennsylvania

Bachelor of Arts - Environmental Studies, 5/1998

Certification & Licensure

Licensure

Virginia State Medical Board
05/2013

Rwanda Health Professions Council
03/2013

US Drug Enforcement Administration
11/2006

Board of Registration in Massachusetts, Full License, 5/2012-11/2014

Massachusetts Controlled Substances License, 5/2012-2014

Health Professions Council of South Africa, 3/2012 –3/2014

Medical Board of California, 11/2006-12/2013

Certification

American Board of Surgery, Certified in Surgical Critical Care, # 003152, 11/2012-11/2022

American Board of Surgery, Certified in General Surgery, # 057472, 11/2012-11/2022

Hospital Appointments

VCU Health System
08/2013 - Present

Academic Appointment History

Associate Professor of Surgery, Division of Acute Care Surgery, VCU Medical Center,
8/2017-present
08/2017 - Present

Assistant Professor of Surgery, Division of Acute Care Surgery, VCU Medical Center,
8/1/2013- 7/2017

08/2013 - 07/2017

Clinical Instructor of Surgery, Harvard Medical School
Associate Surgeon, Trauma, Burns and Critical Care, Brigham & Women's Hospital
07/2012 - 07/2013

Employment History

Faculty Surgeon, Division of Acute Care Surgery, VCU Medical Center
08/2013 - Present

Co-Director, Program for Global Surgery, Department of Surgery
08/2017 - Present

Clinical Instructor of Surgery, Harvard Medical School and Associate Surgeon, Trauma, Burns and Critical Care, Brigham & Women's Hospital, 7/2012-7/2013

07/2012 - 07/2013

Special Awards & Honors

Arnold P Gold Foundation Leonard Tow Humanism in Medicine Award, 2019 presented to one faculty member in the School of Medicine annually for demonstrating clinical excellence and outstanding compassion in the delivery of care and who show respect for patients, their families, and healthcare colleagues
2019

VCU Faculty Scholar, Oxford University's Harris Manchester College Summer Research Institute
2019

Medical Society of Virginia Foundation's Salute to Service Award for Service to the International Community, 2019
Presented to a Virginia physician who has dedicated his/her abilities to advancing the health of the international community.
2019

Nominee, ACS/Pfizer Surgical Volunteerism and Humanitarian Award
2018

Nominee, VCU Educational Innovation/Educational Research Award, one of the top four School of Medicine Teaching Awards
2018

VCU Distinguished Mentor Award of Teaching Excellence, Nominee
09/2016

Association of Women Surgeons Future Leaders in Surgery Medical Student Award,
10/2004

UC Davis School of Medicine

Chancellor's School of Medicine Grant, 7/2000

UC Davis School of Medicine
Alumni Association Scholarship, 7/2000

UC Davis School of Medicine
Scholarship to Disadvantaged Students, 7/2000

UC Davis School of Medicine
Budd & Elma Smith Medical Scholarship, 7/2000

UC Davis School of Medicine
Mabel Wilson Richards Scholarship, 7/2000

UC Davis School of Medicine
Nassau Fund for Undergraduate Research

Nassau Fund for Undergraduate Research
Senior Thesis, Departments of Emergency and Hyperbaric Medicine
University of Pennsylvania
Title: "Plasma Markers of Oxidative Stress of Carbon Monoxide Poisoning," 9/1997-6/1998.

Society Memberships

Society of Asian Academic Surgeons
03/2019 - Present

American Association for the Advancement of Science (AAAS), 2017- 2019
2017 - 2019

PanAmerican Trauma Society, 4/2013-present

Surgical Infection Society, 4/2013-present

European Society of Trauma and Emergency Surgery, Doctor-in-Training Member,
4/2012-2013, Full Member 4/2013-present

Society of Critical Care Medicine, Member, 8/2011-present

Association for Academic Surgery, Candidate Member 8/2011-8/2013, Active Member,
7/2014-present

Naffziger Surgical Society, 7/2011-present

Massachusetts Medical Society, Member, 8/2011-8/2013

American College of Surgeons, Member 2004-present, Associate Fellow, 2/2014-present, Initiate 2016

Scholarly Activities

Expert Services

Peer-Reviewer, Journal of Surgical Education
2019

Peer-Reviewer, Panamerican Journal of Trauma, Critical Care & Emergency Surgery
09/2018

Peer-Reviewer, Science of the Total Environment
08/2018

Peer-Reviewer, British Journal of Surgery
08/2018

Peer-Reviewer, Southern African Journal of Anaesthesia and Analgesia
07/2018

Peer-Reviewer, Journal of Surgical Research
07/2018

Peer-Reviewer, Panamerican Journal of Trauma, Critical Care & Emergency Surgery
02/2018

Peer-Reviewer, Journal of Surgical Research
02/2018

Peer-Reviewer, Journal of Epidemiology and Global Health
02/2018

Peer-Reviewer, Surgery
2018

Peer-Reviewer, Panamerican Journal of Trauma, Critical Care & Emergency Surgery
12/2017

Peer-Reviewer, Journal of Surgical Research March, July, August, September
11/2017

Peer-Reviewer, Public Library of Science (PLOS ONE)
10/2017

Peer-Reviewer, World Journal of Surgery June, July, August, September 2017
09/2017

Peer-Reviewer, Injury
06/2017

Peer-Reviewer, BMJ Open
04/2017

Peer-Reviewer, BMC Emergency Medicine
06/2016

VCU Global Health Showcase Organizing Committee, VCU Medical Center
2015

VCU Global Health Showcase Organizing Committee, VCU Medical Center
2014

Peer-Reviewer, Journal of Transportation Safety & Security Jan 2016

Peer-Reviewer, BMC Emergency Medicine June 2016

Peer-Reviewer, Surgery Jan 2016

Peer-Reviewer, The Lancet Oct 2014

Peer-Reviewer, Transfusion Sept 2014

Peer-Reviewer, Journal of Graduate Medical Education Oct 2013

Peer-Reviewer, BMC Medical Education April 2013

Peer-Reviewer, Public Library of Science (PLOS ONE) 2012

Peer-Reviewer, International Journal of Surgery 2011-2012

Peer-Reviewer, Blood Transfusion Oct 2012

Peer-Reviewer, Cochrane Injuries Group, Cochrane Database of Systematic Reviews
August 2011

Peer-Reviewer, Archives of Virology November 2010

Grants and Contracts: Active

State of Virginia, Commonwealth Center for Advanced Logistics Systems \$100,000
Addressing the Logistical Challenge of Medication Reconciliation in Emergency
Medicine Settings, Wijesinghe PI; Jayaraman co-PI
06/2018

NIH R21, Fogarty International Center \$250,000
Evaluating the Quality of Prehospital Emergency Care in Rwanda PI: Jayaraman, 10%
effort, Multi-PI award
09/2017 - 09/2019

NIH P20 Grant, National Cancer Institute \$400,000
Building Research Capacity to Address the Challenge of Non-Communicable Diseases
and Injury in Rwanda - The Gukoranya Research Center (GRC) Project Lead & co-I:
Jayaraman, 7.5% effort, Multi-PI award
09/2017 - 09/2019

DOD Renewal grant # W81XWH-16-2-0040 \$2,024,216
Novel Low Volume Resuscitation Fluid in Shock
Co-Inv, 2.5% effort (Mangino, PI)

10/2016 - Present

VCU Dean's Startup Grant for Global Health Research, \$75,000
2013 - Present

Grants and Contracts: Pending

Agency for Healthcare Research and Quality, R18 A1 application \$1.5million
Advancing Patient Safety Implementation through Safe Medication Use Research
Mass spectrometry based medication reconciliation
Multi-PI: Jayaraman, 15% effort,
06/2019

Grants and Contracts: Past

VCU Innovation Gateway, Commercialization Grant \$50,000
A new method for medication reconciliation in trauma and emergency medicine settings
PI: Jayaraman, Wijesinghe co-PI
05/2017 - 05/2018

The Rotary Foundation Global Grant, #GG1749568 \$117,000
National Emergency Medical Services Training Program for Rwanda
PI: Jayaraman, 1% effort Rotary/9% effort VCU
09/2017 - 10/2018

VCU-Crone Scholars Program \$45,000
2016 - 2018

CCTR VCU Center for Clinical and Translational Research PI Jayaraman \$50,000
Do direct thrombin inhibitors and anti-Xa inhibitors worsen acute coagulopathy of trauma in elderly trauma patients and lead to poor clinical outcomes?
04/2015 - 2017

VCU Center for Health Disparities Clinical Faculty Scholars Fellowship 20% FTE
Protected Research Time, 3 years
2015 - 2018

Partners Center of Expertise in Patient Care Quality and Safety Research Grant \$2,000
The Costs and Cost-Effectiveness of Preventing Nosocomial Infections in Critically Ill Surgical Patients at Brigham and Women's Hospital
10/2012 - 06/2013

Harvard Medical School, Center of Excellence \$45,000
Health Disparities Post Graduate Fellowship
Building Capacity for Trauma Care in Rwanda
02/2012 - 06/2013

Partners Center of Expertise in Global and Humanitarian Health, Travel Grant \$2,000
Trauma and Critical Care in Johannesburg, South Africa
02/2012 - 06/2012

The Laura Case Trust \$22,000
Global Partners in Anesthesia and Surgery,
Kampala Prehospital Initiative, Kampala, Uganda
04/2008 - 04/2012

Mulago Foundation \$75,000
Global Partners in Anesthesia and Surgery
Expansion of Healthcare Workforce, Mulago Hospital, Kampala, Uganda
08/2007 - 04/2012

Susan G. Komen Foundation \$20,000
"Eradication of Breast Cancer through Education and Outreach"
The Student-Run Clinics of the UC Davis School of Medicine to increase breast cancer awareness in uninsured Latin American immigrants.
2003

A Phase III Case Series Clinical Study of the Reversal of the Anticoagulant Effects of Dabigatran by Intravenous Administration of 5.0g Idarucizumab (BI 655075) in Patients Treated With Dabigatran Etexilate Who Have Uncontrolled Bleeding or Require Emergency Surgery or Procedures
Sub-investigator, unfunded role, Trial Fees to hospital- \$56,000
2015 - 2015

Evaluation of Efficacy and safety of AB103, a CD28 Co-stimulatory Receptor Modulator, in Patients Diagnosed with Necrotizing Soft Tissue Infections
Sub-investigator, unfunded role, Trial Fees to hospital- \$399,011
2015 - 2015

A Phase 3 Randomized Double-blind Study Comparing TR 701 FA and Linezolid in Ventilated Gram-positive Nosocomial Pneumonia
Sub-investigator, unfunded role, Trial Fees to hospital- \$562,480
2015 - 2016

Patents, Inventions, and Copyrights

Nonprovisional Patent conversion, May 2019
Utility Patent filed, May 2018
Provisional Patent Filed, USPTO, May 2017
Invention Disclosure Number Filed, April 2017
Automated Drug Assays for Liquid Chromatography Tandem Mass spectrometry based medication reconciliation method in trauma
2019

Advising and Mentoring

Savannah Lodwick, Undergrad, Univ of South Carolina, she is working with me on
Jayaraman, Sudha

drafting a course manual for the American College of Surgeons, Global Health Competencies for Surgeons course
06/2019 - Present

David Doan, Pharmacy Student, VCU School of Pharmacy, is working with me on my domestic research on using mass spectrometry for medication reconciliation, Sept 2018 -present

Dr Ashley Rosenberg, VCU Surgery Resident and Global Surgery Resident Research Scholar and NIH R21 Project Fellow, she is working on several projects in Rwanda including developing and implementing curricula for standardizing prehospital trauma and emergency care, organizing the First Annual Trauma Symposium in Rwanda, mentoring research teams, teaching clinical and research content through didactics, developing research projects and presenting them at international meetings including the African Federation Conference on Emergency Medicine and the College of Surgeons of East, Central and Southern Africa,
07/2018 - Present

Catherine Valukas, Medical Student, VCU SOM, she is working with me on organizing the Virginia Global Surgery Symposium, the first of its kind in the region, for March of 2019.

She also worked with me on several papers on developing and implementing curricula for standardizing prehospital trauma and emergency care in Rwanda
2017 - 2019

Megan Wojick, Medical Student, VCU SOM, she is working with me on prehospital care research as a Global Surgery Mentored Research Scholar in Kigali, Rwanda and contributed

to establishing national prehospital guidelines for management of trauma and other emergencies
2017 - 2019

Cody McHargue, Medical Student, VCU SOM, he worked with me on prehospital care research as a Global Surgery Mentored Research Scholar in Kigali, Rwanda and contributed to developing and implementing a databased to track use of national prehospital guidelines for management of trauma and other emergencies

2017 - 2019

Merve Gurakar, Medical Student, VCU SOM, she is working with me on organizing the Virginia Global Surgery Symposium, the first of its kind in the region, for March of 2019.

She also worked on a research project with me and my colleague Dr Edgar Rodas as a Global Surgery Mentored Research Scholar in Ecuador and has submitted her work to several

national surgical meetings

2017 - 2019

Helen Noble, Medical Student, VCU SOM, she worked with me on prehospital care

research in Kigali, Rwanda. She applied and received the VCU SOM Dean's Summer Research Grant to work with me on this project, 2017-2019
2017 - 2019

Dr Elizabeth Krebs, Assistant Professor of Emergency Medicine, Jefferson Medical College, mentorship on grant writing/project development to continue trauma research in Rwanda, 2017-present
2017 - Present

Kyle Baumann, VCU MPH candidate, 8/2018- 5/2019
08/2018 - 05/2019

Stephanie Teeple, MD/PhD candidate, Univ of Pennsylvania, 8/2018-11/2018
08/2018 - 11/2018

Kevin Dong, medical student, Northeastern Ohio School of Medicine, I met with him to plan his global surgical activities and for general career mentoring, September 2018
09/2018

Dr Andres Dominguez, General and Vascular Surgeon and PTS Observer, Colombia
05/2018 - 07/2018

Dennis Hopkinson, 3rd year Medicine Resident, VCU, Fulbright recipient to work on emergency care delivery challenges in Rwanda, 2017-present
2017 - Present

Dr Jennifer Rickard, Assistant Professor of Surgery, University of Minnesota, mentorship on grant writing to continue surgical research in Rwanda/academic global surgery career development, 2016-present
2016 - Present

Maria Jose Jaramillo, Medical Student Univ of Azuay, I mentored her as her faculty advisor during her one month observership in the Division of Acute Care Surgery at VCU. I helped organize the logistics of having an international observer in our Division, coordinated various experiences for her in Richmond, Aug-Sept 2016.
08/2016 - 09/2016

Caroline Young, Medical Student, VCU SOM, she worked with me as a research assistant on my coagulopathy research project. I mentored her in data entry, study design and quality assurance. I gave her career advice and taught her clinical information at the bedside and in didactics.
06/2016 - Present

Mark Hopkins, Medical Student, VCU School of Medicine, 40 hours, mentorship on Summer Research project - Prehospital Communication in Cuenca, Ecuador, he applied and received the VCU SOM Dean's Summer Research Grant to work with me on this project, 2016
2016 - Present

Jeremy Carter, Medical Student, VCU School of Medicine, 40 hours, mentorship on

Summer Research project - Prehospital Communication in Cuenca, Ecuador, he applied and received the VCU SOM Dean's Summer Research Grant to work with me on this project, 2016
2016 - Present

India Hawkins, Leadership in Action Intern, I have mentored her for clinical observation 16 hours/semester, 44 hours of nonclinical observation through the Division of Acute Care Surgery, 2016-2017.
2016 - 2017

Martin Munyaneza, Resident, Dept of Surgery, Univ Teaching Hospital, Kigali, Univ of Rwanda. I mentored him through in person meetings in Kigali and by email to develop his MMED thesis project. I also mentored him in clinical activities during my trips to Rwanda, 20 hours, 2016-2017.
2016 - 2017

Nehal Naik, Medical Student, VCU School of Medicine, local mentorship for Fulbright-Fogarty fellowship, 06/2016 – 06/2017
06/2016 - 06/2017

Christopher Chou, Medical Student, VCU SOM, he worked me as a research assistant on my coagulopathy research project. I mentored him in data entry, study design and quality assurance. I gave him career advice and taught her clinical information at the bedside, in the OR, in the clinic and in didactics.
05/2016 - 07/2016

Loren Liebrecht, PostDoc, VCU, she has functioned as a research assistant on my coagulopathy project, I mentored her on conducting the consents, data collection as well as writing and presentation of one abstract, 80 hours.
08/2015 - Present

Rio Beardsley, Premed, VCU, he functioned as a research assistant on my coagulopathy project, I mentored him on conducting the data collection as well as data entry, 80 hours.
06/2015 - 06/2016

Elissa Trieu, Medical Student, VCU School of Medicine, 40 hours, mentorship on Summer Research project - Prehospital Communication in Cuenca, Ecuador, she applied and received the VCU SOM Dean's Summer Research Grant to work with me on this project, 2016
2015 - Present

Nathaniel Lee, Resident, VCU School of Medicine. I mentored him in writing and publishing a case report on ECMO and cardiac trauma and presenting at a regional conference on EMS, 50 hours.
01/2015 - 12/2015

Jonathan Scott, Resident, Brigham and Women's Hospital, Department of Surgery. He worked as my research coordinator on prehospital injury care and quality improvement projects in Rwanda. He lived in Rwanda for one year with support from Harvard to

work on my projects and subsequently spent part of the next year living in Boston and working on my project. I spent regular conference calls with him to mentor his conduct of our projects. He wrote two papers which are in the process of being published during the year, 60 hours.

06/2014 - Present

Nehal Naik, Medical Student, VCU School of Medicine, 40 hours, mentorship on Summer Research project - Barriers to Prehospital Communication in Cuenca, Ecuador, he applied and received the VCU SOM Dean's Summer Research Grant to work with me on this project, 2014

06/2014 - Present

Michael Rains, Medical Student, VCU School of Medicine, mentorship on Summer Research project, conference presentations and manuscript development - Barriers to Prehospital Communication in Cuenca, Ecuador

06/2014 - 2018

Egide Abahuje, Resident, Dept of Surgery, Univ Teaching Hospital, Kigali, Univ of Rwanda. I mentored him through in person meetings in Kigali and by email to present one international case conference through the Panamerican Trauma Society Teleconference. I also mentored him in clinical activities during my trips to Rwanda. 20 hours

06/2014 - 01/2016

Phil Chapman, Medical Student, VCU School of Medicine, 40 hours, mentorship on Summer Research project - Barriers to Definitive Orthopedic Care in Kigali, Rwanda, he applied and received the VCU SOM Dean's Summer Research Grant to work with me on this project, 2014

06/2014 - 08/2014

Aditi Sharma, Medical Student, VCU School of Medicine, 40 hours, mentorship on Summer Research project - Barriers to Definitive Orthopedic Care in Kigali, Rwanda, she applied and received the VCU SOM Dean's Summer Research Grant to work with me on this project, 2014

06/2014 - 08/2014

Fidele Byiringiro, Resident, Dept of Surgery, Univ Teaching Hospital, Kigali, Univ of Rwanda, I mentored him through in person meetings in Kigali in clinical activities and in developing a thesis research project during my trips to Rwanda. 5 hours

06/2013 - 06/2015

Steve Nshuti, Resident, Dept of Surgery, Univ Teaching Hospital, Kigali, Univ of Rwanda, I mentored him through in person meetings in Kigali and by email in conducting a trauma epidemiology project along with other students and residents and this ultimately resulted in one publication. 20 hours.

06/2013 - 06/2015

Rebecca Maine, Resident, UCSF Department of Surgery, she acquired funding from Harvard to work with me on a prehospital injury epidemiology project in Rwanda. She

spent one year living in Rwanda and working on my projects. I mentored her through in person meetings in Kigali and by email in conducting a trauma epidemiology project along with other students and residents and this ultimately resulted in two papers that are under review for publication at this time. 120 hours.

01/2013 - 08/2014

Jean Paul Vizir, Medical Student, Univ of Rwanda, I mentored him through in person meetings in Kigali and by email in conducting a trauma epidemiology project along with other students and residents and this ultimately resulted in one publication. 20 hours.

06/2012 - 08/2014

Zeta Mutabazi, Medical Student, Univ of Rwanda, I mentored him through in person meetings in Kigali and by email in conducting a prehospital injury epidemiology and trauma epidemiology projects along with other students and residents and this ultimately resulted in one publication. 20 hours.

06/2012 - 08/2014

Allen Ingabire, Resident, Dept of Surgery, Univ Teaching Hospital, Kigali, Univ of Rwanda. I mentored him via conference calls, through in person meetings in Kigali and by email to present two international abstracts - one at Bethune Round Table in Canada and one at the American College of Surgeons Annual Clinical Congress in Washington DC. I also mentored in conducting a trauma epidemiology project along with other students and residents and this ultimately resulted in one publication. 100 hours.

06/2012 - 06/2014

Jean Paul Mvukiyehe, Medical Student, Univ of Rwanda, I mentored him through in person meetings in Kigali and by email in conducting a trauma epidemiology project along with other students and residents and this ultimately resulted in one publication. 20 hours.

06/2012 - 08/2013

Jean Jacques Irakiza, Medical Student, Univ of Rwanda, I mentored him through in person meetings in Kigali and by email in conducting a trauma epidemiology project along with other students and residents and this ultimately resulted in one publication. 20 hours.

06/2012 - 08/2013

Woon Cho Kim, Medical Student, Emory University School of Medicine, she acquired funding from Emory School of Public Health to work with me on a trauma epidemiology project in Rwanda and help set up a prehospital injury epidemiology project. She spent one year living in Rwanda and working on my projects. I mentored her through in person meetings in Kigali and by email in conducting a trauma epidemiology project along with other students and residents and this ultimately resulted in one publication. 120 hours.

01/2012 - 06/2013

Jessica Beard, Resident, UCSF Department of Surgery, I mentored when she was deciding to do her research years during surgery residency and in her application for a

MPH degree. I arranged introductions and set up conference calls for her to talk to my thesis mentor at the London School of Hygiene and Tropical Medicine. 5 hours
06/2010 - 06/2011

Matthew Stanich, Resident, UCSF Department of Surgery, I mentored him to conduct data analysis and interpretation and work on a manuscript, 40 hours.
06/2008 - 08/2009

Charlie Blackshear, Medical Student, UCSF, I mentored him to conduct a project in Kampala, Uganda. He collected data, analyzed it and wrote up two abstracts that he presented at a Surgical Disparities conference at Harvard. He received support from UCSF to work with me on this project on thyroid disease in Uganda. This led to one publication.
06/2008 - 08/2009

Nolan Caldwell, Medical Student, UCSF, I mentored him to conduct a project on injury mortality in Kampala, Uganda. He collected data, analyzed it and wrote up two abstracts that he presented at a Surgical Disparities conference at Harvard. He received support from UCSF to work with me on this project in Uganda. This led to three publications.
06/2008 - 08/2009

Justin Miyamoto, Medical Student, UCSF, I mentored him to conduct a project on injury mortality in Kampala, Uganda. He collected data, analyzed it and wrote up two abstracts that he presented at a Surgical Disparities conference at Harvard. He received support from UCSF to work with me on this project in Uganda. This led to three publications.
06/2008 - 08/2009

Presentations

Invited

Internal/VCU

Keynote Speaker, "How to be a humanistic physician," VCU Student Honors Day and Student Clinical Ceremony
04/2019

VCU and Trauma/EMS Capacity Building in Rwanda: 2011- Present, VCU Center for Interprofessional Education and Collaborative Care, Monthly Speaker Series
04/2019

Invited Faculty Speaker, Urology and Global Surgery, Bunts-Hackler Conference, Department of Urology, VCU
03/2019

Global Surgery Update, VCU Department of Surgery Grand Rounds
11/2018

Inaugural Lecture, "Global Surgery: What's it all about?", VCU Program for Global Surgery, Global Surgery Seminar Series
08/2018

VCU Center for Adult Critical Care Education Conference, Critical Care in LMICs
05/2018

Conference Moderator: 2015 Rao Ivatury Trauma Symposium
03/2018

Moderator, VCU Division of Acute Care Surgery, Trauma Conference Lecture by Patrick Reed, PharmD, Bloodless Medicine, Management of Jehovah's Witness Patients, September 2017
09/2017

VCU Center for Adult Critical Care Education Conference, Critical Anemia in the Jehovah's Witness Patient, September 2017
09/2017

Developing a Program for Global Surgery at VCU, Pitch to Department/Division Leadership, July 2017
07/2017

Minimizing Medication Errors and Increasing Patient Safety Via Mass Spectrometry Based Medication Reconciliation, VCU Innovation Gateway, Pitch to InnovaTech CEO, June 2017
06/2017

Minimizing Medication Errors and Increasing Patient Safety Via Mass Spectrometry Based Medication Reconciliation, VCU Innovation Gateway, Pitch to CIT Bank Leadership, June 2017
06/2017

Minimizing Medication Errors and Increasing Patient Safety Via Mass Spectrometry Based Medication Reconciliation, VCU Innovation Gateway, Quest Commercialization Grant, 2nd Round Proof of Concept Presentation, May 2017
05/2017

Global Surgery talk, VCU SOM M4 Surgery Boot Camp, Feb 2017
02/2017

VCU Crone Scholars Program –Rwanda, VCU SOM, Nov 2016
11/2016

Faculty Lead, Mock Oral Board Review on Trauma, VCU Senior and Chief Residents in Surgery, Sept 2016
09/2016

Novel Anticoagulants and Impact on Surgical Care, 1hr talk, 8h prep time, VCU Division of Acute Care Surgery Coagulopathy Research Meeting, July 2016

07/2016

Novel Anticoagulants and Impact on Surgical Care, 1hr talk, 8h prep time, VCU Dept of Surgery Grand Rounds, May 2016

05/2016

"Why should we care about Global Trauma and Emergency Care?", 1 hr talk, 1 hour prep time, ITSDP Medical Student Chapter Lunch Lecture, Aug 2015

08/2015

"How to Build an Academic Surgical Career", 30min talk, 2 hour prep time, VCU NIH P60 Monthly Conference, Aug 2015

08/2015

"Postoperative Complications," 1hour talk, 1hour prep time, Third Year Medical Student Surgery Clerkship Lecture, Department of Surgery, VCU Medical Center, Aug 2015

08/2015

Panelist: Ethics in Global Health, VCU 3rd Annual Global Health Showcase, Apr 2015

04/2015

"Postoperative Complications," 1hour talk, 1hour prep time, Third Year Medical Student Surgery Clerkship Lecture, Department of Surgery, VCU Medical Center, March 2015

03/2015

Conference Moderator: 2015 Rao Ivatury Trauma Symposium, Mar 2015

03/2015

Ultrasound guided Central line placement Simulation teaching session for ICU Advanced Practice Nurses- VCU School of Medicine, Jan 2015, (2.5hours)

01/2015

"Postoperative Complications," 1hour talk, 1hour prep time, Third Year Medical Student Surgery Clerkship Lecture, Department of Surgery, VCU Medical Center, Dec 2014

12/2014

"Postoperative Complications," 1hour talk, 1hour prep time, Third Year Medical Student Surgery Clerkship Lecture, Department of Surgery, VCU Medical Center, Sept 2014

09/2014

"Postoperative Complications," 1hour talk, 1hour prep time, Third Year Medical Student Surgery Clerkship Lecture, Department of Surgery, VCU Medical Center, July 2014

07/2014

"Preoperative evaluation," 1hour talk, 2hour prep time, Surgery Resident Annual Lecture series, Department of Surgery, VCU Medical Center, July 2014

07/2014

"Global Surgery", VCU 2nd Annual Global Health Showcase, Apr 1, 2014

04/2014

"Fluids, Electrolytes and Nutrition", two hour talk, 1hour prep time, MIV Elective, School of Medicine April 2014
04/2014

Foley and NG placement, 1.5 hours, MIV Elective, School of Medicine March 2014
03/2014

Conference Moderator: 2014 Rao Ivatury Trauma Symposium, Mar 2014
03/2014

Faculty Facilitator, ITSDP Medical Student Chapter Journal Club, Feb 2014
02/2014

"Hospital Acquired Infection", Basic Science Didactics for Junior Residents, Department of Surgery, VCU Medical Center, Jan 2014 (1hr talk, 1hr prep time)
01/2014

Senior Resident Senior Basic Science Teaching session, "Initial Management of Trauma", Acute General Surgery Service, VCU Medical Center, September 2013
09/2013

Lecture to ITSDP Student Chapter, VCU SOM, Global Health Collaborations, Feb 2014
(1hr)

Local/Regional (Virginia but Non-VCU)

Invited Faculty Speaker, "Penetrating Cardiac Trauma", 6th Annual Central Virginia EMS Education Expo, Mar 2015

Invited Faculty Speaker, "Penetrating Cardiac Trauma", Virginia EMS Symposium, Nov 2014

"Global Surgical Collaborations – Examples from Uganda and Rwanda", Invited Guest Speaker, Department of Surgery, University of Virginia, March 2013.
03/2013

National

R21 Grantee Speaker, Evaluating the Quality of Prehospital Emergency Care in Kigali, Rwanda, NIH Injury and Global Trauma Network Meeting, Apr 2019
04/2019

Faculty Organizer and Ethics in Global Surgery, Small Group Session, Virginia Global Surgery Symposium, Mar 2019
03/2019

Creating a Program, Virginia Global Surgery Symposium, Mar 2019
03/2019

Trauma and Emergency Systems, Virginia Global Surgery Symposium, Mar 2019
03/2019

Faculty Organizer and Opening Speaker, Welcome to VCU and Virginia Global Surgery Symposium, Mar 2019
03/2019

Faculty Organizer and Opening Speaker, Welcome to the VCU Global Health Innovation Expo, Mar 2019
03/2019

Visiting Professor Lecture: Global Surgery: What's it all about?, University of Texas San Antonio, Center for Humanities and Medical Ethics, Jan 2019
01/2019

R21 Grantee Speaker, Evaluating the Quality of Prehospital Emergency Care in Kigali, Rwanda, NIH NCD Network Meeting, Oct 2018
10/2018

Course Instructor/Speaker, "Update on Global Injury," American College of Surgeons' Third Course on Global Surgery- [Global Health Competencies for Surgeons: Cognitive and System Skills](#), ACS Clinical Congress, Oct 2018
10/2018

Visiting Professor Lecture: VCU- Rwanda Collaboration, Yale University, Apr 2018
04/2018

Visiting Professor Lecture: Global Surgery: What's it all about?, University of Texas San Antonio, Center for Humanities and Medical Ethics, Jan 2018
01/2018

Co-Moderator: Motivation/Mentorship: Lunch Session, American College of Surgeons' Second Course on Global Surgery, ACS Clinical Congress, Oct 2017
10/2017

Course Instructor/Speaker, "Trauma Research," American College of Surgeons' Second Course on Global Surgery- [Global Health Competencies for Surgeons: Cognitive and System Skills](#), ACS Clinical Congress, Oct 2017
10/2017

Panelist: R Horton, CJL Murray, A Misganaw, J Newton, **S Jayaraman**, "Measuring the World's Health: Findings and Lessons from the Global Burden of Disease Collaboration," Consortium of Universities for Global Health 2017 Conference, Washington DC, Apr 2017
04/2017

Session Chair, Co-Moderator & Plenary Speaker Hot Topics Session: "Global Surgery: Just a Hobby or a Viable Academic Career Path?", Academic Surgical Congress, Las Vegas, Feb 2017
02/2017

Invited Discussant, Global Surgery Abstract Session, ACS Clinical Congress, Oct 2016
10/2016

Invited Discussant, Global Surgery Abstract Session, ACS Clinical Congress, Oct 2015
10/2015

Jayaraman, Mata, Rodas, Mora, Ordoñez, Morales, Quioddettis, Duong , Ivatury, Aboutanos, *Health Informatics, Information Technology and Development of an Innovative Global Trauma Registry*, American Public Health Association Annual Conference, Nov 2014.

Kim WC, Byiringiro JC, Ntakiyiruta G, Kyamanywa P, Irakiza J, Mvukiyehe JP, Mutabazi Z, Vizir JP, Ingabire A, Nshuti S, Rogers Jr. SO, Riviello R, **Jayaraman S.**, *Injury Mortality: A Vital Statistic In Kigali, Rwanda*, US Investigators' Network Symposium on Global Non-Communicable Diseases Research, Emory University, Sept 2014

Jayaraman, S., Klompas, M., Bascom, M., Liu, X., Rogers Jr, S.O., Askari, R., *Hand Hygiene Compliance Does Not Predict Rates of Resistant Infections in Critically Ill Surgical Patients*, Surgical Infection Society, Apr 2013

Jayaraman, S., Askari, R., Bascom, M., Liu, X., Rogers Jr, S.O., Klompas, M., *Incidence of Resistant Infections in the Surgical ICU: the Impact of Responding to Acinetobacter Outbreaks*, Surgical Infection Society, Apr 2013

"Global Surgical Collaborations – Examples from Uganda and Rwanda", Invited Guest Speaker, Department of Surgery, Dartmouth University, March 2013.

Jayaraman, S., Askari, R., Bascom, M., Liu, X., Rogers, S.O., Klompas, M., *Critically Ill Trauma And General Surgical Patients Have Differential Responses To Current Infection Control Strategies*, Society of Critical Care Medicine, Jan 2013

"CRASH2 and MATTERS", Surgical ICU Journal Club, Brigham and Women's Hospital, June 2012.

M., Bascom, **Jayaraman, S.**, Klompas, M., Liu, X., Rogers, S.O., Askari, R., *Incidence of Resistant Infections in the Surgical ICU: the Impact of Responding to Acinetobacter Outbreaks*, Harvard Medical School Surgery Resident Research Day, May 2012

Jayaraman, S., Klompas, M., Bascom, M., Liu, X., Askari, R., Rogers, S.O., *Incidence of Resistant Infections in the Surgical ICU: the Impact of Responding to Acinetobacter Outbreaks*, New England Surgical Society Resident and Fellow Research Day, May 2012

"Incidence of Resistant Infections in the Surgical ICU", Research Talk, Brigham and Women's Hospital Department of Surgery Hechtman Trauma Visiting Professor Luncheon, March 2012.

"Postoperative Complications in Gastric Bypass Patients", Surgical ICU Fellows Lecture, Brigham and Women's Hospital, Feb 2012.

"Challenges of Renal Transplantation", Combined Medical/Surgical ICU Conference, Brigham and Women's Hospital, Jan 2012.

"Glucose Control in the ICU", Surgical ICU Journal Club, Brigham and Women's Hospital, Nov 2011.

"Cystic Neoplasms of the Pancreas", Chief Resident Talk, UCSF Department of Surgery Grand Rounds, April 2011.

Jayaraman, Richardson, Conrad, Eichler, Schecter, *Mycotic pseudoaneurysms due to Injection Drug Use: a 10 year experience*, Pacific Coast Surgical Association, February 2011.

"UCSF Department of Surgery: Global Health Opportunities", UCSF Department of Surgery Residency Interviews, January 2011.

"The UCSF & Uganda Collaboration – Global Partners in Anesthesia & Surgery", UCSF Department of Surgery Grand Rounds, September 2010.

"Tackling the Forgotten Elephant of Global Health Equity: Disparities in Injury Mortality in Uganda and the United States", UCSF Department of Surgery Resident Research Day Symposium, March 2010.

"UCSF Department of Surgery: Global Health Opportunities", UCSF Department of Surgery Residency Interviews, January 2010.

"UCSF Surgery in Uganda: an Academic Collaboration", UCSF Department of Surgery Grand Rounds, January 2010.

"UCSF Trauma Programs Abroad Anesthesia and Surgery in Developing Countries", UCSF Department of Anesthesia, Dec 2009.

"Surgery & Global Health", Bay Area International Health Interest Group, March 2009.

"Academic Collaboration between Surgical Training Programs: UCSF & Mulago Hospital, Kampala, Uganda", UCSF Department of Surgery Grand Rounds, February 2009.

International

Conference Organizer, Representing VCU, NIH P20 grant supported First Rwanda National Trauma Symposium, Feb 2019
02/2019

Jayaraman, Moderator, Panel on Critical Care in LMICs, World Federation of Societies of Anesthesia and Rwanda Anesthesia Society, Kigali, Rwanda, December 2018
12/2018

Jayaraman, Injury in Africa, African Federation Congress on Emergency Medicine 3rd annual meeting, Kigali, Rwanda, November 2018
11/2018

Invited **Moderator- Oral Abstract session**, African Federation Congress on Emergency Medicine 3rd annual meeting, Kigali, Rwanda, November 2018
11/2018

Evaluating Quality of Prehospital Care in Kigali, Rwanda – NIH R21 NCD Investigators Meeting, Bethesda, MD, October 2018

10/2018

Jayaraman, Asay, Williams, Emergency Obstetric-Neonatal Course, developed and conducted inaugural Train-the-Trainers course on prehospital management of obstetric and neonatal emergencies for prehospital staff in Kigali, Rwanda, August 2018
08/2018

Jayaraman, Williams, Emergency Obstetric-Neonatal Course, moderated new instructors in course delivery, Rwanda, August 2018
08/2018

Jayaraman & Asay, Emergency Medical Care Course, developed and conducted inaugural Train-the-Trainers course on prehospital management of medical emergencies for prehospital staff in Kigali, Rwanda, April 2018
04/2018

Jayaraman & Asay, Emergency Medical Care Course, moderated new instructors in course delivery, Rwanda, April 2018
04/2018

Jayaraman & Asay, Emergency Trauma Care Course, developed and conducted inaugural Train-the-Trainers course for prehospital staff in Kigali, Rwanda, Jan 2018
01/2018

Jayaraman, Educator Course lecturer, inaugural course, Rwanda, Jan 2018
01/2018

Jayaraman & Asay, Emergency Trauma Care Course, moderated new instructors in course delivery, Rwanda, Jan 2018
01/2018

"Diagnosing Shock", 1hour talk, 3hour prep time, Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, 11/2017
11/2017

"Resuscitation in Trauma", 1hour talk, 3hour prep time, Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, 11/2017
11/2017

Colorectal and Urologic Trauma, 45min session, 3 hr prep time, Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, 5/2017
05/2017

Trauma in Pregnancy, 45min session, 3 hr prep time, Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, 5/2017
05/2017

Mechanical Ventilation Basics, 1 hr session, 2 hr prep time, Adult Intensive Care Unit, Centre Hospitalier Universitaire de Kigali, Rwanda, 5/2017
05/2017

Trauma in Pregnancy, 45min session, Adult Intensive Care Unit, Centre Hospitalier Universitaire de Kigali, Rwanda, 5/2017
05/2017

Jayaraman & Kabagema, Trauma and EMS Systems Development – in Rwanda, Rwanda Emergency Care Association 2nd Annual Conference, Kigali, Rwanda, May 2017
05/2017

Jayaraman & Uwitonze, Trauma and EMS in Rwanda, Emergency Medicine in the Tropics Course, Centre Hospitalier Universitaire de Kigali, Rwanda, May 2017
05/2017

Invited Participant, Lancet Commission for Noncommunicable Diseases and Injuries, Kigali, Rwanda, Oct 2016
Engage in discussion on the global impact of NCDs and Injuries particularly on the world's poor. The Commission meets around the world and aims to devise key messages and actions to be published in The Lancet that helps governments strategize and set priorities related to NCDs and Injuries which are increasing problems in low and middle income countries.
10/2016

Panel Speaker, Launch of Special Issue of The Lancet on the Global Burden of Disease 2015, Washington DC, Oct 2016
I am one of three panelists including Chris Murray, Head of IHME/GBD group, Tim Evans, Sr Dir of Health, Nutrition and Population at the World Bank. We will be discussing the results of the 2015 GBD papers that will be published in The Lancet and the impact of the results on global health policy and development.
10/2016

"Thoracic Trauma", Presenter/Moderator, Panamerican Trauma Tele-Conference, Richmond, VA, April 2016

"Penetrating Hilar Trauma", Presenter/Moderator, Panamerican Trauma Tele-Conference, Richmond, VA, April 2016

Presenter/Moderator, Blunt Pancreatic Trauma in Kigali, Rwanda, Pan-American Trauma Society Tele-Conference, Aug 2015

"Mock Oral Board Exams: Hepatic Trauma", 1 hr session, 1 hr prep time, Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, June 2015

"Shock and Fluid Resuscitation", 1hour talk, 1hour prep time, Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, June 2015

External Examiner, Surgery Chief Resident OSCE and Dissertation Defense, Department of Surgery, University Teaching Hospital, Kigali, Rwanda, June 2015 (9hours)

External Examiner, Medical Student Surgery Rotation OSCE, Department of Surgery, University Teaching Hospital, Kigali, Rwanda, June 2015 (6hours)

"Chest Trauma: How to Diagnose and Manage", 1hour talk, 1hour prep time, Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, Apr 2015

Jayaraman, Mata, Rodas, Mora, Wolfe, Duong, Ivatury, Aboutanos, *Essential Elements of a Trauma Registry: Verification of the WHO Minimal Data Standard Tier 1*, College of Surgeons of East, Central and South Africa, Dec 2014.

Jayaraman, Mata, Rodas, Mora, Ordoñez, Morales, Quioddettis, Duong , Ivatury, Aboutanos, *A Multi-Country Electronic Trauma Registry- VCU/Panamerican Trauma Society Experience*, College of Surgeons of East, Central and South Africa, Dec 2014.

"Penetrating Cardiac Trauma", Panamerican Trauma Tele-Conference, Richmond, VA, Nov 2014

"Penetrating Thoracic Trauma", Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, Nov 2014

Visiting Professor Lecture: How to pick a Research topic, Research Design, Department of Surgery, University of Azuay Medical School, Cuenca, Ecuador, Oct 2014

Visiting Professor Lecture: Global Surgical Collaborations: Department of Surgery, University of Azuay Medical School, Cuenca, Ecuador, Oct 2014

Visiting Professor Lecture: Airway, Basic Trauma Course, University of Azuay Medical School, Cuenca, Ecuador, Oct 2014

Pancreatic, Duodenal and Biliary Injuries, Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, Aug 2014 (1hr talk, 2hrs prep time)

Examiner, Medical Student Surgery Rotation OSCE, Department of Surgery, University Teaching Hospital, Kigali, Rwanda, Feb 2014 (4hours)

"How to Give Succinct Oral Presentations", Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, Feb 2014

"Doing Research", Invited Guest Speaker, Sanitaire Ambulance Medical Urgence, Kigali, Rwanda, December 2013.

"How to Choose a Research Question", Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, Nov 2012.

"Research Design", Department of Surgery, Centre Hospitalier Universitaire de Kigali, Rwanda, Nov 2012.

Presenter, Trauma Sub-Group, Bellagio Essential Surgery Group Meeting, Kampala, Uganda, July 2008

Posters or Other Unsolicited Presentations

Internal/VCU

Critical care teaching session: Bedside Ventilator Settings, STICU, VCU, August 2018

08/2018

Critical care teaching session: Mechanical Ventilation Basics, STICU, VCU, August 2018
08/2018

Critical care teaching session: Diagnosing Shock, STICU, VCU, August 2018
08/2018

Critical care teaching session- moderator/discussant: Mechanical Ventilation Basics and
Bedside Ventilator Settings, STICU, VCU, December 2017
12/2017

Critical care teaching session- moderator/discussant: Trauma in Pregnancy, STICU,
VCU, November 2017
11/2017

Critical care teaching session- moderator/discussant: Mechanical Ventilation Basics,
STICU, VCU, November 2017
11/2017

Novel Anticoagulants and Impact on Surgical Care, 1hr talk, 8h prep time, VCU Division
of Acute Care Surgery Coagulopathy Research Meeting, July 2016
07/2016

Ultrasound guided Central line placement Simulation teaching session for ICU
Advanced Practice Nurses- VCU School of Medicine, 1/2015, (2.5hours)
01/2015

Faculty Examiner/Coach, Mock Oral Board Review on Trauma, VCU Senior and Chief
Residents in Surgery, Sept 2016

Critical care teaching session- moderator/discussant, STICU, VCU, Critical Care topics,
Jan 2015 (1hr)

Critical care teaching session- Nutrition in critical illness, STICU, VCU, Aug 2014, (1hr
prep, 1hr session)

Critical care teaching session- Vent Management in the ICU, STICU, VCU, Aug 2014,
(1hr prep, 1hr session)

Critical care teaching session- moderator/discussant, STICU, VCU, Critical Care topics,
Feb 2014 (1hr)

Critical care teaching session- STICU, VCU, CVP and Fluid Status in the ICU, Feb 2014
(30min talk, 30min prep time)

Critical care teaching session- STICU, VCU, ARDS and ARDSnet trial, Feb 2014 (30min
talk, 30min prep time)

Intensive Care Unit Teaching Session "Respiratory Therapy" VCU Medical Center, Sept
2013

Intensive Care Unit Teaching Session "Ventilator Management" VCU Medical Center,
Aug 2013

Resident/Medical Student Teaching session, "Diverticulitis", Acute General Surgery
Service, VCU Medical Center, Aug 2013

Teaching Experience

Didactic and Clinical

Attending Physician, Trauma Surgery Inpatient Service (2-3 residents, 2NPs, 2M-3s), 6-10 weeks per year, 1 hour per day
08/2013 - Present

Attending Physician, Emergency General Surgery Inpatient Service (2-3 residents, 2M-3s), 6-10 weeks per year, 1 hour per day
08/2013 - Present

Attending Physician, Trauma ICU Inpatient Service (2-3 residents, 2NPs), 3-6 weeks per year, 1 hours per day
08/2013 - Present

Attending Physician, Surgery ICU Inpatient Service (1-2 residents, 1-2 NPs), 3-6 weeks per year, 1-2 hours per day
08/2013 - 2018

Attending Physician, Trauma clinic, (2 residents 2-3 M-3s), 5hours per clinic, 9 clinics a year
08/2013 - 2016

Service Activities

Clinical Service

Outpatient Activities

Attending Physician, Acute Care Surgery Faculty Clinic, 4 hours a week, 20-24 weeks a year
08/2013 - Present

Attending Physician, Trauma clinic, (2 residents 2-3 M-3s), 9 clinics a year
08/2013 - 2016

Inpatient Activities

Attending Physician, Trauma Surgery Inpatient Service, 6-10 weeks per year. I perform a diverse set of emergent cervical, thoracic, abdominal and extremity operations including thoracotomy, laparotomy, tracheostomy and limb amputations.
08/2013 - Present

Attending Physician, Acute General Surgery Inpatient Service, 6-10 weeks per year. I

perform a diverse set of elective and emergent cervical and abdominal operations including laparotomy, cholecystectomy, inguinal hernia repair, appendectomy and tracheostomy.

08/2013 - Present

Attending Physician, Trauma ICU Inpatient Service, 3-6 weeks per year, I manage critically ill trauma patients and provide perioperative critical care. This includes especially airway and respiratory failure management as well as hemodynamic/pressor management during shock (hemorrhagic, neurogenic, cardiogenic, septic, vasoplegic).

08/2013 - Present

Attending Physician, Surgery ICU Inpatient Service, 1-2 weeks per year, I manage critically ill postsurgical patients and provide perioperative critical care. This includes especially airway and respiratory failure management as well as hemodynamic/pressor management during shock (hemorrhagic, neurogenic, cardiogenic, septic, vasoplegic).

08/2013 - 2018

Trauma and Acute General Surgery and Surgical Trauma Critical Care Overnight call, I provide overnight in house coverage of new and existing patients (total census > 100 patients per call) on weeknights and weekends, 3-5 times a month, roughly 50 calls per year

08/2013 - Present

Miscellaneous Activities

Dean's guest on the Discovery Series on Critical Care, VCU Health, Williamsburg, VA, May 2016

05/2016 - 05/2016

Service to the Profession

Member, Education Committee, American College of Surgeons Operation Giving Back, Mar 2019- present

03/2019 - Present

Member, Advisory Board, Global Partners in Anesthesia and Surgery, UCSF Department of Surgery

10/2007 - Present

Abstract Reviewer, American College of Surgeons, Surgical Forum, 2019
2019

Invited Discussant, American College of Surgeons, Surgical Forum, Oct 2018
10/2018

Abstract Reviewer, American College of Surgeons, Surgical Forum, 2018
2018

Interviewer, AAS Global Surgery Fellowship Applicants, 2017
2017

AAS Mentor, Academic Surgical Congress, 2017
2017

Abstract Reviewer, American College of Surgeons, Surgical Forum, 2017
2017

Voting Member, Executive Council, Association for Academic Surgery, 4/2016-4/2017
04/2016 - 04/2017

Ad hoc Member, Society of University Surgeons Global Academic Surgery Committee,
2/2017- present
02/2016 - 02/2017

Interviewer, AAS Global Surgery Fellowship Applicants, 2016
2016

AAS Mentor, Academic Surgical Congress, 2016
2016

Co-Chair, Global Affairs Committee, Association for Academic Surgery, 4/2015-4/2017
04/2015 - 04/2017

Service to the Community

Re-appointed by Gov. Northam as Member of Governor's Advisory Board for Virginia
State Emergency Medical Services, 8/2018, three year term
08/2018 - Present

Appointed by Gov. McAuliffe as a Member of Governor's Advisory Board for Virginia
State Emergency Medical Services, 6/2014, four year term
06/2014 - Present

Service to the University

Promotions and Tenure Committee member, Associate Professor level, Department of
Emergency Medicine, 2018
2018

Search Committee Faculty, VCU Dept of Surgery, Division of Acute Care Surgery, Dec
2017-2018
12/2017 - 2018

Faculty Reference for Promotions and Tenure Applications – 2 Assoc Professor
Candidates, 2017
2017

Chair of the Geriatric Trauma taskforce, VCU Level 1 Trauma Center, August 2015-
present
08/2015 - 2017

Faculty Advisor, International Trauma Systems Development Program Student Chapter,

8/2013-present
08/2013 - 2016

Service to the School of Medicine

Selected Faculty, VCU Medical Philanthropy Champions, May 2019 - present
05/2019 - Present

Faculty Interviewer, VCU Dept of Surgery, General Surgery Residency Interviews,
2016- present
2016 - Present

Clinical Competency Committee for Surgical Critical Care Fellowship – quarterly
2013 - Present

Mock Oral Board Exams, VCU Senior and Chief Residents in Surgery, May 2019
05/2019

Faculty Advisor, VCU Global Surgery Seminar Series, Monthly, August 2018 –present
08/2018

Scholarship Oversight Committee, VCU Pediatric Emergency Medicine Fellowship, 2017-
2019
2017 - 2019

VCU Medical Center, Pathology/Transfusion Medicine Faculty Recruitment Interviewer,
2017
2017

Blood Utilization and Review Committee, VCU Medical Center, 7/2016-present
07/2016 - 2018

VCU Medical Center, Surgical Critical Care Fellowship Interviewer, 2015
06/2015 - 10/2015

VCU Global Health Showcase Organizing Committee, VCU Medical Center, 2015
2015

Program Evaluation Committee, General Surgery Residency, Department of Surgery,
VCU Medical Center, 9/2014-present
09/2014 - 06/2016

Appointed Chair, Focused Checklist Committee, VCU Medical Center, Revise and
implement the Surgical Checklist for the VCU Main Operating Rooms
09/2014 - 2016

VCU Medical Center, Trauma Surgery Faculty Recruitment Interviewer, 8/2014 -
3/2016
08/2014 - 03/2016

VCU Medical Center, Surgical Critical Care Fellowship Interviewer, 2014

06/2014 - 10/2014

Invited member, Operating Room Processes SubCommittee, VCU Medical Center,
Create policies and regulations to improve OR Process for the Main and Ambulatory
Operating Rooms at VCU
05/2014 - 2016

VCU Medical Center, Vascular Surgery Faculty Recruitment Interviewer, 1/2014
–8/2014
01/2014 - 08/2014

VCU Global Health Showcase Organizing Committee, VCU Medical Center, 2014
2014

Mortality Audit Committee, Division of Trauma, VCU Medical Center, 8/2013- present
08/2013

Patient Care Committee, Division of Trauma, VCU Medical Center, 8/2013- present
08/2013

Faculty Lead, Mock Oral Board Review on Trauma, VCU Senior and Chief Residents in
Surgery, Sept 2016

Publications

Papers Published in Peer Reviewed Journals

1. Nsengimana*, Dworkin*, Rosenberg, Scott, Rivello, Byiringiro, Uwitonze, Kabagema, Dushime, **Jayaraman**, *Prehospital Epidemiology, Management and Outcomes of Injured Children in Kigali, Rwanda*, **Injury**, under review Aug 2019.

2. Rosenberg*, Uwinshuti*, Dworkin, Nsengimana, Kankindi, Niyonsaba, Uwitonze, Kabagema, Dushime, **Jayaraman**, Krebs, *Motorcycle Taxi Crashes Treated by SAMU, Rwanda's Prehospital Ambulance Service*, **Injury**, under review Aug 2019.

3. Rosenberg*, Mukagasasira*, Turikumana, Dworkin, Nsengimana, Kankindi, Niyonsaba, Nkeshimana, Uwitonze, Kabagema, Dushime, **Jayaraman**, *NCD Emergencies and the Need for Prehospital Care: Experience from Kigali, Rwanda*, **Journal of Public Health**, under review Aug 2019.

4. Rosenberg*, Mukeshimana*; Uwamahoro; Dworkin; Nsengimana; Kankindi; Niyonsaba; Uwitonze; Kabagema; Dushime; **Jayaraman**, *Management of Traumatic Brain Injuries by SAMU Prehospital Ambulance Service in Kigali, Rwanda*, **Injury**, under review Aug 2019.

5. Rosenberg*, Nyinawankusi*, Habihirwe, Dworkin, Nsengimana, Putman, Kankindi, Niyonsaba, Uwitonze, Kabagema, Dushime, **Jayaraman**, *Prehospital Emergency Obstetric Care by SAMU in Kigali, Rwanda*, **International Public Health Journal**, under review Aug 2019. DeAntonio, McEwen, Mitchell, Liebrecht, Kumar, Contaifer, Van Tassell, Brophy, Zimmerman, Carroll, Aboutanos, Mangino, Bachmann, Wijesinghe,

Jayaraman. *Medication Reconciliation and Patient Safety in Trauma: Applicability of Existing Strategies*, **J Surg Res**, under review Aug 2019.

6. DeAntonio, McEwen, Mitchell, Liebrecht, Kumar, Contaifer, Van Tassell, Brophy, Zimmerman, Carroll, Aboutanos, Mangino, Bachmann, Wijesinghe, **Jayaraman.** *Medication Reconciliation and Patient Safety in Trauma: Applicability of Existing Strategies*, **J Surg Res**, Submitted May 2019.

7. Noble, Scott, Nyinawankusi, Uwitonze, Kabagema, Maine, Riviello, Enumah, Hu, Mutabazi, Byiringiro, **Jayaraman**, *The Impact of Data Feedback on Continuous Quality Improvement Projects in Rwanda: A mixed methods analysis*, **Int J of Public Health**, Submitted May 2019.

8. **Jayaraman**, DeAntonio, Han, Liebrecht, Contaifer, Young, Chou, Staschen, Doan, Kumar, Nguyen, Chenault, Aboutanos, Anand, Bennett, Ferrada, Goldberg, Leichtle, Procter, Rodas, Rossi, Whelan, Feeser, Vitto, Broering, Hobgood, Mangino, Bachmann, Wijesinghe., *Identifying Direct Oral Anticoagulants in Trauma using Mass Spectrometry*, **J Trauma**, Submitted Apr 2019.

9. Rosenberg, Rickard, Uwinshuti, Muyombano, Mbanjumucyo, Uwitonze, Kabagema, Dushime, **Jayaraman**, *Innovative Mobile Solutions for Ambulances in Low Resource Settings*, **Am J of Surgery**, Under Review Mar 2019.

10. Liebrecht LK, Newton J, Martin EJ, Wickramaratne N, **Jayaraman S**, Han J, Aboutanos M, Brophy DF, Mangino MJ. Effects of a novel low volume resuscitation solutions on coagulation and platelet function. *PLoS One*. 2019; 14(5):e0215386. PMID: [31042735](https://pubmed.ncbi.nlm.nih.gov/31042735/)

11. Christie SA, Nwomeh BC, Krishnaswami S, Yang GP, Holterman AL, Charles A, **Jayaraman S**, Jawa RS, Rickard J, Swaroop M, Sifri ZC, Etoundi Mballa GA, Monono ME, Chichom Mefire A, Juillard C. [*Strengthening Surgery Strengthens Health Systems: A New Paradigm and Potential Pathway for Horizontal Development in Low- and Middle-Income Countries.*](#) **World J Surg**. 2019 Mar;43(3):736-743. doi: 10.1007/s00268-018-4854-9. PubMed PMID: 30443662.

12. Noble, Scott, Nyinawankusi, Uwitonze, Kabagema, Maine, Riviello, Enumah, Hu, Mutabazi, Byiringiro, **Jayaraman**, *The Impact of Data Feedback on Continuous Quality Improvement Projects in Rwanda: A mixed methods analysis*, **Int J of Public Health**, Submitted May 2019.

13. **Jayaraman**, DeAntonio, Han, Liebrecht, Contaifer, Young, Chou, Staschen, Doan, Kumar, Nguyen, Chenault, Aboutanos, Anand, Bennett, Ferrada, Goldberg, Leichtle, Procter, Rodas, Rossi, Whelan, Feeser, Vitto, Broering, Hobgood, Mangino, Bachmann, Wijesinghe., *Identifying Direct Oral Anticoagulants in Trauma using Mass Spectrometry*, **J Trauma**, Accepted July 2019.

14. Liebrecht LK, Newton J, Martin EJ, Wickramaratne N, **Jayaraman S**, Han J, Aboutanos M, Brophy DF, Mangino MJ. [*Effects of a novel low volume resuscitation solutions on coagulation and platelet function.*](#) **PLoS One**. 2019;14(5):e0215386. doi: 10.1371/journal.pone.0215386. eCollection 2019. PubMed PMID: 31042735.

15. Christie SA, Nwomeh BC, Krishnaswami S, Yang GP, Holterman AL, Charles A, **Jayaraman S**, Jawa RS, Rickard J, Swaroop M, Sifri ZC, Etoundi Mballa GA, Monono ME, Chichom Mefire A, Juillard C. [*Strengthening Surgery Strengthens Health Systems: A New Paradigm and Potential Pathway for Horizontal Development in Low- and Middle-Income Countries.*](#) **World J Surg.** 2019 Mar;43(3):736-743. doi: 10.1007/s00268-018-4854-9. PubMed PMID: 30443662.
16. Rickard J, Onwuka E, Joseph S, Ozgediz D, Krishnaswami S, Oyetunji TA, Sharma J, Ginwalla RF, Nwomeh BC, **Jayaraman S**, Academic Global Surgery Taskforce.. Value of Global Surgical Activities for US Academic Health Centers: A Position Paper by the Association for Academic Surgery Global Affairs Committee, Society of University Surgeons Committee on Global Academic Surgery, and American College of Surgeons' Operation Giving Back. **J Am Coll Surg.** 2018 Oct; 227(4):455-466.e6. PMID: [30138702](#)
17. Global Burden of Disease 2016 Injury Collaborators., Naghavi M, Marczak LB, Kutz M, Shackelford KA, Arora M, Miller-Petrie M, Aichour MTE, Akseer N, Al-Raddadi RM, Alam K, Alghnam SA, Antonio CAT, Aremu O, Arora A, Asadi-Lari M, Assadi R, Atey TM, Avila-Burgos L, Awasthi A, Ayala Quintanilla BP, Barker-Collo SL, Bärnighausen TW, Bazargan-Hejazi S, Behzadifar M, Behzadifar M, Bennett JR, Bhalla A, Bhutta ZA, Bilal AI, Borges G, Borschmann R, Brazinova A, Campuzano Rincon JC, Carvalho F, Castañeda-Orjuela CA, Dandona L, Dandona R, Dargan PI, De Leo D, Dharmaratne SD, Ding EL, Phuc Do H, Doku DT, Doyle KE, Driscoll TR, Edessa D, El-Khatib Z, Endries AY, Esteghamati A, Faro A, Farzadfar F, Feigin VL, Fischer F, Foreman KJ, Franklin RC, Fullman N, Futran ND, Gebrehiwot TT, Gutiérrez RA, Hafezi-Nejad N, Haghighparast Bidgoli H, Hailu GB, Haro JM, Hassen HY, Hawley C, Hendrie D, Híjar M, Hu G, Ilesanmi OS, Jakovljevic M, James SL, **Jayaraman S**, Jonas JB, Kahsay A, Kasaeian A, Keiyoro PN, Khader Y, Khalil IA, Khang YH, Khubchandani J, Ahmad Kiadaliri A, Kieling C, Kim YJ, Kosen S, Krohn KJ, Kumar GA, Lami FH, Lansingh VC, Larson HJ, Linn S, Lunevicius R, Magdy Abd El Razek H, Magdy Abd El Razek M, Malekzadeh R, Carvalho Malta D, Mason-Jones AJ, Matzopoulos R, Memiah PTN, Mendoza W, Meretoja TJ, Mezgebe HB, Miller TR, Mohammed S, Moradi-Lakeh M, Mori R, Nand D, Tat Nguyen C, Le Nguyen Q, Ningrum DNA, Akpojene Ogbo F, Olagunju AT, Patton GC, Phillips MR, Polinder S, Pourmalek F, Qorbani M, Rahimi-Movaghar A, Rahimi-Movaghar V, Rahman M, Rai RK, Ranabhat CL, Rawaf DL, Rawaf S, Rowhani-Rahbar A, Safdarian M, Safiri S, Sagar R, Salama JS, Sanabria J, Santric Milicevic MM, Sarmiento-Suárez R, Sartorius B, Satpathy M, Schwebel DC, Seedat S, Sepanlou SG, Shaikh MA, Sharew NT, Shiue I, Singh JA, Sisay M, Skirbekk V, Soares Filho AM, Stein DJ, Stokes MA, Sufiyan MB, Swaroop M, Sykes BL, Tabarés-Seisdedos R, Tadese F, Tran BX, Thanh Tran T, Ukwaja KN, Vasankari TJ, Vlassov V, Werdecker A, Ye P, Yip P, Yonemoto N, Younis MZ, Zaidi Z, El Sayed Zaki M, Hay SI, Lim SS, Lopez AD, Mokdad AH, Vos T, Murray CJL. Global Mortality From Firearms, 1990-2016. **JAMA.** 2018 Aug 28; 320(8):792-814. PMID: [30167700](#)
18. **Jayaraman SP**, Anand RJ, DeAntonio JH, Mangino M, Aboutanos MB, Kasirajan V, Ivatury RR, Valadka AB, Glushakova O, Hayes RL, Bachmann LM, Brophy GM, Contaifer D, Warncke UO, Brophy DF, Wijesinghe DS. Metabolomics and Precision Medicine in Trauma: The State of the Field. **Shock.** 2018 Jul; 50(1):5-13. PMID: [29280924](#)

19. US Burden of Disease Collaborators., Mokdad AH, Ballestros K, Echko M, Glenn S, Olsen HE, Mullany E, Lee A, Khan AR, Ahmadi A, Ferrari AJ, Kasaeian A, Werdecker A, Carter A, Zipkin B, Sartorius B, Serdar B, Sykes BL, Troeger C, Fitzmaurice C, Rehm CD, Santomauro D, Kim D, Colombara D, Schwebel DC, Tsoi D, Kolte D, Nsoesie E, Nichols E, Oren E, Charlson FJ, Patton GC, Roth GA, Hosgood HD, Whiteford HA, Kyu H, Erskine HE, Huang H, Martopullo I, Singh JA, Nachega JB, Sanabria JR, Abbas K, Ong K, Tabb K, Krohn KJ, Cornaby L, Degenhardt L, Moses M, Farvid M, Griswold M, Criqui M, Bell M, Nguyen M, Wallin M, Mirarefin M, Qorbani M, Younis M, Fullman N, Liu P, Briant P, Gona P, Havmoller R, Leung R, Kimokoti R, Bazargan-Hejazi S, Hay SI, Yadgir S, Biryukov S, Vollset SE, Alam T, Frank T, Farid T, Miller T, Vos T, Bärnighausen T, Gebrehiwot TT, Yano Y, Al-Aly Z, Mehari A, Handal A, Kandel A, Anderson B, Biroscak B, Mozaffarian D, Dorsey ER, Ding EL, Park EK, Wagner G, Hu G, Chen H, Sunshine JE, Khubchandani J, Leasher J, Leung J, Salomon J, Unutzer J, Cahill L, Cooper L, Horino M, Brauer M, Breitborde N, Hotez P, Topor-Madry R, Soneji S, Stranges S, James S, Amrock S, **Jayaraman S**, Patel T, Akinyemiju T, Skirbekk V, Kinu Y, Bhutta Z, Jonas JB, Murray CJL. The State of US Health, 1990-2016: Burden of Diseases, Injuries, and Risk Factors Among US States. JAMA. 2018 Apr 10; 319 (14):1444-1472. PMID: [29634829](#)

20. Liebrecht LK, Newton J, Martin EJ, Wickramaratne N, **Jayaraman S**, Han J, Aboutanos M, Brophy DF, Mangino MJ. Thromboelastographic analysis of novel polyethylene glycol based low volume resuscitation solutions. PLoS One. 2018; 13 (11):e0207147. PMID: [30439979](#)

21. **Co-author**, GBD 2016 Traumatic Brain Injury and Spinal Cord Injury Collaborators. [Global, regional, and national burden of traumatic brain injury and spinal cord injury, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016](#). **Lancet Neurol**. 2019 Jan;18(1):56-87. doi: 10.1016/S1474-4422(18)30415-0. Epub 2018 Nov 26. PubMed PMID: 30497965; PubMed Central PMCID: PMC6291456.

22. Scott JW, Nyinawankusi JD, Enumah S, Maine R, Uwitonze E, Hu Y, Kabagema I, Byiringiro JC, Riviello R, **Jayaraman S**. Improving prehospital trauma care in Rwanda through continuous quality improvement: an interrupted time series analysis. Injury. 2017 Jul; 48(7):1376-1381. PMID: [28420542](#)

23. Global Burden of Disease Child and Adolescent Health Collaboration., Kassebaum N, Kyu HH, Zoeckler L, Olsen HE, Thomas K, Pinho C, Bhutta ZA, Dandona L, Ferrari A, Ghiwot TT, Hay SI, Kinu Y, Liang X, Lopez A, Malta DC, Mokdad AH, Naghavi M, Patton GC, Salomon J, Sartorius B, Topor-Madry R, Vollset SE, Werdecker A, Whiteford HA, Abate KH, Abbas K, Damtew SA, Ahmed MB, Akseer N, Al-Raddadi R, Alemayohu MA, Altirkawi K, Abajobir AA, Amare AT, Antonio CAT, Arnlov J, Artaman A, Asayesh H, Avokpaho EFGA, Awasthi A, Ayala Quintanilla BP, Bacha U, Betsu BD, Barac A, Bärnighausen TW, Baye E, Bedi N, Bensenor IM, Berhane A, Bernabe E, Bernal OA, Beyene AS, Biadgilign S, Bikbov B, Boyce CA, Brazinova A, Hailu GB, Carter A, Castañeda-Orjuela CA, Catalá-López F, Charlson FJ, Chitheer AA, Choi JJ, Ciobanu LG, Crump J, Dandona R, Dellavalle RP, Deribew A, deVeber G, Dicker D, Ding EL, Dubey M, Endries AY, Erskine HE, Faraon EJA, Faro A, Farzadfar F, Fernandes JC, Fijabi DO, Fitzmaurice C, Fleming TD, Flor LS, Foreman KJ, Franklin RC, Fraser MS, Frostad JJ,

Fullman N, Gebregergs GB, Gebru AA, Geleijnse JM, Gibney KB, Gidey Yihdego M, Ginawi IAM, Gishu MD, Gizachew TA, Glaser E, Gold AL, Goldberg E, Gona P, Goto A, Gugnani HC, Jiang G, Gupta R, Tesfay FH, Hankey GJ, Havmoeller R, Hajar M, Horino M, Hosgood HD, Hu G, Jacobsen KH, Jakovljevic MB, **Jayaraman SP**, Jha V, Jibat T, Johnson CO, Jonas J, Kasaeian A, Kawakami N, Keiyoro PN, Khalil I, Khang YH, Khubchandani J, Ahmad Kiadaliri AA, Kieling C, Kim D, Kissoon N, Knibbs LD, Koyanagi A, Krohn KJ, Kuate Defo B, Kucuk Bicer B, Kulikoff R, Kumar GA, Lal DK, Lam HY, Larson HJ, Larsson A, Laryea DO, Leung J, Lim SS, Lo LT, Lo WD, Looker KJ, Lotufo PA, Magdy Abd El Razek H, Malekzadeh R, Markos Shifti D, Mazidi M, Meaney PA, Meles KG, Memiah P, Mendoza W, Abera Mengistie M, Mengistu GW, Mensah GA, Miller TR, Mock C, Mohammadi A, Mohammed S, Monasta L, Mueller U, Nagata C, Naheed A, Nguyen G, Nguyen QL, Nsoesie E, Oh IH, Okoro A, Olusanya JO, Olusanya BO, Ortiz A, Paudel D, Pereira DM, Perico N, Petzold M, Phillips MR, Polanczyk GV, Pourmalek F, Qorbani M, Rafay A, Rahimi-Movaghar V, Rahman M, Rai RK, Ram U, Rankin Z, Remuzzi G, Renzaho AMN, Roba HS, Rojas-Rueda D, Ronfani L, Sagar R, Sanabria JR, Kedir Mohammed MS, Santos IS, Satpathy M, Sawhney M, Schöttker B, Schwebel DC, Scott JG, Sepanlou SG, Shaheen A, Shaikh MA, She J, Shiri R, Shiue I, Sigfusdottir ID, Singh J, Silpakit N, Smith A, Sreeramareddy C, Stanaway JD, Stein DJ, Steiner C, Sufiyan MB, Swaminathan S, Tabarés-Seisdedos R, Tabb KM, Tadese F, Tavakkoli M, Taye B, Teeple S, Tegegne TK, Temam Shifa G, Terkawi AS, Thomas B, Thomson AJ, Tobe-Gai R, Tonelli M, Tran BX, Troeger C, Ukwaja KN, Uthman O, Vasankari T, Venketasubramanian N, Vlassov VV, Weiderpass E, Weintraub R, Gebrehiwot SW, Westerman R, Williams HC, Wolfe CDA, Woodbrook R, Yano Y, Yonemoto N, Yoon SJ, Younis MZ, Yu C, Zaki MES, Zegeye EA, Zuhlke LJ, Murray CJL, Vos T. Child and Adolescent Health From 1990 to 2015: Findings From the Global Burden of Diseases, Injuries, and Risk Factors 2015 Study. *JAMA Pediatr.* 2017 Jun 1; 171(6):573-592. PMID: [28384795](#)

24. Aluisio AR, Umuhire OF, Mbanjumucyo G, George N, Kearney A, Karim N, Nyinawankusi JD, Uwitonze E, Enumah S, Scott JW, Mutabazi Z, Ntakiyiruta G, **Jayaraman S**, Riviello R, Byiringiro JC, Levine AC. Epidemiologic Characteristics of Pediatric Trauma Patients Receiving Prehospital Care in Kigali, Rwanda. *Pediatr Emerg Care.* 2017 Feb 4. PMID: [28169980](#)

25. Saluja S, Nwomeh B, Finlayson SRG, Holterman AL, Jawa RS, **Jayaraman S**, Juillard C, Krishnaswami S, Mukhopadhyay S, Rickard J, Weiser TG, Yang GP, Shrim MG, [Guide to research in academic global surgery: A statement of the Society of University Surgeons Global Academic Surgery Committee.](#) Society of University Surgeons Global Academic Surgery Committee. **Surgery.** 2018 Feb;163(2):463-466. doi: 10.1016/j.surg.2017.10.013. Epub 2017 Dec 6. PMID: 29221877

26. **Co-author**, GBD 2015 Healthcare Access and Quality Collaborators, *Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990-2015: a novel analysis from the Global Burden of Disease Study 2015.*, **Lancet.** 2017 Jul 15;390(10091):231-266. doi: 10.1016/S0140-6736(17)30818-8. Epub 2017 May 18., PMID: 28528753

27. Mbanjumucyo G, George N, Kearney A, Karim N, Aluisio AR, Mutabazi Z, Umuhire

O, Enumah S, Scott JW, Uwitonze E, Nyinawankusi JD, Byiringiro JC, Kabagema I, Ntakiyiruta G, **Jayaraman S**, Riviello R, Levine AC. Epidemiology of injuries and outcomes among trauma patients receiving prehospital care at a tertiary teaching hospital in Kigali, Rwanda. *Afr J Emerg Med*. 2016 Dec; 6(4):191-197. PMID: [30456094](#)

28. Enumah S, Scott JW, Maine R, Uwitonze E, D'Arc Nyinawankusi J, Riviello R, Byiringiro JC, Kabagema I, **Jayaraman S**. Rwanda's Model Prehospital Emergency Care Service: A Two-year Review of Patient Demographics and Injury Patterns in Kigali. *Prehosp Disaster Med*. 2016 Dec; 31(6):614-620. PMID: [27655172](#)

29. **Jayaraman SP**, Jiang Y, Resch S, Askari R, Klompas M. Cost-Effectiveness of a Model Infection Control Program for Preventing Multi-Drug-Resistant Organism Infections in Critically Ill Surgical Patients. *Surg Infect (Larchmt)*. 2016 Jul 11 [epub ahead of print] PMID: 27399263

30. Global Burden of Disease Pediatrics Collaboration, Kyu HH, Pinho C, Wagner JA, Brown JC, Bertozzi-Villa A, Charlson FJ, Coffeng LE, Dandona L, Erskine HE, Ferrari AJ, Fitzmaurice C, Fleming TD, Forouzanfar MH, Graetz N, Guinovart C, Haagsma J, Higashi H, Kassebaum NJ, Larson HJ, Lim SS, Mokdad AH, Moradi-Lakeh M, Odell SV, Roth GA, Serina PT, Stanaway JD, Misganaw A, Whiteford HA, Wolock TM, Wulf Hanson S, Abd-Allah F, Abera SF, Abu-Raddad LJ, AlBuhairan FS, Amare AT, Antonio CA, Artaman A, Barker-Collo SL, Barrero LH, Benjet C, Bensenor IM, Bhutta ZA, Bikbov B, Brazinova A, Campos-Nonato I, Castañeda-Orjuela CA, Catalá-López F, Chowdhury R, Cooper C, Crump JA, Dandona R, Degenhardt L, Dellavalle RP, Dharmaratne SD, Faraon EJ, Feigin VL, Fürst T, Geleijnse JM, Gessner BD, Gibney KB, Goto A, Gunnell D, Hankey GJ, Hay RJ, Hornberger JC, Hosgood HD, Hu G, Jacobsen KH, **Jayaraman SP**, Jeemon P, Jonas JB, Karch A, Kim D, Kim S, Kokubo Y, Kuate Defo B, Kucuk Bicer B, Kumar GA, Larsson A, Leasher JL, Leung R, Li Y, Lipshultz SE, Lopez AD, Lotufo PA, Lunevicius R, Lyons RA, Majdan M, Malekzadeh R, Mashal T, Mason-Jones AJ, Melaku YA, Memish ZA, Mendoza W, Miller TR, Mock CN, Murray J, Nolte S, Oh IH, Olusanya BO, Ortblad KF, Park EK, Paternina Caicedo AJ, Patten SB, Patton GC, Pereira DM, Perico N, Piel FB, Polinder S, Popova S, Pourmalek F, Quistberg DA, Remuzzi G, Rodriguez A, Rojas-Rueda D, Rothenbacher D, Rothstein DH, Sanabria J, Santos IS, Schwebel DC, Sepanlou SG, Shaheen A, Shiri R, Shiue I, Skirbekk V, Sliwa K, Sreeramareddy CT, Stein DJ, Steiner TJ, Stovner LJ, Sykes BL, Tabb KM, Terkawi AS, Thomson AJ, Thorne-Lyman AL, Towbin JA, Ukwaja KN, Vasankari T, Venketasubramanian N, Vlassov VV, Vollset SE, Weiderpass E, Weintraub RG, Werdecker A, Wilkinson JD, Woldeyohannes SM, Wolfe CD, Yano Y, Yip P, Yonemoto N, Yoon SJ, Younis MZ, Yu C, El Sayed Zaki M, Naghavi M, Murray CJ, Vos T. Global and National Burden of Diseases and Injuries Among Children and Adolescents Between 1990 and 2013: Findings From the Global Burden of Disease 2013 Study. **JAMA Pediatr**. 2016 Mar; 170(3):267-87

31. Jiang Y, Resch S, Liu X, Rogers SO Jr, Askari R, Klompas M, **Jayaraman SP**. The Cost of Responding to an Acinetobacter Outbreak in Critically Ill Surgical Patients. *Surg Infect (Larchmt)*. 2016 Feb; 17(1):58-64

32. Haagsma JA, Graetz N, Bolliger I, Naghavi M, Higashi H, Mullany EC, Abera SF,

Abraham JP, Adofo K, Alsharif U, Ameh EA, Ammar W, Antonio CA, Barrero LH, Bekele T, Bose D, Brazinova A, Catalá-López F, Dandona L, Dandona R, Dargan PI, De Leo D, Degenhardt L, Derrett S, Dharmaratne SD, Driscoll TR, Duan L, Petrovich Ermakov S, Farzadfar F, Feigin VL, Franklin RC, Gabbe B, Gosselin RA, Hafezi-Nejad N, Hamadeh RR, Hajar M, Hu G, **Jayaraman SP**, Jiang G, Khader YS, Khan EA, Krishnaswami S, Kulkarni C, Lecky FE, Leung R, Lunevicius R, Lyons RA, Majdan M, Mason-Jones AJ, Matzopoulos R, Meaney PA, Mekonnen W, Miller TR, Mock CN, Norman RE, Orozco R, Polinder S, Pourmalek F, Rahimi-Movaghar V, Refaat A, Rojas-Rueda D, Roy N, Schwebel DC, Shaheen A, Shahrzad S, Skirbekk V, Søreide K, Soshnikov S, Stein DJ, Sykes BL, Tabb KM, Temesgen AM, Tenkorang EY, Theadom AM, Tran BX, Vasankari TJ, Vavilala MS, Vlassov VV, Woldeyohannes SM, Yip P, Yonemoto N, Younis MZ, Yu C, Murray CJ, Vos T. The global burden of injury: incidence, mortality, disability-adjusted life years and time trends from the Global Burden of Disease study 2013. *Inj Prev*. 2016 Feb; 22(1):3-18. PMID: [26635210](#)

33. Kim, Byiringiro, Ntakiyiruta, Kyamanywa, Irakiza, Mvukiyehe, Mutabazi, Vizir, Rogers Jr., Riviello, **Jayaraman S**, *Vital Statistics: Estimating the Burden of Injury in Kigali, Rwanda*, **World Journal of Surgery**, 2016 Jan;40(1):6-13.10.1007/s00268-015-3258-3

34. **Co-author**, GBD 2015 SDG Collaborators, *Measuring the health-related Sustainable Development Goals in 188 countries: a baseline analysis from the Global Burden of Disease Study 2015*, **Lancet**. 2016 Oct 8;388(10053):1813-1850. doi: 10.1016/S0140-6736(16)31467-2. Epub 2016 Sep 21.

35. **Co-author**, GBD 2015 Mortality and Causes of Death Collaborators, *Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015*, **Lancet**. 2016 Oct 8;388(10053):1459-1544. doi: 10.1016/S0140-6736(16)31012-1.

36. **Co-author**, *Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015*, **Lancet**. 2016 Oct 8; 388(10053):1659-1724. doi: 10.1016/S0140-6736(16)31679-8.

37. **Co-author**, GBD 2016 DALYs and HALE Collaborators, *Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016*, **Lancet**. 2017 Sep 16;390(10100):1260-1344. doi: 10.1016/S0140-6736(17)32130-X., PMID: 28919118

38. **Co-author**, GBD 2016 Disease and Injury Incidence and Prevalence Collaborators, *Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016*, **Lancet**. 2017 Sep 16;390(10100):1211-1259. doi: 10.1016/S0140-6736(17)32154-2., PMID: 28919117

39. **Co-author**, GBD 2016 Causes of Death Collaborators, *Global, regional, and*

national age-sex specific mortality for 264 causes of death, 1980-2016: a systematic analysis for the Global Burden of Disease Study 2016., **Lancet**. 2017 Sep 16;390 (10100):1151-1210. doi: 10.1016/S0140-6736(17)32152-9., PMID: 28919116

40. **Co-author**, GBD 2013 Risk Factors Collaborators, Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. **Lancet**. 2015 Dec 5;386(10010):2287-323. doi: 10.1016/S0140-6736(15)00128-2. Epub 2015 Sep 11. PMID: 26364544

41. Global Burden of Injuries Collaborators, Haagsma JA, Graetz N, Bolliger I, Naghavi M, Higashi H, Mullany EC, Abera SF, Abraham JP, Adofo K, Alsharif U, Ameh EA, Ammar W, Antonio CA, Barrero LH, Bekele T, Bose D, Brazinova A, Catalá-López F, Dandona L, Dandona R, Dargan P, De Leo D, Degenhardt L, Derrett S, Dharmaratne SD, Driscoll TR, Duan L, Petrovich Ermakov S, Farzadfar F, Feigin VL, Franklin RC, Gabbe B, Gosselin RA, Hafezi-Nejad N, Hamadeh RR, Hajar M, Hu G, **Jayaraman SP**, Jiang G, Khader YS, Khan EA, Krishnaswami S, Kulkarni C, Lecky FE, Leung R, Lunevicius R, Lyons RA, Majdan M, Mason-Jones AJ, Matzopoulos R, Meaney PA, Mekonnen W, Miller TR, Mock CN, Norman RE, Orozco R, Polinder S, Pourmalek F, Rahimi-Movaghar V, Refaat A, Rojas-Rueda D, Roy N, Schwebel DC, Shaheen A, Shahrzad S, Skirbekk V, Søreide K, Soshnikov S, Stein DJ, Sykes BL, Tabb KM, Temesgen AM, Tenkorang EY, Theadom AM, Tran BX, Vasankari TJ, Vavilala MS, Vlassov VV, Woldeyohannes SM, Yip P, Yonemoto N, Younis MZ, Yu C, Murray CJ, Vos T. The global burden of injury: incidence, mortality, disability-adjusted life years and time trends from the Global Burden of Disease study 2013. **Inj Prev**. 2016 Feb;22(1):3-18. doi: 10.1136/injuryprev-2015-041616. Epub 2015 Dec 3. PMID: 26635210 PMCID: PMC4752630 DOI: 10.1136/injuryprev-2015-041616

42. **Jayaraman S**, Mabweijano, Mijumbi, Stanich, Dobbins, Wolfe, Lipnick, Dicker, Ozgediz, *The Care of Injured Patients Admitted to Mulago Hospital in Kampala, Uganda*. **Emerg Med** (Los Angel) 5:270. doi: 10.4172/2165-7548.1000270

43. **Co-author**, GBD 2013 Mortality and Causes of Death Collaborators, [Global, regional, and national age-sex specific all-cause and cause-specific mortality for 240 causes of death, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013](#), **Lancet**. 2015 Jan 10;385(9963):117-71. PMID: 25530442

44. **Co-author**, GBD 2015 Disease and Injury Incidence and Prevalence Collaborators, *Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015*, **Lancet**. 2016 Oct 8;388(10053):1545-1602. doi: 10.1016/S0140-6736(16)31678-6.

45. Petroze, Byiringiro, **Jayaraman**, et al., *A systematic review of the impact of focused trauma education in low-resource settings*, **East and Central African Journal of Surgery**, Dec 2014, Vol. 19 (3).

46. **Jayaraman SP**, Askari R, Bascom M, Liu X, Rogers SO Jr, Klompas M. Differential impact of infection control strategies on rates of resistant hospital-acquired pathogens

in critically ill surgical patients. **Surg Infect (Larchmt)**. 2014 Dec; 15(6):726-32PMCID 25496277

47. **Jayaraman**, Klompas, Bascom, Liu, Piszcz, Rogers, Jr., Askari, *Hand Hygiene Compliance Does Not Predict Rates of Resistant Infections in Critically Ill Surgical Patients*, **Surgical Infection**, 2014 Oct;15(5):533-9. PMCID 25215463

48. **Jayaraman S**, Sethi DD, Wong, R. "Advanced life support training for ambulance crews," **Cochrane Database of Systematic Reviews**, 2014 Aug 21;8: CD003109. doi: 10.1002/14651858.CD003109.pub3, PMCID 25144654

49. **Jayaraman S**, Sethi D, Chinnock, P, Wong, R. "Advanced trauma life support training for hospital staff." **Cochrane Database of Systematic Reviews**, 2014 Aug 22;8: CD004173. doi: 10.1002/14651858.CD004173.pub4. PMCID: 25146524

50. **Co-author**, [US Burden of Disease Collaborators](#), *The state of US health, 1990-2010: burden of diseases, injuries, and risk factors*, **JAMA**. 2013 Aug 14;310(6):591-608. PMID: 23842577

51. Lipnick M, Mijumbi C, Dubowitz G, Kaggwa S, Goetz L, Mabweijano J, **Jayaraman S**, Kwizera A, Tindimwebwa J, Ozgediz D. Surgery and anesthesia capacity-building in resource-poor settings: description of an ongoing academic partnership in Uganda. **World J Surg**. 2013 Mar; 37(3):488-97

52. Global Burden of Disease Collaborators, Lozano R, Naghavi M, Foreman K, Lim S, Shibuya K, Aboyans V, Abraham J, Adair T, Aggarwal R, Ahn SY, Alvarado M, Anderson HR, Anderson LM, Andrews KG, Atkinson C, Baddour LM, Barker-Collo S, Bartels DH, Bell ML, Benjamin EJ, Bennett D, Bhalla K, Bikbov B, Bin Abdulhak A, Birbeck G, Blyth F, Bolliger I, Boufous S, Bucello C, Burch M, Burney P, Carapetis J, Chen H, Chou D, Chugh SS, Coffeng LE, Colan SD, Colquhoun S, Colson KE, Condon J, Connor MD, Cooper LT, Corriere M, Cortinovis M, de Vaccaro KC, Couser W, Cowie BC, Criqui MH, Cross M, Dabhadkar KC, Dahodwala N, De Leo D, Degenhardt L, Delossantos A, Denenberg J, Des Jarlais DC, Dharmaratne SD, Dorsey ER, Driscoll T, Duber H, Ebel B, Erwin PJ, Espindola P, Ezzati M, Feigin V, Flaxman AD, Forouzanfar MH, Fowkes FG, Franklin R, Fransen M, Freeman MK, Gabriel SE, Gakidou E, Gaspari F, Gillum RF, Gonzalez-Medina D, Halasa YA, Haring D, Harrison JE, Havmoeller R, Hay RJ, Hoen B, Hotez PJ, Hoy D, Jacobsen KH, James SL, Jasrasaria R, **Jayaraman S**, Johns N, Karthikeyan G, Kassebaum N, Keren A, Khoo JP, Knowlton LM, Kobusingye O, Koranteng A, Krishnamurthi R, Lipnick M, Lipshultz SE, Ohno SL, Mabweijano J, MacIntyre MF, Mallinger L, March L, Marks GB, Marks R, Matsumori A, Matzopoulos R, Mayosi BM, McAnulty JH, McDermott MM, McGrath J, Mensah GA, Merriman TR, Michaud C, Miller M, Miller TR, Mock C, Mocumbi AO, Mokdad AA, Moran A, Mulholland K, Nair MN, Naldi L, Narayan KM, Nasser K, Norman P, O'Donnell M, Omer SB, Ortblad K, Osborne R, Ozgediz D, Pahari B, Pandian JD, Rivero AP, Padilla RP, Perez-Ruiz F, Perico N, Phillips D, Pierce K, Pope CA 3rd, Porrini E, Pourmalek F, Raju M, Ranganathan D, Rehm JT, Rein DB, Remuzzi G, Rivara FP, Roberts T, De León FR, Rosenfeld LC, Rushton L, Sacco RL, Salomon JA, Sampson U, Sanman E, Schwebel DC, Segui-Gomez M, Shepard DS, Singh D, Singleton J, Sliwa K, Smith E, Steer A, Taylor JA, Thomas B, Tleyjeh IM, Towbin JA, Truelsen T, Undurraga EA,

Venketasubramanian N, Vijayakumar L, Vos T, Wagner GR, Wang M, Wang W, Watt K, Weinstock MA, Weintraub R, Wilkinson JD, Woolf AD, Wulf S, Yeh PH, Yip P, Zabetian A, Zheng ZJ, Lopez AD, Murray CJ, AlMazroa MA, Memish ZA. Global and regional mortality from 235 causes of death for 20 age groups in 1990 and 2010: a systematic analysis for the Global Burden of Disease Study 2010. **Lancet**. 2012 Dec 15;380(9859):2095-128. doi: 10.1016/S0140-6736(12)61728-0. PMID:23245604

53. Murray CJ, Vos T, Lozano R, Naghavi M, Flaxman AD, Michaud C, Ezzati M, Shibuya K, Salomon JA, Abdalla S, Aboyans V, Abraham J, Ackerman I, Aggarwal R, Ahn SY, Ali MK, Alvarado M, Anderson HR, Anderson LM, Andrews KG, Atkinson C, Baddour LM, Bahalim AN, Barker-Collo S, Barrero LH, Bartels DH, Basáñez MG, Baxter A, Bell ML, Benjamin EJ, Bennett D, Bernabé E, Bhalla K, Bhandari B, Bikbov B, Bin Abdulhak A, Birbeck G, Black JA, Blencowe H, Blore JD, Blyth F, Bolliger I, Bonaventure A, Boufous S, Bourne R, Boussinesq M, Braithwaite T, Brayne C, Bridgett L, Brooker S, Brooks P, Brugha TS, Bryan-Hancock C, Bucello C, Buchbinder R, Buckle G, Budke CM, Burch M, Burney P, Burstein R, Calabria B, Campbell B, Canter CE, Carabin H, Carapetis J, Carmona L, Cella C, Charlson F, Chen H, Cheng AT, Chou D, Chugh SS, Coffeng LE, Colan SD, Colquhoun S, Colson KE, Condon J, Connor MD, Cooper LT, Corriere M, Cortinovis M, de Vaccaro KC, Couser W, Cowie BC, Criqui MH, Cross M, Dabhadkar KC, Dahiya M, Dahodwala N, Damsere-Derry J, Danaei G, Davis A, De Leo D, Degenhardt L, Dellavalle R, Delossantos A, Denenberg J, Derrett S, Des Jarlais DC, Dharmaratne SD, Dherani M, Diaz-Torne C, Dolk H, Dorsey ER, Driscoll T, Duber H, Ebel B, Edmond K, Elbaz A, Ali SE, Erskine H, Erwin PJ, Espindola P, Ewoigbokhan SE, Farzadfar F, Feigin V, Felson DT, Ferrari A, Ferri CP, Fèvre EM, Finucane MM, Flaxman S, Flood L, Foreman K, Forouzanfar MH, Fowkes FG, Fransen M, Freeman MK, Gabbe BJ, Gabriel SE, Gakidou E, Ganatra HA, Garcia B, Gaspari F, Gillum RF, Gmel G, Gonzalez-Medina D, Gosselin R, Grainger R, Grant B, Groeger J, Guillemin F, Gunnell D, Gupta R, Haagsma J, Hagan H, Halasa YA, Hall W, Haring D, Haro JM, Harrison JE, Havmoeller R, Hay RJ, Higashi H, Hill C, Hoen B, Hoffman H, Hotez PJ, Hoy D, Huang JJ, Ibeanusi SE, Jacobsen KH, James SL, Jarvis D, Jasrasaria R, **Jayaraman S**, Johns N, Jonas JB, Karthikeyan G, Kassebaum N, Kawakami N, Keren A, Khoo JP, King CH, Knowlton LM, Kobusingye O, Koranteng A, Krishnamurthi R, Laden F, Lalloo R, Laslett LL, Lathlean T, Leasher JL, Lee YY, Leigh J, Levinson D, Lim SS, Limb E, Lin JK, Lipnick M, Lipshultz SE, Liu W, Loane M, Ohno SL, Lyons R, Mabweijano J, MacIntyre MF, Malekzadeh R, Mallinger L, Manivannan S, Marcenes W, March L, Margolis DJ, Marks GB, Marks R, Matsumori A, Matzopoulos R, Mayosi BM, McAnulty JH, McDermott MM, McGill N, McGrath J, Medina-Mora ME, Meltzer M, Mensah GA, Merriman TR, Meyer AC, Miglioli V, Miller M, Miller TR, Mitchell PB, Mock C, Mocumbi AO, Moffitt TE, Mokdad AA, Monasta L, Montico M, Moradi-Lakeh M, Moran A, Morawska L, Mori R, Murdoch ME, Mwaniki MK, Naidoo K, Nair MN, Naldi L, Narayan KM, Nelson PK, Nelson RG, Nevitt MC, Newton CR, Nolte S, Norman P, Norman R, O'Donnell M, O'Hanlon S, Olives C, Omer SB, Ortblad K, Osborne R, Ozgediz D, Page A, Pahari B, Pandian JD, Rivero AP, Patten SB, Pearce N, Padilla RP, Perez-Ruiz F, Perico N, Pesudovs K, Phillips D, Phillips MR, Pierce K, Pion S, Polanczyk GV, Polinder S, Pope CA 3rd, Popova S, Porrini E, Pourmalek F, Prince M, Pullan RL, Ramaiah KD, Ranganathan D, Razavi H, Regan M, Rehm JT, Rein DB, Remuzzi G, Richardson K, Rivara FP, Roberts T, Robinson C, De Leòn FR, Ronfani L, Room R, Rosenfeld LC, Rushton L, Sacco RL, Saha S, Sampson U, Sanchez-Riera L,

Sanman E, Schwebel DC, Scott JG, Segui-Gomez M, Shahrz S, Shepard DS, Shin H, Shivakoti R, Singh D, Singh GM, Singh JA, Singleton J, Sleet DA, Sliwa K, Smith E, Smith JL, Stapelberg NJ, Steer A, Steiner T, Stolk WA, Stovner LJ, Sudfeld C, Syed S, Tamburlini G, Tavakkoli M, Taylor HR, Taylor JA, Taylor WJ, Thomas B, Thomson WM, Thurston GD, Tleyjeh IM, Tonelli M, Towbin JA, Truelsen T, Tsilimbaris MK, Ubeda C, Undurraga EA, van der Werf MJ, van Os J, Vavilala MS, Venketasubramanian N, Wang M, Wang W, Watt K, Weatherall DJ, Weinstock MA, Weintraub R, Weisskopf MG, Weissman MM, White RA, Whiteford H, Wiebe N, Wiersma ST, Wilkinson JD, Williams HC, Williams SR, Witt E, Wolfe F, Woolf AD, Wulf S, Yeh PH, Zaidi AK, Zheng ZJ, Zonies D, Lopez AD, AlMazroa MA, Memish ZA Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet*. 2012 Dec 15;380(9859):2197-223. doi: 10.1016/S0140-6736(12)61689-4. PMID: 23245608

54. Vos T, Flaxman AD, Naghavi M, Lozano R, Michaud C, Ezzati M, Shibuya K, Salomon JA, Abdalla S, Aboyans V, Abraham J, Ackerman I, Aggarwal R, Ahn SY, Ali MK, Alvarado M, Anderson HR, Anderson LM, Andrews KG, Atkinson C, Baddour LM, Bahalim AN, Barker-Collo S, Barrero LH, Bartels DH, Basáñez MG, Baxter A, Bell ML, Benjamin EJ, Bennett D, Bernabé E, Bhalla K, Bhandari B, Bikbov B, Bin Abdulhak A, Birbeck G, Black JA, Blencowe H, Blore JD, Blyth F, Bolliger I, Bonaventure A, Boufous S, Bourne R, Boussinesq M, Braithwaite T, Brayne C, Bridgett L, Brooker S, Brooks P, Brugha TS, Bryan-Hancock C, Bucello C, Buchbinder R, Buckle G, Budke CM, Burch M, Burney P, Burstein R, Calabria B, Campbell B, Canter CE, Carabin H, Carapetis J, Carmona L, Cella C, Charlson F, Chen H, Cheng AT, Chou D, Chugh SS, Coffeng LE, Colan SD, Colquhoun S, Colson KE, Condon J, Connor MD, Cooper LT, Corriere M, Cortinovis M, de Vaccaro KC, Couser W, Cowie BC, Criqui MH, Cross M, Dabhadkar KC, Dahiya M, Dahodwala N, Damsere-Derry J, Danaei G, Davis A, De Leo D, Degenhardt L, Dellavalle R, Delossantos A, Denenberg J, Derrett S, Des Jarlais DC, Dharmaratne SD, Dherani M, Diaz-Torne C, Dolk H, Dorsey ER, Driscoll T, Duber H, Ebel B, Edmond K, Elbaz A, Ali SE, Erskine H, Erwin PJ, Espindola P, Ewoigbokhan SE, Farzadfar F, Feigin V, Felson DT, Ferrari A, Ferri CP, Fèvre EM, Finucane MM, Flaxman S, Flood L, Foreman K, Forouzanfar MH, Fowkes FG, Franklin R, Fransen M, Freeman MK, Gabbe BJ, Gabriel SE, Gakidou E, Ganatra HA, Garcia B, Gaspari F, Gillum RF, Gmel G, Gosselin R, Grainger R, Groeger J, Guillemin F, Gunnell D, Gupta R, Haagsma J, Hagan H, Halasa YA, Hall W, Haring D, Haro JM, Harrison JE, Havmoeller R, Hay RJ, Higashi H, Hill C, Hoen B, Hoffman H, Hotez PJ, Hoy D, Huang JJ, Ibeanusi SE, Jacobsen KH, James SL, Jarvis D, Jasrasaria R, **Jayaraman S**, Johns N, Jonas JB, Karthikeyan G, Kassebaum N, Kawakami N, Keren A, Khoo JP, King CH, Knowlton LM, Kobusingye O, Koranteng A, Krishnamurthi R, Lalloo R, Laslett LL, Lathlean T, Leasher JL, Lee YY, Leigh J, Lim SS, Limb E, Lin JK, Lipnick M, Lipshultz SE, Liu W, Loane M, Ohno SL, Lyons R, Ma J, Mabweijano J, MacIntyre MF, Malekzadeh R, Mallinger L, Manivannan S, Marcenes W, March L, Margolis DJ, Marks GB, Marks R, Matsumori A, Matzopoulos R, Mayosi BM, McAnulty JH, McDermott MM, McGill N, McGrath J, Medina-Mora ME, Meltzer M, Mensah GA, Merriman TR, Meyer AC, Miglioli V, Miller M, Miller TR, Mitchell PB, Mocumbi AO, Moffitt TE, Mokdad AA, Monasta L, Montico M, Moradi-Lakeh M, Moran A, Morawska L, Mori R, Murdoch ME, Mwaniki MK, Naidoo K, Nair MN, Naldi L, Narayan KM, Nelson PK, Nelson RG, Nevitt MC, Newton CR, Nolte S, Norman P, Norman R,

O'Donnell M, O'Hanlon S, Olives C, Omer SB, Ortblad K, Osborne R, Ozgediz D, Page A, Pahari B, Pandian JD, Rivero AP, Patten SB, Pearce N, Padilla RP, Perez-Ruiz F, Perico N, Pesudovs K, Phillips D, Phillips MR, Pierce K, Pion S, Polanczyk GV, Polinder S, Pope CA 3rd, Popova S, Porrini E, Pourmalek F, Prince M, Pullan RL, Ramaiah KD, Ranganathan D, Razavi H, Regan M, Rehm JT, Rein DB, Remuzzi G, Richardson K, Rivara FP, Roberts T, Robinson C, De Leòn FR, Ronfani L, Room R, Rosenfeld LC, Rushton L, Sacco RL, Saha S, Sampson U, Sanchez-Riera L, Sanman E, Schwebel DC, Scott JG, Segui-Gomez M, Shahraz S, Shepard DS, Shin H, Shivakoti R, Singh D, Singh GM, Singh JA, Singleton J, Sleet DA, Sliwa K, Smith E, Smith JL, Stapelberg NJ, Steer A, Steiner T, Stolk WA, Stovner LJ, Sudfeld C, Syed S, Tamburlini G, Tavakkoli M, Taylor HR, Taylor JA, Taylor WJ, Thomas B, Thomson WM, Thurston GD, Tleyjeh IM, Tonelli M, Towbin JA, Truelsen T, Tsilimbaris MK, Ubeda C, Undurraga EA, van der Werf MJ, van Os J, Vavilala MS, Venketasubramanian N, Wang M, Wang W, Watt K, Weatherall DJ, Weinstock MA, Weintraub R, Weisskopf MG, Weissman MM, White RA, Whiteford H, Wiersma ST, Wilkinson JD, Williams HC, Williams SR, Witt E, Wolfe F, Woolf AD, Wulf S, Yeh PH, Zaidi AK, Zheng ZJ, Zonies D, Lopez AD, Murray CJ, AlMazroa MA, Memish ZA. Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. **Lancet**. 2012 Dec 15;380(9859):2163-96. doi: 10.1016/S0140-6736(12)61729-2. PMID: 23245607

55. Fualal, Moses, **Jayaraman**, Ozgediz, Nalugo, Gosnell, Duh, and Kebebew, *Characterizing thyroid disease and identifying barriers to care and treatment in Uganda*, **World Journal of Endocrine Surgery**, 2012;4(2):47-53.

56. **Jayaraman**, Richardson, Conrad, Eichler, Schecter, *Mycotic pseudoaneurysms due to Injection Drug Use: a 10 year experience*, Annals of Vascular Surgery, **Ann Vasc Surg** 2012; 26: 819–824. PMID: 22534261

57. **Jayaraman**, Ozgediz, Miyamoto, Caldwell, Lipnick, Mijumbi, Mabweijano, Hsia, Dicker, *Disparities in Injury Mortality in Uganda and the United States*, **World Journal of Surgery**, 2011 Mar;35(3):505-11. PMID: 21181159

58. Hsia, Ozgediz, **Jayaraman**, Kyamanywa, Mutto, Kobusingye, *Epidemiology of Child injuries in Uganda: Challenges for health policy*, **Journal of Public Health in Africa**, 2011; 2(1): 63-67.

59. Luboga, Galukande, Mabweijano, Ozgediz, **Jayaraman**, "Key Aspects of Health Policy Development to Improve Access to Surgical Services in Uganda," **World Journal of Surgery**, 2010 Nov; 34(11):2511-7. PMID: 20730430

60. Hsia, Ozgediz, Mutto, **Jayaraman**, Kyamanywa, Kobusingye, "Epidemiology of Injuries Presenting to the National Hospital in Kampala, Uganda: Implications for Research and Policy," **International Journal of Emergency Medicine**, 2010 Jul 20;3(3):165-72. PMID: 21031040

61. McQueen, Sullivan, Ozgediz, Rivello, Hsia, **Jayaraman**, Meara, Surgery: An integral part of the human right to the "highest attainable standard of health," **Health and Human Rights**, 2010 Jun 15; 12(1):137-52. PMID: 20930260

62. Guerreiro, Cairns, **Jayaraman**, Roberts, Perel, Shakur, *Giving tranexamic acid to reduce surgical bleeding in Sub-Saharan Africa: an economic evaluation*, **Cost Effectiveness and Resource Allocation**, 2010 Feb 17; 8(1):1. PMID: 20163726
63. **Jayaraman**, Chalabi, Perel, Guerreiro, Roberts, " *The Risk of Transfusion Transmitted Infections in sub-Saharan Africa*," **Transfusion**, Feb 2010, 50(2):433-442. PMID: 19843290
64. **Jayaraman S**, Sethi DD, Kwan I, Kelly A-M. " *Advanced life support training for ambulance crews*," **Cochrane Database of Systematic Reviews**, 2010 Jan 20;(1): CD003109. Review. PMID: 20091538
65. Swahn, Bossarte, Elimam, Gaylor, **Jayaraman**, *Prevalence and Correlates of Suicidal Ideation and Physical Fighting: A Comparison between Students in Botswana, Kenya, Uganda, Zambia and the USA*, **International Public Health Journal** 2010; 2 (2):195-205.
66. Luboga, MacFarlane, von Schreeb, et al., " *Increasing access to surgical services in sub-Saharan Africa: Priorities for national and international agencies recommended by the Bellagio Essential Surgery Group*," **PLoS Med.**, 2009 Dec;6(12):e1000200. doi: 10.1371/journal.pmed.1000200. Epub 2009 Dec 22. PMID: 20027218
67. **Jayaraman**, Mabweijano, Lipnick, Caldwell, Miyamoto, Wangoda, Mijumbi, Dicker, Hsia, Ozgediz, " *Pre-hospital Trauma Care in Kampala, Uganda: Current Patterns and the Feasibility and Effectiveness of a Lay-First Responder Training Program*," **World Journal of Surgery**, 2009 Dec;33(12):2512-21. doi: 10.1007/s00268-009-0180-6. PMID: 19669228
68. **Jayaraman**, Mabweijano, Lipnick, Caldwell, Miyamoto, Wangoda, Mijumbi, Hsia, Dicker, Ozgediz, " *First things first: Effectiveness and Scalability of a Basic Prehospital Trauma Care Program for Lay First-Responders in Kampala, Uganda*," **PLoS ONE**, 4 (9): e6995, Sept 2009. PMID: 19759831
69. **Jayaraman**, Ayzengart, Goetz, Ozgediz, Farmer, " *Global Health in General Surgery Residency: A National Survey*," **JACS**, 2009 Mar, 208(3):426-33. PMID: 19318005
70. **Jayaraman S**, Sethi D. " *Advanced trauma life support training for hospital staff*," **Cochrane Database of Systematic Reviews** 2009, PMID: 19370594
71. Ozgediz, Wang, **Jayaraman**, Ayzengart, Jamshidi, Lipnick, Mabweijano, Kaggwa, Knudson, Schechter, Farmer, " *Surgical training and global health: initial results of a 5-year partnership with a surgical training program in a low-income country*," **Archives of Surgery** 2008, Sept; 143(9): 860-5. PMID: 18794423
72. Perrone J, DeRoos F, **Jayaraman S**, Hollander JE., " *Drug Screening Versus History in Detection of Substance Abuse in ED Psychiatric Patients*," **American Journal of Emergency Medicine**, Jan 2001; 19(1):49-51 PMID: 11146019
73. Perrone J, **Jayaraman S**, De Roos F, Hornig S, Hollander JE., " *Substance Abuse in*

ED Psychiatric patients: Drug Screening Alone Is Not Enough," Academic Emergency Medicine. 1999; Vol 6:547. PMID: 11146019

Editorials, Reviews, Commentaries, Proceedings, Invited Published Papers in Peer Reviewed Journals

1. DeAntonio JH, Nguyen T, Chenault G, Aboutanos MB, Anand RJ, Ferrada P, Goldberg S, Leichtle SW, Procter LD, Rodas EB, Rossi AP, Whelan JF, Feeser VR, Vitto MJ, Broering B, Hobgood S, Mangino M, Wijesinghe DS, **Jayaraman S**. Medications and patient safety in the trauma setting: a systematic review. *World J Emerg Surg.* 2019; 14:5. PMID: [30815027](#)
2. **Jayaraman**, Vermund, *Trauma research-A field without a home base*, [Science Translational Medicine](#). 2015 Aug 26;7(302):302ed11. doi: 10.1126/scitranslmed.aab3210.
3. **Jayaraman S**, Sethi D, Chinnock P, Wong R. Advanced trauma life support training for hospital staff. *Cochrane Database Syst Rev.* 2014 Aug 22(8):CD004173
4. **Jayaraman S**, Sethi D, Wong R. Advanced training in trauma life support for ambulance crews. *Cochrane Database Syst Rev.* 2014 Aug 21(8):CD003109
5. Chu KM, **Jayaraman S**, Kyamanywa P, Ntakiyiruta G (2014) *Building Research Capacity in Africa: Equity and Global Health Collaborations*, Editorial, [PLoS Med](#). 2014 Mar 11;11(3):e1001612. doi: 10.1371/journal.pmed.1001612. eCollection 2014. PMID: 24618823

Books, Book Chapters and Monographs

1. Book Chapter: DeAntonio, Means, **Jayaraman**, Brophy, Management of TBI in the Face of Antithrombotic Medication Therapy in Controversies in Severe Traumatic Brain Injury Management, Editor: Timmons, Springer Publishing, 2018
2. Book Chapter: Rodas, **Jayaraman**, et al, Trauma System Development in the Latin American Region in Panamerican Trauma Society's Trauma, Emergency Surgery and Critical Care, 2018
3. Book Chapter: Renal Replacement Therapy, Chapter 32 in Geriatric Trauma and Critical Care eds. Yelon JA, Luchette FA, Springer Publishing, 2014.
4. Final Report, Conference on Increasing Access to Surgical Services in Resource-Constrained Settings in Sub-Saharan Africa, Bellagio Essential Surgery Group, Kampala, Uganda, July 2009.
5. Background Paper for Session on Strategies to Strengthen the Delivery of Trauma Care with a Case Study from Uganda, Conference on Increasing Access to Surgical Services in Resource-Constrained Settings in Sub-Saharan Africa, Bellagio Essential Surgery Group, Kampala, Uganda, July 2009.
6. Background Paper for Session on Strategies to Increase Surgical Workforce, Conference on Increasing Access to Surgical Services in Resource-Constrained Settings

in Sub-Saharan Africa, Bellagio Essential Surgery Group, Kampala, Uganda, July 2009.

Other Publications

1. Lee, N., Tang, D., & **Jayaraman, S.** (2015). *Penetrating cardiac trauma and the use of emergent extracorporeal membrane oxygenation and therapeutic hypothermia: When cooler heads prevail. Trauma Case Reports*, 1(9), 95-98.
2. **Jayaraman**, Riviello, Aboutanos, Letter to the Editor: "*Global Surgery - parallels with Surgical Research and Innovation*", *Surgery* 2013 Sep;154(3):645-6. PMID: 23790728
3. Ozgediz D, Mabweijano J, Mijumbi C, Jayaraman S, Lipnick M. Improving surgery service delivery in context. *Lancet*. 2010 Nov 27;376(9755):1826-7. doi: 10.1016/S0140-6736(10)62167-8.
4. Ozgediz, Mijumbi, **Jayaraman**, Dubowitz, Mabweijano, Galukande, Luboga, *Letter to the Editor/Reply, World Journal of Surgery* 2009, Vol. 33, No. 1., pp. 152-153.
5. Naik, Rains, Siguencia, Mosquera, Morocho, Aboutanos, Rodas, Salamea, **Jayaraman**, *Training and Protocols: A Knowledge, Attitudes and Practices Study of Emergency Communication in Cuenca, Ecuador*, under revision (in progress)
6. Rosenberg*, Nyinawankusi*, Habibirwe, Dworkin, Nsengimana, Putman, Kankindi, Niyonsaba, Uwitonze, Kabagema, Dushime, **Jayaraman**, *Prehospital Emergency Obstetric Care by SAMU in Kigali, Rwanda* (in progress)
7. Rosenberg*, Uwinshuti*, Dworkin, Nsengimana, Kankindi, Niyonsaba, Uwitonze, Kabagema, Dushime, **Jayaraman**, Krebs, *Motorcycle Taxi Crashes Treated by SAMU, Rwanda's Prehospital Ambulance Service* (in progress)
8. Rosenberg*, Mukagasasira*, Turikumana, Dworkin, Nsengimana, Kankindi, Niyonsaba, Nkeshimana, Uwitonze, Kabagema, Dushime, **Jayaraman**, *NCD Emergencies and the Need for Prehospital Care: Experience from Kigali, Rwanda* (in progress)
9. Asay*, Kabagema*, Uwitonze, Louka, Wolfe, Valukas, Rosenberg, Dushime, **Jayaraman**, *Developing Sustainable Prehospital Trauma Care in Rwanda - A Collaboration between SAMU, Ministry of Health of Rwanda and Virginia Commonwealth University* (in progress)
10. Rosenberg*, Asay*, Williams, Uwitonze, Kabagema, Baghdassarian, Umuhoza, Wolfe, Dushime, **Jayaraman**, *Prehospital Training on Pediatric Care for Prehospital Education in Rwanda - A Collaboration between SAMU, Ministry of Health of Rwanda and Virginia Commonwealth University* (in progress)
11. Rosenberg*, Asay*, Williams, Wolfe, Ritter, Ntirushwa, Ndikuryayo, Uwitonze, Kabagema, Dushime, **Jayaraman**, *Prehospital Training on Obstetric and Neonatal Issues for Prehospital Education in Rwanda - A Collaboration between SAMU, Ministry*

of Health of Rwanda and Virginia Commonwealth University (in progress)

12. Asay*, Uwitonze*, Rosenberg, Kabagema, Louka, Wolfe, Valukas, Dushime, **Jayaraman**, *Developing Sustainable Prehospital Care for NCD Emergencies in Rwanda through training courses- A Collaboration between SAMU, Ministry of Health of Rwanda and Virginia Commonwealth University (in progress)*

13. Nsengimana*, Dworkin*, Rosenberg, Scott, Rivello, Byiringiro, Uwitonze, Kabagema, Dushime, **Jayaraman**, *Prehospital Epidemiology, Management and Outcomes of Injured Children in Kigali, Rwanda (in progress)*

14. Rosenberg, Bagahirwa, Mbanjyucyo; Nkeshimana, Nyinawankusi, Krebs, Uwitonze, Kabagema, Dushime, Ntirenganya, **Jayaraman**, on behalf of participants for the first national Rwanda Trauma Symposium 2019 in Kigali, Rwanda, *First Rwanda National Trauma Symposium 2019: Challenges and Priorities (in progress)*

15. Kabagema*, Asay*, Uwitonze, Williams, Louka, Louka, Laverne, Rosenberg, Wolfe, Nyinawankusi, Patrick Ndimubanzi, Dushime, **Jayaraman**, *Clinical Capacity Building for Prehospital Staff: Rotary-VCU-Rwanda Experience (in progress)*

16. Rosenberg, Kabagema, Nkeshimana, Uwitonze, Dushime, Ntirenganya, **Jayaraman**, *Surgical Collaboration as an Example of Horizontal Capacity Building: VCU-Rwanda Experience (in progress)*

17. Rosenberg, Uwitonze, Kabagema, Nyinawankusi, Uwitonze, Turikumana, Mukagasasira, Habihirwe, Nyirandegeya, Uwamahoro, Mukeshimana, Uwinshuti, Dworkin, Ndimubanzi, Dushime, **Jayaraman**, *Research and QI Capacity Building for Prehospital Staff: VCU-Rwanda Experience (in progress)*

Scholarly Work Published in other Media

Peer Reviewed

Jayaraman, Ozgediz, Goetz, Ayzengart, *Surgery and Global Health*, Online Educational Module, Global Health Education Consortium, January 2008. 01/2008

Personal Statement

I am honored to have the opportunity to apply for promotion to Professor of Surgery at VCU. Below I have outlined the capacities in which I have represented VCU as well as the Department of Surgery locally, regionally, nationally and internationally as they pertain to the Guidelines established by the Promotion and Tenure process at VCU.

Service

I have been enormously productive clinically and have been privileged to receive numerous accolades from patients, staff and colleagues for the care that I provide at the bedside. Locally, I have served on multiple committees for the hospital and the School of Medicine and through my leadership of the Focused Surgical Checklist Committee, we completely revamped and implemented a Surgical Checklist that

fostered a culture of collaboration and mutual respect in the operating room and that has dramatically standardized and improved the care we provide as measured by JCAHO standards and which was reported to JCAHO. In 2015 I received the VCU Shining Knight award for my care of one particular trauma patient who was selected as an emblem of the care that our system provides. Recently, I received the Arnold P Gold Foundation Leonard Tow Humanism in Medicine Award (2019) which is presented to one faculty member in the School of Medicine annually for demonstrating clinical excellence and outstanding compassion in the delivery of care and who show respect for patients, their families, and healthcare colleagues. Regionally, Governor McAuliffe appointed me to the State Advisory Board for EMS for a four year term based on my experience in trauma and EMS and I am one of two trauma surgeons in the State of Virginia on the Board. I have been reappointed by Governor Ralph Northam for a three-year term that I am now serving. I am also the only Course Director for the ACS Rural Trauma Team Development Course in Central Virginia and have taught at local referring hospitals to support their emergency staff. Nationally, I was recently co-Chair of the Global Affairs Committee at the Association for Academic Surgery and a member of the Executive Council. I have represented VCU at the Lancet Commission for Non-communicable Diseases and Injuries Meeting in Kigali, Rwanda in 2016, Launch of Special Issue of *The Lancet* on the Global Burden of Disease 2015 in Washington DC (2016) and as a panelist alongside Lancet Editor Richard Horton at the Consortium of Universities for Global Health 2017 Conference. I recently helped organized and conduct the First Rwanda National Trauma Symposium in Feb 2019 as well as the Virginia Global Surgery Symposium in Mar 2019 which was a sold-out conference of 250 attendees from around the US as well as multiple countries around the world.

Scholarship

I have contributed to 69 peer reviewed publications and 8 non-peer reviewed publications including book chapters in my career thus far. I have co-authored 49 of them since joining VCU in 2013 including several with the Global Burden of Disease group that have been published in *The Lancet*, *JAMA* and other prestigious journals. I currently have an h-index of 33 on Google Scholar. I have 13 more publications that are in the process of being submitted. Furthermore, I have received over \$1 million in research funding from intramural and extramural sources. This includes funding from the NIH Fogarty International Center (R21, PI), NIH National Cancer Institute (P20, Co-I/Injury Project Lead) and the Rotary Foundation Global Grant for my work in Rwanda, as well as, support from VCU's Center for Clinical and Translational Research, the Commonwealth Center for Advanced Logistics Systems and VCU Innovation Gateway, Commercialization Grant to conduct primary research in developing novel assays to detect plasma medications in acutely injured trauma population. I was also selected for the Clinical Faculty Scholars fellowship at VCU as the first and only faculty member from the VCU Dept of Surgery to receive this fellowship through a P60 NIH grant (PI: Strauss) and have been a Co-Investigator on a DOD grant (PI: Mangino) to spur development of a novel resuscitation fluid. I recently submitted a \$1.5million AHRQ R18 grant on my translational work and have submitted a provisional patent to the US Patent and Trademark Office for intellectual property which was converted to a non-provisional utility patent in 2019.

Education

I have 42 mentored students and residents from VCU and other institutions domestically and abroad since starting at VCU in 2013. Six VCU medical students received Dean's Summer Research awards to work with me on projects in Rwanda and Ecuador. In addition, they have presented at the American Public Health Association conference (APHA), the Annual meeting of the College of Surgeons of East, Central and Southern Africa, the PanAmerican Trauma Society International Tele-conferences, the Bethune Round Table in Canada, the Panamerican Trauma Society (PTS) annual conference, African Federation Congress on Emergency Medicine, the World Federation of Societies of Anesthesia and Rwanda Anesthesia Society as well as the American College of Surgeons. Through my support, two VCU med students have been accepted for MPH programs (at Hopkins and Harvard), two have received Fogarty fellowships through the NIH and a Medicine resident has received a Fulbright award. Since joining VCU, I have given 54 presentations to students, residents and faculty at VCU. I was nominated by several VCU medical students for the VCU Distinguished Mentor Award in 2016 for my tireless mentorship of their careers and the ACS/Pfizer Surgical Volunteerism and Humanitarian Awards in 2018. I was also nominated by fellow faculty for the VCU Educational Innovation/Educational Research Award in 2018, one of the top four School of Medicine Teaching Awards based on my work in creating and implementing the Program for Global Surgery at VCU. I was invited to give the keynote at the VCU Student Honors Day and Student Clinical Ceremony in Apr 2019 on "How to be a humanistic physician." This is aside from daily bedside teaching during ~26 weeks on the Trauma, AGS and ICU services every year as well as in clinic and while on overnight call in house. Nationally, I have taught every year at the first course on global surgery at the ACS Clinical Congress since its inception three years ago and have been asked by the ACS to develop the written manual for that course. I have discussed and/or reviewed abstracts for the Surgical Forum at the ACS Clinical Congress since 2015. I have been an Invited Speaker at the University of Texas San Antonio, Yale and Utah. Internationally, I have been Invited Professor at the University of Azuay in Ecuador as well as at the University Teaching Hospital in Kigali, Rwanda and developed and implemented four new EMS related Train-the-Trainers style courses in Rwanda to over 125 participants. I am in the process of copyrighting all four of these courses through the US Patent and Trademark Office. I have participated as an external examiner for both annual medical student exams for the surgery department and for the graduating Chief Residents in Surgery at the University Teaching Hospital in Kigali. I recently conducted Board Exams for the College of Surgeons of East, Central and Southern Africa (2018) at the Resident and Fellow levels and have been invited back to give the Exams in 2019. I have been selected to represent VCU as a Clinical Faculty Scholar at Oxford University's Harris Manchester College Summer Research Institute (2019).

During my career at VCU I have enjoyed the privilege of participating in the clinical and academic missions as a member of the faculty and look forward to continuing to serve the institution, colleagues and trainees in the future as a Professor of Surgery.

Other

UCSF Department of Surgery, Surgical Education Committee, Resident Representative,
7/2004 – 7/2007

UC Davis School of Medicine Admissions Policy Committee, Medical Student
Representative, 7/2003 – 7/2004
Worked with medical school faculty to review & modify the admissions procedures

Clinica Tepati, Sacramento, CA
Medical Student Co-Director and Member of Board of Directors, 5/2001 –5/2002,
Member, 9/2000 – 3/2004
The first student-run medical clinic in the US, established in 1974, Provided medical
care to indigent Latino patients in Sacramento, Wrote grants and organized fundraisers
to finance the clinic

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