**FRANK CAMILLO MESSINA**

**CURRICULUM VITAE**

**EDUCATION**

**POSTDOCTORAL** Residency

 Internal Medicine

 Thomas Jefferson University Hospital

 Philadelphia, PA

 1987-1990

 Fellowship

 General Internal Medicine/Primary Care Education/Clinical Research Methods

 Indiana University School of Medicine / Regenstrief Institute

 Indianapolis, IN

 1990-1993

**GRADUATE** M.D.

Mount Sinai School of Medicine of the City University of New York

(now the Icahn School of Medicine at Mount Sinai)

 New York, NY

 1983-1987

**UNDERGRADUATE** B.A. in Biology, Magna Cum Laude

 Columbia University

 New York, NY

 1979-1983

**CERTIFICATIONS**

|  |  |
| --- | --- |
| Basic Cardiac Life Support Provider | 1985-2014\* |
| Advanced Trauma Life Support Provider | 1992-2000\* |
| Advanced Cardiac Life Support Provider | 1992-2014\* |
| Advanced Cardiac Life Support Instructor | 1992-2014\* |

**APPOINTMENTS**

**ACADEMIC**

|  |  |
| --- | --- |
| Indiana University School of Medicine (IUSM), Indianapolis, IN  |  |
| * Lecturer at IUSM
 | 1990-1993 |
| * Clinical Assistant Professor of Medicine
 | 1994-1999 |
| * Associate Professor of Clinical Internal Medicine
 | 1999-2023 |
| * Associate Professor of Clinical Emergency Medicine
 | 2000-\* |

**HOSPITAL**

|  |  |
| --- | --- |
| University Hospital, Indianapolis, IN |  |
| * Staff Physician, Internal Medicine, Emergency Medicine
 | 1990-\* |
|  |  |
| Richard R. Roudebush VA Hospital, Indianapolis, IN |  |
| * Staff Physician, Internal Medicine, Emergency Medicine
 | 1990-2016\* |
|  |  |
| Eskenazi Hospital (formerly Wishard Memorial), Indianapolis, IN |  |
| * Physician, Primary Care
 | 1990-2000\* |
| * Staff Physician, Emergency Medicine, Internal Medicine
 | 1990-\* |
|  |  |
| Vienna General Hospital, University of Vienna Medical School, Vienna, Austria | 1993-1994 |
| * Guest Physician, Emergency Medicine
 |  |
|  |  |
| Clarian Health Partners, Indianapolis, IN |  |
| * Staff Physician, Emergency Medicine and Internal Medicine
 | 1998-2012\* |
|  |  |
| Indiana University Health (formerly Clarian), Indianapolis, IN |  |
| * Staff Physician, Emergency Medicine and Internal Medicine
 | 2012-\* |
|  |  |

**LICENSURE AND SPECIALTY BOARD STATUS**

|  |  |
| --- | --- |
| Pennsylvania State License, allowed to expire | 1987-1990 |
| Drug Enforcement Agency License, active | 1988-\* |
| National Board of Medical Examiners | 1988-\* |
| Indiana State License, active | 1990-\* |
| American Board of Internal Medicine | 1990 -\* |
| American Board of Emergency Medicine | 1999 -\* |

**PROFESSIONAL ORGANIZATION MEMBERSHIPS**

|  |  |
| --- | --- |
| American College of Physicians (ACP) | 1987-\* |
| Society of General Internal Medicine (SGIM) | 1990-1997 |
| American Academy of Emergency Medicine (AAEM) | 2001, ’16-17\* |
| Society of Academic Emergency Medicine (SAEM) | 2004-2020 |
| American College of Emergency Physicians (ACEP) | 2006-\* |
| * Indiana Chapter
 | 2008-\* |
| American College of Healthcare Executives (ACHE) | 2015- |
| American Association for Physician Leadership (AAPL) | 2015- |

 Indiana Medical Licensing Board, Member 2022-2024

 Federation of State Medical Boards, Fellow 2022-2024

**PROFESSIONAL HONORS AND AWARDS:**

**SERVICE**

|  |  |
| --- | --- |
| IU Board of Trustees Teaching Excellence Recognition Award* Highest award based on “sustained level of teaching excellence”
 | 1997 |
|  |  |
| IUSM Internal Medicine Resident’s Outstanding Faculty Educator of the Year | 1998 |
|  |  |
| IUSM Dept. of Emergency Medicine, Teaching Excellence Recognition Award | 2000\* |
|  |  |
| IUSM Dept. of Internal Medicine, Teaching Excellence Recognition Award | 2000\* |

|  |  |
| --- | --- |
| American College of Physicians, Fellow | 1998 |
|  |  |
| MedEdPORTAL of the American Association of Medical Colleges, Top 20 Reviewer (of 276) for “most comprehensive and highest quality reviews” | 2011\* |
|  |  |
| American College of Emergency Physicians, Fellow | 2012\* |

**SERVICE: OTHER PROFESSIONAL ACTIVITIES**

|  |  |
| --- | --- |
| Wishard Hospital Emergency Department, Physician Coordinator* Coordinated with correctional health services, transfers from outlying hospitals
* Liaised with Emergency Medical Service and nursing service and support for “Health Connections” (nurse triage service)
 | 1990-2000 |
|  |  |
| Wishard Employee Health, Executive Physical Program | 1990-2000\* |
| * Performed comprehensive histories and physicals for senior executives
 |  |
|  |  |
| International Atomic Energy Agency, Vienna, Austria, Consultant | 1993-1994 |
| United Nations, Vienna, Austria, ConsultantAMPATH (IUSM-Moi University) Secondary anchor attending, Eldoret, Kenya* Daily teaching on rounds and direct supervision of clinical care provided by residents and medical students
 | 1993-19941995 |
|  |  |
| Wishard Emergency Services, Medical Director | 1997-2003\* |
| * Educated medical staff on hazardous material preparedness
* Directed nurses, physicians and allied health professionals on hazardous material drills and responses
 |  |
|  |  |
| 90.1 WFYI Public Radio, Sound Medicine Co-Host | 2006-2007\* |
| * Prepared and delivered 12 community hour-long health education segments on weekly radio show now syndicated and available by podcast
 |  |
|  |  |

**PROFESSIONAL DEVELOPMENT**

|  |  |
| --- | --- |
| Clinical Teaching, Faculty Development Course, Stanford University  | 1992 |
|  |  |
| American College of Healthcare Executives* Completed Leadership Development Program
* Completed Critical Financial Skills for Hospital Success
* Completed Care Continuum From ER to Post Acute: Making the Argument
* Completed Physician Executive Forum

Kelley School of Business, Indiana University | 2016\*2017\*2017\*2017\* |
| * Completed Business of Medicine Leadership Program
* Completed Physician Leadership Course in Business Acumen
 | 2017\*2018-2019\* |
| American Case Management Association* Completed Physician Advisor Compass training
 | 2020 |

**SERVICE: TEACHING**

**SERVICE: TEACHING ASSIGNMENTS**

INDIANA UNIVERSITY SCHOOL OF MEDICINE

|  |  |  |
| --- | --- | --- |
| M 720 | Internal Medicine Ambulatory Rotation, Supervisor (weekly)Led conference and 4 ½ hrs clinical instruction for ~6 3rd year medical students weekly | 1994-2000\* |
|  |  |  |
| M 702 | Internal Medicine (26 weeks, 5 hrs/day)Supervised rotations in Primary Care Center and Wishard Emergency Service for 1-2 medical students | 1994-2000\* |
|  |  |  |
| M 702 | Internal Medicine Clerkship, Oral Examiner (bi-annual, 1-3 hrs) | 1994-2000\* |
|  |  |  |
| 93M1710 | Clinical Therapeutics, Course Director  | 1995-1997 |
|  | Also presented selected lectures to 75 medical students |  |
|  |  |  |
| X 600/3 | Medical Ethics Workshop, Facilitator (~12 1st year medical students) | 1995-2000\* |
|  | Facilitated discussion in annual Introduction to Medicine Course |  |
|  |  |  |
| ACLS | Practical Sessions, Preceptor (2 sessions each 2-4 hrs)  | 1998-2014\* |
|  | Annual training for medical students, interns, residents, fellows and nurses |  |
|  |  |  |
| 93M1710 | Clinical Therapeutics, Lecturer (annually, 1 hr) | 1998-2014\* |
|  | Taught Advanced Cardiac Life Support and Its Pharmacology for ~40 4th year medical students |  |
|  |  |  |
| 93M1710 | Clinical Therapeutics, Lecturer, (5 2-hr group learning sessions) | 2000-2014\* |
|  | Coordinated sessions on Advanced Cardiac Support for ~40 4th yr medical students |  |
|  |  |  |
| 93M1710 | Clinical Therapeutics, Lecturer (annually, 2-4 hrs) | 2015-2020 |
|  | Presented ACLS lecture to 10-12 4th year medical students |  |
|  |  |  |
| 93ZE690 | Clerkship in Emergency Medicine, Instructor (annually, 1-3 hrs) | 2000-\* |
|  | Lecture medical students on chest pain, pain management, dyspnea, case conference, headache and toxicology, among other topics |  |
|  |  |  |
| M 720 | Clerkship in Internal Medicine, Lecturer (annually, 4-hr small group sessions) | 2001-2006\* |
|  | Lectured 12 3rd yr medical students on performing a lumbar puncture procedure |  |
|  |  |  |
| M 730 | Objective Structured Clinical Examination, Faculty Actor/Teacher (6 2-hr sessions) | 2004-2006\* |
|  | Conducted Internal Medicine Sub-Internship sessions and exams for 12 3rd yr medical students |  |
|  |  |  |
| X602 | Evidence Based Medicine, Instructor (annually, four 2-hr sessions) | 2004-2014\* |
|  | Instructed principles and application of EBM for 12 1st year students |  |

**POSTGRADUATE**

|  |  |  |
| --- | --- | --- |
| Clinical | Internal Medicine Resident Evaluation Exercise, Faculty (2-3/year) | 1993-2000\* |
|  | Observed, critiqued and summarized performance of interns taking a patient history, physical examination, and oral presentation of same |  |
|  |  |  |
| Clinical | Internal Medicine, Emergency Service Attending Physician. (4-5 5-hr/week sessions) | 1993-2000\* |
|  | Supervised clinical instruction for 2-6 residents and 1-4 medical and physician assistant students |  |
|  |  |  |
| Clinical | General Internal Medicine Ward Service, Attending Physician (2-4 mos/yr; 50+ hrs/week) | 1993-2000\* |
|  | Supervised team’s daily rounds including a medical resident, 3 interns and/or sub-interns, 4 junior students and a Pharm. D. student treating 10-20 inpatients on wards and in the ICU. Conducted *ad hoc* mini-lectures and patient-based discussions |  |
|  |  |  |
| Clinical | General Internal Medicine Clinic, Attending Physician (2 half-days/week) | 1993-2000\* |
|  | Supervised and taught 4-6 interns and residents, and one junior student caring for outpatients |  |
|  |  |  |
| Clinical | Internal Medicine Resident Morning Report, Wishard Hospital (10 45-min. lectures/year) | 1993-2008\* |
|  | Lectured and facilitated discussion on multiple topics  |  |
|  |  |  |
| Clinical | Internal Medicine House Staff Conference (annually) | 1995-2004\* |
|  | Lectured on *Hypo- and Hyperthermia* to 50-75 house staff, faculty and residents |  |
|  |  |  |
| Clinical | Noon Lectures for Internal Medicine, Advisor (annually) | 1995-2004\* |
|  | Advised and supported 1-2 residents in preparation for their required ½ hr lecture |  |
|  |  |  |
| Clinical | Emergency Medicine Residents/Students education, Lecturer (monthly) | 1996-2001\* |
|  | Lectured on multiple topics including *Working in the ED, Approach to the Emergency Patient, Coma and Mental Status Changes*, and *Hypertension in the ED*  |  |
|  |  |  |
| Clinical | Indiana University School of Medicine, Lecturer (monthly) | 2000-2013\* |
|  | Lectured ~60 non-emergency residents/year on *Getting the Most From Your Emergency Medicine Rotation* |  |
|  |  |  |
| Clinical | Department of Emergency Medicine Journal Club, Advisor (annually) | 2000-\* |
|  | Assist resident analyses and presentations of scholarly articles |  |
|  |  |  |
| Clinical | Emergency Medicine Oral Board Simulation, Simulation Instructor/Examiner (annually, 1-4 sessions) | 2000-\* |
| Clinical | Department of Emergency Medicine Grand Rounds: *Fluids and Electrolytes* for ~60 residents and faculty annually | 2000-2018\* |
|  |  |  |
| Clinical | Internal Medicine Rotation, Clinical Instructor (monthly) | 2001-2010\* |
|  | Lectured ~60 residents/yr on *Approach to the Patient in the Emergency Department* |  |
|  |  |  |
| Clinical | Family Practice Cadaver Procedure Laboratory, Instructor (30+ hrs teaching/prep) | 2008-2014\* |
|  | Led procedure lab for ~60 residents/yr |  |

**SERVICE: MENTORING**

|  |  |
| --- | --- |
| IU School of Medicine, Medical Student Advisor* Student Mentor Program: Faculty Co-Advisor (4 2-hr meetings + prep annually) Advised 10-15 medical students and residents
 | 2002-2013\*  |
| * Peer and Self-Assessment Program, Faculty Advisor (1-4 hrs, annually) Reviewed and produced reports on peer and self-assessments for 1-4 students
 |  2002-2015\* |
| * Faculty Advisor (annually) 1-3 medical students.
* Advised, counseled and provided administrative support
* Produce Dean's Letter (15 hrs annually)
 |  1994-2005\* 2008-2009,\* 2015 |
|  |  |
| IU School of Medicine, Emergency Medicine Resident Advisor* Brian Genovese, Class of 2016
 | 2013-2016\* |
|  |  |
| IU School of Medicine, Internal Medicine Resident Advisor (annually) | 1995-2002\* |
| * Advised 1-3 residents in 2-3 formal and multiple informal meetings
 |  |

**SERVICE: TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT**

|  |  |
| --- | --- |
| Clinical Therapeutics Course, Course Director (93MI710) | 1995-1997 |
| * Determined course content and administered over 38 lectures and 125 case-based learning small group sessions; orchestrated over 50 faculty for 75 students
 |  |
|  |  |
| Emergency Service Resident Curriculum | 1995-2001\* |
| * Conceptualized, organized, evaluated and administered didactic sessions for rotating residents from internal medicine, medical students and physician assistant students
 |  |
|  |  |
| Wishard/Eskenazi Emergency Department Resident Curriculum* Conceptualized, organized, evaluated, administered and taught didactic sessions for medical students, physician assistant students, and rotating residents from internal medicine, dental, psychiatry, orthopedics, otolaryngology, family medicine, obstetrics/gynecology, and transitional programs
 | 2001-2016\* |
|  |  |
| Emergency Medicine Residency Curriculum | 2004-2014\* |
| * Organized, updated and coordinated teaching and materials across five Cadaver Procedure labs for 60 emergency medicine residents yearly
 |  |
|  |  |
| Cadaver Procedure Laboratory Leader

|  |  |
| --- | --- |
| * Organized, updated and coordinated teaching and materials across Cadaver Procedure labs for 60 family medicine residents, pulmonary fellows and emergency medical technicians and paramedics yearly
 |  |

 | 2006-2014\* |
| Emergency Medicine Residency Curriculum | 2005-2010\* |
| * Co-organized and co-developed teaching material for Airway Procedure cadaver labs
 |  |

**SERVICE**

**SERVICE: GRANTS/FELLOWSHIPS**

**SERVICE: COMPLETED INDUSTRY-SPONSORED CLINICAL STUDIES**

|  |  |
| --- | --- |
| Phase II Study, Identified and Referred Patients | 2005\* |
| * A Phase II, Multicenter, Randomized, Double-Mask, Double-Dummy Study Comparing the Efficacy and Safety of Peramivir Administered Intravenously Once Daily versus Oseltamivir Administered Orally Twice Daily in Adults with Acute Serious or Potentially Life-Threatening Influenza
 |  |
|  |  |
| Open-Label Phase IV Study, Identified and Referred Patients | 2006\* |
| * A Multicenter, Randomized, Open-Label Comparison of the Safety and Efficacy of Tigecycline with that of Ampicillin-Sulbactam or Amoxicillin-Clavulanate to Treat Complicated Skin and Skin Structure Infections, Protocol Number - 3074A1-900
 |  |
|  |  |
| Phase III Study, Identified and Referred Patients | 2008-2009\* |
| * Phase III, Multicenter, Randomized, Double Blind, Placebo-Controlled Study of Peramavir, BCX1812-311, Biocryst Pharmaceuticals
 |  |
|  |  |

**SERVICE: COMPLETED GRANTS/FELLOWSHIPS**

|  |  |
| --- | --- |
| Clarian Health Partners Health Values Grant for Medical Education | 1999\* |
| * Created and evaluated a multimedia procedure training laboratory
* $80,000 over two years
 |  |
|  |  |
| Eli Lilly and Company Grant for Public Medical Education | 2007\* |
| * Coordinated and presented four 2-hr presentations on current medical topics for the lay public
* Sole grant writer for one year, $13,000 grant
 |  |
|  |  |
| Merck and Pfizer Corporations Grant for Medical Education  | 2008\* |
| * Coordinated and presented two 2-hr presentations on current medical topics for the lay public
* Sole grant writer for one year, $11,000 grant
 |  |
|  |  |
| Stryker Corporation of Kalamazoo, MI Grant for Medical Education | 2010\* |
| * Enabled Cadaver Laboratories with cadaver lab supplies
* Sole grant writer for one year, $2,000 grant
 |  |

**SERVICE RESPONSIBILITIES**

**COMMUNITY**

|  |  |
| --- | --- |
| Genessaret Free Clinics, Physician Volunteer | 1990-1999\* |
| * Provided pro bono medical care for Indianapolis homeless and working poor
 |  |
|  |  |
| Indiana Medical SEEK day, Preceptor | 1995-2001\* |
| * Supervised two high school students during ED or ward sessions
 |  |
|  |  |
| American Legion Health Fair, Physician Volunteer | 1999\* |
|  |  |
| Wheeler Mission, Physician Volunteer | 2004-2008\* |
| * Supervised medical students volunteering medical services
 |  |
|  |  |
| Indy Homeless Connect, Physician Volunteer | 2007-2009\* |
| * Provided pro bono medical care on a multi-disciplinary team for homeless
 |  |
|  |  |
| Hugh O’Brien Youth Leadership, Physician Volunteer | 2013\* |
| * Meet the Professionals career fair, Butler University
 |  |

**INTERNAL MEDICINE DEPARTMENT**

|  |  |
| --- | --- |
| Faculty Interviewer, residency candidates  | 1994-2000\* |
|  |  |
| Administrator, Junior Student clerkship oral exam (twice annually) | 1994-2000\* |

**EMERGENCY MEDICINE DEPARTMENT**

|  |  |
| --- | --- |
| Faculty Interviewer, residency candidates  | 2000-2001\* |

**SCHOOL OF MEDICINE SERVICE**

|  |  |
| --- | --- |
| IUSM Faculty Community Relations Committee |  |
| * Member
 | 2004-2017\* |
| * Chairman
 | 2005-2008\* |
|  |  |
| Faculty Coordinator for IUSM day at the Indiana State House | 2007-2014\* |

**REGIONAL SERVICE:**

**INTERNATIONAL SERVICE:**

|  |  |
| --- | --- |
| United Nations and International Atomic Energy Agency, Vienna, Austria, Consultant | 1994 |
| * Seminar and teaching program included Advanced Cardiac Life Support, Basic Life Support; Physical and Psychological Preparation for Retirement; Staying Healthy as One Ages; Maximizing Your Relationship with Health Care Professionals
 |  |

**PROFESSIONAL SERVICE**

**LOCAL**

|  |  |
| --- | --- |
| Wishard/Eskenazi Emergency Services Operation Group (bi-weekly/monthly)  | 1994-2000\* |
| * Planned operations, developed and approved policies and protocols
 |  |
|  |  |
| IU Medical Group Clinical Practice Committee (10-20 hrs/weekly) | 1996-2000\* |
| Developed, evaluated and disseminated guideline, protocols and policies |  |
|  |  |
| Wishard Hospital Pharmacy and Therapeutics Committee  | 1996-2000\* |
| * Reviewed and approved formulary
 |  |
|  |  |
| Wishard Chest Pain/MI Planning Committee  | 1998-1999\* |
| * Collaborated with multiple disciplines to develop and implement treatment standards
 |  |
|  |  |
| National Registry of Myocardial Infarction, Wishard Medical Director  | 1998-2000\* |
| * Directed Wishard’s participation in national program
 |  |
|  |  |
| Wishard/Eskenazi Continuing Medical Education (CME), Medical Director  | 2000-2013\* |
| * Guided CME activities including instruction in Advanced and Basic Life Support
 |  |
|  |  |
| Wishard Hazardous Materials Preparedness Program, Medical Director (2-10 hrs/yearly) | 1997-2003\* |
| * Provided oversight, administration and patient care
 |  |
|  |  |
| Wishard Patient Care, Committee Member  | 2000\* |
| * Contributed to interdisciplinary team that oversaw safety and quality issues
 |  |
| Wishard Clinical Redesign Task Force, Member | 2001\* |
| * Contributed to interdisciplinary team that evaluated and streamlined care processes

Medical Director, Eskenazi Clinical Decision Unit* Created and oversaw all aspects including clinical, professional and technical

Interim Medical Director, MDwise* Responsible for regulatory, medical management and utilization review functions for entire

managed Medicaid company during 6 month search for new permanent medicine directorChair, Eskenazi Medical Group Delegated Credentialing committee* Chair overseeing credentialing for Eskenazi hired providers delegated by various payors

Medical Director, MDwise Eskenazi* Performed clinical, regulatory and utilization review functions for the Eskenazi delivery system within a managed Medicaid company
 | 2013-202120172016-20222013-2020 |
|  |  |

**REGIONAL**

|  |  |
| --- | --- |
| Central Association of Advisors for Health Professions, Member | 2005\* |
| * Advised pre-health professions students
 |  |

**NATIONAL**

|  |  |
| --- | --- |
| Homeland Security, Instructor | 1998 |
| * Conducted Domestic Preparedness Course, Biological Warfare Agents
 |  |
|  |  |
| American Heart Association, Contributing Member | 2000-2001\* |
| * Conducted local implementation of Operation Stroke
 |  |
|  |  |
| Invited Reviewer for the following Journals |  |
| * MedEdPORTAL of the American Association of Medical Colleges
 | 2004-2014\* |
| * American Journal of Emergency Medicine
 | 2014-2022 |

**INVITED PRESENTATIONS – SERVICE**

**LOCAL**

|  |  |
| --- | --- |
| Wishard Nursing, Invited Speaker | 2009\* |
| * *Diabetic Ketoacidosis and Hyperosmolar, Nonketotic State*
 |  |

**REGIONAL**

|  |  |
| --- | --- |
|  |  |
| Reid Hospital, Richmond, IN, Grand Rounds Invited Lecturer | 2008, 2009\* |
| * *Acute Wound Care*
 |  |
|  |  |
| Community South Hospital, Greenwood, IN, Grand Rounds Invited Lecturer | 2010\* |
| * *Acute Wound Care*
 |  |
|  |  |
| Union Hospital, Terre Haute, IN, Grand Rounds Invited Lecturer | 2011\* |
| * *Acute Presentation: Emergency Medicine for Non-EM Practitioners*
 |  |

**NATIONAL**

|  |  |
| --- | --- |
| ACP/American Society of Internal Medicine, Indianapolis, Invited Lecturer | 2000\* |
| * Organized and conducted 2-hr workshop *Arthocentesis*
 |  |
|  |  |
| ACP, Indianapolis, Invited Lecturer | 2001, 2006\* |
| * Organized and conducted 2-hr workshop *Minor Trauma and Splinting*
 |  |
| AAEM, Philadelphia, PA, Invited Facilitator (2-days) | 2016-2017\* |
| * Facilitator/examiner in emergency medicine oral board review course for 60 physicians
 |  |
| Vizient (formerly University HealthSystem Consortium), National Webinar* One of 2 presenters (of 42 systems nationally) chosen to present best practices in presentation “Management of the Observation Patient Benchmarking Study Knowledge Transfer” attended by 100 nationwide participants
 | 2019 |

**PEER REVIEWED REGIONAL PRESENTATIONS**

|  |  |
| --- | --- |
| Pettit K, Wilbur L**,** Bartkus E, **Messina F**. *The Use of a Fresh-Frozen Cadaver Lab to Assess Emergency Medicine Resident Perceived Procedural Competence and Comfort.*  | April 2008\* |
| ACEP, Indiana Chapter, Annual Meeting, Indianapolis, IN |  |
|  |  |
| Wilbur L, Brummett J, **Messina F** et. al. *What is Procedural Competence?  A Comparison Between the Number of Procedures Performed by Emergency Medicine Residents**and Their Reported Procedural Competence* | Sept 2008\* |
| SAEM Midwest Regional Meeting. Coralville, IA |  |
|  |  |
| Barrosso E, Cooper D, Wilbur L, **Messina F**, et. al. *The Use of an Embalming Machine to* *Optimize Central Venous Catheterization in Human Cadaver Labs* | Sept 2008\* |
| SAEM Midwest Regional Meeting. Coralville, IA |  |
|  |  |
| **Messina F**, Weaver C, Trammel A, McDaniel M, Ervin D, Perkins A. *Improving Specialty Follow-up Care after an Emergency Department Visit Using a Unique Referral System* | May 2012\* May 2013\* |
| ACEP, Indiana Chapter, Annual Meeting, Indianapolis, IN |  |

**PEER REVIEWED NATIONAL PRESENTATIONS**

|  |  |
| --- | --- |
| Pettit K, Wilbur L**,** Bartkus E, **Messina F**. *The Use of a Fresh-Frozen Cadaver Lab to Assess Emergency Medicine Resident Perceived Procedural Competence and Comfort.*  | 2008\* |
| AAEM Scientific Assembly, Amelia Island, FL |  |
|  |  |
| Pfennig C, Wilbur L, **Messina F,** et. al. *A Fresh-Frozen Cadaver Lab to Teach Procedures to Emergency Medicine Residents: A Model Curriculum.*  | 2008\* |
| AAEM Scientific Assembly, Amelia Island, FL.  |  |
|  |  |
| Wilbur L, **Messina F**, Cooper D, Barroso, E. *Use of an Embalming Machine to Create a Central Venous Access Model in Human Cadavers.*  | 2009\* |
| SAEM, Annual Meeting, New Orleans, LA |  |
|  |  |
| Cooper D, Wilbur L, Barroso E, **Messina F,** et al.. *The Use of an Embalming Machine to Optimize Central Venous Catheterization in Human Cadaver Labs.*  | 2009\* |
| SAEM, Annual Meeting, Innovations in Emergency Medicine exhibit. New Orleans, LA |  |
|  |  |
| **Messina F**, Cooper D, Wilbur L, Bartkus E, Huffman G. *Use of an Embalming Machine to Create a Fascial Compartment Pressure Monitoring Model in Human Cadavers*. | 2010\* |
| Council of Residency Directors in Emergency Medicine, Annual Academic Assembly, Orlando, FL |  |
|  |  |
| **Messina F**, Cooper D, Wilbur L, Bartkus E, Huffman G. *Use of an Embalming Machine to Create a Fascial Compartment Pressure Monitoring Model in Human Cadavers*. | 2010\* |
| SAEM, Annual Meeting, Phoenix, AZ |  |
|  |  |
| **Messina, F**, Wilbur, L, Bartkus, E, Cooper, D, Huffman, G. *A Fresh Frozen Cadaver Procedure Laboratory*. | 2011\* |
| Association of American Medical Colleges, Annual Meeting, Denver, CO |  |
|  |  |
| LaMantia M, **Messina F**, Hobgood C, Miller D. *Screening for Delirium in the Emergency Department: A Systematic Review*. | May 2012\* |
| American Geriatrics Society Annual Scientific Meeting, Presidential Poster Session presentation, Seattle, WA.  |  |
|  |  |
| **Messina F**, Weaver C, Trammel A, McDaniel M, Ervin D, Perkins A. *Improving Specialty Follow-up Care after an Emergency Department Visit Using a Unique Referral System*.  | Oct 2012\* |
| ACEP, Research Forum, Denver, CO |  |
|  |  |
| LaMantia Michael, Stump Timothy E, **Messina Frank C**, Miller Douglas Kent, Callahan Christopher M. *Emergency Department Use Among Older Adults with Dementia.*   | May 2015\* |
| American Geriatrics Society, Annual Scientific Meeting presentation, National Harbor, MD. |  |
|  |  |
| LaMantia Michael, **Messina Frank C**, Jhanji Shola Sade , Nazir Arif, Maina Mungai, McGuire Siobhan Maureen, Hobgood Cherri D, Miller Douglas Kent. *Emergency Medical Service, Nursing, and Physician Providers’ Perspectives on Delirium Identification and Management* .  | May 2015\* |
| American Geriatrics Society, Annual Scientific Meeting presentation, National Harbor, MD. |  |
|  |  |
| LaMantia Michael, **Messina Frank C**, Jhanji Shola Sade , Nazir Arif, Maina,Mungai, McGuire Siobhan Maureen, Hobgood Cherri D, Miller Douglas Kent. *Emergency Medical Service, Nursing, and Physician Providers’ Perspectives on Delirium Identification and Management.*  | June 2015\* |
| American Delirium Society, Annual Meeting presentation, Baltimore, MD |  |
|  |  |

**PEER REVIEWED INTERNATIONAL PRESENTATIONS**

|  |  |
| --- | --- |
| Arno JN, **Messina F**, Perkins A, Allen A. *STD Testing in ED: A Novel Method to Provide Test Results* | 2011\* |
| International Society for STD Research Conference. Quebec, Canada |  |

**SERVICE PUBLICATIONS**

**PEER REVIEWED SERVICE PUBLICATIONS**

PEER REVIEWED PUBLISHED ABSTRACTS

1. **Messina FC**, Litzelman DK. Curriculum Development for Emergency Service Experience During Internal Medicine Residency Training. *Clinical Research* **40**:602A, 1992.
2. **Messina FC**, Litzelman DK An Emergency Services Needs Assessment for Internal Medicine Residency Training. . *Clinical Research* **41**:561A, 1993.
3. \*Wilbur L, **Messina F**, Cooper D, Barroso E. Use of an Embalming Machine to Create a Central Venous Access Model in Human Cadavers. *Academic Emergency Medicine* **16**: S280-S280, 2009.
4. **\*Messina F**, Cooper D, Wilbur L, Bartkus E, Huffman G. Use of an Embalming Machine to Create a Fascial Compartment Pressure Monitoring Model in Human Cadavers. *Academic Emergency Medicine* **17**: s30, 2010.
5. **\*Messina F**, Weaver C, Trammel A, McDaniel M, Ervin D, Perkins A. Improving Specialty Follow-up Care after an Emergency Department Visit Using a Unique Referral System. *Annals of Emergency Medicine*[Volume 60, Issue 4, Supplement](http://www.annemergmed.com/issues?issue_key=S0196-0644(12)X0003-9) , Page S14, October 2012
6. \*LaMantia MA, Stump T, **Messina F**, Miller D, Callahan C.  (2015) Emergency Department Use Among Older Adults With Dementia.  *Journal of the American Geriatrics Society*, 63(S1):A55:S37
7. \*LaMantia MA, **Messina F**, Jhanji S, Nazir A, Maina M, McGuire S, Hobgood C, Miller D. (2015) Emergency Medical Service, Nursing, and Physician Providers’ Perspectives on Delirium Identification and Management*.  Journal of the American Geriatrics Society*, 63(S1):A54:S36-37

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1. Locker GJ, Lotzmann H, Frey B, **Messina FC**, Sterz FR, Weissel, M, Laggner AN. Factititious hyperthyroidism causing acute myocardial infarction. *Thyroid*. 5(6):465-7, 1995 Dec
2. **\*Messina FC**, Cooper D, Huffman G, Wilbur L, Bartkus E. A Human Cadaver Fascial Compartment Pressure Measurement Model. *Journal of Emergency Medicine,* **45**:e127–e131, 2013. PMID: 23845521.
3. **\*Messina FC**, McDaniel MA, Trammel AC, Ervin DR, Kozak MA, Weaver CS. Improving specialty care follow-up after an ED visit using a unique referral system. *American Journal of Emergency Medicine* **31**:1495-1500, 2013. PMID: 24035046.
4. \*LaMantia MA, **Messina FC**, Hobgood CD, Miller DK. Screening for delirium in the emergency department: a systematic review. *Ann Emerg Med.* 2014 May;63(5):551-560.e2. doi: 10.1016/j.annemergmed.2013.11.010. Epub 2013 Dec 16. Review. PubMed PMID: 24355431.
5. \*LaMantia MA, Boustani MA, Jhanji S, Maina M, Nazir A, **Messina FC**, Frame A, Alder C, Chodosh J. Redesigning acute care for cognitively impaired older adults: Optimizing health care services *Dementia* (London). 2016 Sep;15(5):913-30. doi: 10.1177/1471301214547089. Epub 2014 Aug 15. PMID: 25128821
6. \*LaMantia, **Messina, FC**, McGuire, SM ; Jhanji, SS Maina, M; Nazir, A Hobgood, C; Miller, DK; Emergency Medical Service, Nursing, and Physician Providers’ Perspectives on Delirium Identification and Management; *Dementia* (London). 2017 Apr;16(3):329-343. doi: 10.1177/1471301215591896. Epub 2016 Jul 26. PMID:26112165
7. \*LaMantia MA, Stump TE, **Messina FC**, Miller DK, Callahan CM. Emergency Department Use Among Older Adults With Dementia. *Alzheimer Dis Assoc Disord*. 2016 Jan-Mar;30(1):35-40. doi: 10.1097/WAD.0000000000000118. PMID:26523710
8. \*Lamantia Michael, Lane Kathleen, Tu Wanzhu, Carnahan Jennifer, **Messina Frank**, Unroe Kathleen (2016). Patterns of Emergency Department Use Among Long-Stay Nursing Home Residents with Differing Levels of Dementia Severity. *Journal of the American Medical Directors Association,* 17(6), 541-546.
9. \*Sher SJ, Aftab W, Moorthi RN, Moe SM, Weaver CS, **Messina FC**, Martinez-Hoover NM, Anderson MD, Eadon MT. Healthcare outcomes in undocumented immigrants undergoing two emergency dialysis approaches. *Clin Nephrol*. 2017 Oct;88(10):181-192. doi: 10.5414/CN109137. PMID: 28818188
10. \*Fisher-Trotter H, Collins S, Danagoulian S, Hunter B, Li X, Levy P, **Messina F**, Pressler S, Pang P. Design and Rationale of a Randomized Trial: Using Short Stay Units Instead of Routine Admission to Improve Patient Centered Health Outcomes for Acute Heart Failure Patients (SSU-AHF). [*Contemp Clin Trials*.](https://www.ncbi.nlm.nih.gov/pubmed/30125731) 2018 Sep;72:137-145. doi: 10.1016/j.cct.2018.08.003. Epub 2018 Aug 17
11. Chodosh J, Connor K, Fowler N, Gao S, Perkins A, Grudzen C, **Messina F,** Mangold M, Smilowitz J, Boustani M, Borson S. Program of Intensive Support in Emergency Departments for Care Partners of Cognitively Impaired Patients: Protocol for a Multisite Randomized Controlled Trial JMIR Res Protoc 2022;11(10):e36607 URL: <https://www.researchprotocols.org/2022/10/e36607> DOI: 10.2196/36607

PEER REVIEWED ONLINE PUBLICATIONS

1. **\*Messina, F**., Wilbur, L., Bartkus, E., Cooper, D., Huffman, G., (2008). A Fresh Frozen Cadaver Procedure Laboratory. MedEdPORTAL: <https://www.mededportal.org/publication/794>
2. **\*Messina, F** . Advanced Cardiac Life Support: A Review Before Residency. MedEdPORTAL; 2010. Available from: [http://services.aamc.org/30/mededportal/servlet/s/segment/ACPportal/?subid=8175](http://services.aamc.org/30/mededportal/servlet/s/segment/mededportal/?subid=8175)

BOOK CHAPTERS

1. **Messina FC**, Laggner AN. MODS: Means of prevention in the preclinical and clinical setting. (Chapter) in *MODS: Multiple Organ Dysfunction Syndrome*, Hammerle AF (Editor), p. 7, 1994.

**NON-PEER REVIEWED SERVICE PUBLICATIONS**

OTHER WRITTEN SERVICE PUBLICATIONS

|  |  |
| --- | --- |
| Primary Care patient brochure: Welcome to Medicine Clinic  | 1998 |
| *Independently wrote and produced patient brochure delineating patient rights, responsibilities and clinic operation* |  |
|  |  |
| Wishard Emergency Service Physician Coordinator/Operations Manual |  |
| *Researched, organized, produced and provided yearly updates for Faculty attending the Emergency Service* | 1994-2000\* |

MEDIA

|  |  |
| --- | --- |
| **Messina, F** . “Wishard Emergency Service Orientation Video”- a 20 min video. | 1997 |
| Within a $14,000 budget, researched and wrote script, narrated and oversaw production and editing. |  |
|  |  |
| **Messina, F**, Lewis B. Co-hosts of “Sound Medicine” a weekly hour radio show on WFYI then syndicated to other National Public Radio stations and available by podcast. |  |

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| --- | --- | --- |
| Herbal Supplements | Originally presented | January 29, 2006\* |
| Acetaminophen and Liver Failure | Originally presented | February 26, 2006\* |
| Seat Belts | Originally presented | March 19, 2006\* |
| Doc Chat: Emergency Medicine | Originally presented | March 26, 2006\* |
| Spot an Internet Hoax | Originally presented | May 28, 2006\* |
| Stages of Menopause | Originally presented | June 18. 2006\* |
| Menstrual Cycle Suppression | Originally presented | July 16, 2006\* |
| Obstacles to Digitizing Medical Records | Originally presented | August 13, 2006\* |
| Emergency Preparedness after 9/11 | Originally presented | Sept. 10, 2006\* |
| Mystery Shoppers for Health Services | Originally presented | October 1, 2006\* |
| Doc Chat: Careers in the ER | Originally presented | October 8, 2006\* |
| Living with Pulmonary Hypertension | Originally presented | December 10, 2006\* |

**Messina, F**: Live, recorded and/or published media interviews on various subjects of interest 1994-\*

 to the professional medical community and lay public:
 American Medical News

 New York Times

 Northwest Indiana Times

 Indianapolis Star

 WTHR-TV Indianapolis

WISH-TV Indianapolis

Fox 59 TV Indianapolis

WRTV Indianapolis

WFYI Indianapolis

Press releases relating to scholarship (all 2015)\*:

<http://www.eurekalert.org/pub_releases/2015-11/iu-ris111215.php>

<http://medicalxpress.com/news/2015-11-seniors-dementia-emergency-department.html>

<http://www.news-medical.net/news/20151113/Older-adults-with-dementia-make-more-frequent-visits-to-emergency-departments.aspx>

<http://psychcentral.com/news/2015/11/15/more-er-visits-for-seniors-with-dementia/94830.html>

<http://www.news-medical.net/news/20151113/Older-adults-with-dementia-make-more-frequent-visits-to-emergency-departments.aspx>

<http://www.hcplive.com/medical-news/dementia-patients-make-more-use-of-eds-with-worse-outcomes>

Signed: Frank Camillo Messina, MD