

## Faculty Scholarly Activity 2021-2022

- **Bruce Lo MD**, Professor, presented “Pelvic/Abdominal Trauma” and served as faculty for the Adult Basic and Advanced Airway Labs for ATLS at EVMS on July 8, 2021.
- **Joe Lang MD**, Assistant Professor and **Tex Ford MD**, EMS Fellow, presented “Special Populations in EMS” at the TEMS Quarterly Educational Meeting on July 22, 2021.
- **Barry Knapp MD**, Professor, presented “Advanced Cardiac ECHO: A Case-Based Learning Exposure” to 2<sup>nd</sup> year EVMS medical students on Aug 5, 2021.
- **Francis Counselman MD**, Professor, presented (virtually) Grand Rounds for the Michigan Emergency Medicine Residency Consortium on Aug 18, 2021. He presented “Trauma in Pregnancy”; “Marine Envenomation & Poisoning”, and “You Smoked What? Emerging Drugs of Abuse” to 15 EM residency programs.
- **Joe Lang MD**, Assistant Professor, and **Michael Hudson MD**, EM-2, presented a lecture and served as faculty for performing cricothyrotomy to the EMTs of Portsmouth EMS on Aug 18, 2021.
- **Barry Knapp, MD**, Professor and Program Director presented “A Career in Emergency Medicine” to the EVMS M-1 and M-2 students on Sept 14, 2021.
- **Julie Tondt MD**, AEM Fellow and **Matt Jones MD**, Assistant Professor, conducted a suture workshop for EVMS M-1 and M-2 students on Sept 24, 2021 – it was extremely well received.
- **Kean Feyzeau MD**, Assistant Professor, presented “eFast and Bladder Ultrasound” to the EVMS M-1 students on Sept 27, 2021.
- **Barry Knapp MD**, Professor & Program Director, presented “Sound Waves: Looking for Things That will Kill Your Patient” to EVMS M-2 students on Sept 28, 2021.
- O’Connell KA, Kisteneff AV, Gill SS, Edwards JF, Sherrerd-Smith WW, **Moraczewski (Salts) LA**, Derber CJ, **Lo BM**. HIV post-exposure prophylaxis in the emergency department: an updated assessment and opportunities for HIV prevention identified. *Am J Emerg Med* 2021; 46:323-328. PMID 33069548.
- **Stewart Martin MD**, Assistant Professor, presented Grand Rounds at SVBGH on Sept 7, 2021. He presented “Hyperbaric Oxygen: Indications and Treatment”.
- **Barry Knapp MD**, Professor and Program Director presented “How to Save a Life....A Guide to Resuscitative Ultrasound” to EVMS M-2 students on Oct 1, 2021.

- **Francis L. Counselman MD**, Professor and Chairman presented (virtually) VIP Grand Rounds for the Department of Emergency Medicine at the University of Wisconsin School of Medicine and Public Health on Oct 7, 2021. He presented “You Smoked What: Emerging Drugs of Abuse.”
- **Tex Ford MD**, EMS Fellow, presented “Thoracic Trauma” to the Virginia Beach EMS members on Oct 15, 2021 in Virginia Beach.
- **Matt Jones MD**, Assistant Professor, virtually presented information on COVID19, infection rates and trends, and vaccine effectiveness to the members of Connecting Communities LLC, a group of approximately 30 mental health providers, on Oct 12, 2021 in Portsmouth, Virginia.
- **Tex Ford MD**, EMS Fellow presented “Thoracoabdominal Trauma” to the personnel of the City of VA Beach Emergency Medical Services (EMS) and Fire Department on Oct 20, 2021 in Virginia Beach.
- **Bruce Lo MD**, Professor served on a panel entitled “Managing Change in EM”, sponsored by the Emergency Medicine Residents’ Association on Oct 25, 2021. This was held at the 2021 ACEP Scientific Assembly in Boston, MA.
- **Heidi Best MD**, Assistant Professor and Michael Becker MD, presented “Emergency Care in a Few Rooms with Even Fewer Staff” at the Emergency Medicine Business Coalition (EMBC) Annual Membership Meeting, held in conjunction with the 2021 ACEP Scientific Assembly, on Oct 26, 2021 in Boston, MA.
- **Tex Ford MD**, EMS Fellow, presented “Airway Nightmares” to the EMS providers as part of their continuing education program, sponsored by Tidewater Emergency Medical Services, in Norfolk on Oct 27, 2021.
- **Matt Jones MD**, Assistant Professor, presented “Lung and Airway Point-of-Care US” to the SNGH Respiratory Therapists on Oct 27, 2021 at SNGH.
- **Joe Lang MD**, Assistant Professor, presented “High Altitude Illness” and “Dive! Dive! Dive! – Diving Related Illness” at the Virginia State EMS Symposium on Nov 3, 2021 in Norfolk, VA.
- **Julie Tondt MD**, AEM Fellow, served on a webinar panel of eight EM faculty & fellows entitled “Tips for Effective On-shift Teaching: Becoming the Best Clinical Educator to Medical Students that You Can Be”, sponsored by the Society for Academic Emergency Medicine on Nov 4, 2021.
- **Tex Ford MD**, EMS Fellow, presented “Uncommon Causes of Sepsis” and “When Your Trusted Tools Fail You” at the Annual Virginia EMS Symposium on Nov 5, 2021 in Norfolk, VA.

- **Barry Knapp MD**, Professor, presented “Normal Gynecological Anatomy & Ultrasound Evaluation of Early Pregnancy” to EVMS second year medical students on Nov 10, 2021.
- **Barry Knapp MD**, Professor, co-taught “Health Systems Science Foundational Sciences Module – Pandemic Response” to EVMS M-1 students on December 1, 2021.
- **Bruce Lo MD**, Professor, presented “Bariatric Surgery Complications in the ED” at the 42<sup>nd</sup> Annual Current Concepts in Emergency Medicine conference in Maui, Hawaii on December 8, 2021.
- **Ransford GL, Kallevang (Rea) LR, Lo BM**. Painless ectopic twin pregnancy. *Visual J Emerg Med* 2021; Oct; 25: 101167.
- **Tondt J, Beauchamp B, Counselman FL**. Endowed faculty positions in academic emergency medicine: 2021 (abstract). *Ann Emerg Med* 2021; 78(45):S155.
- **Byars D, Feyzeau K, Jones M**. Point of care ultrasound diagnosis of Lemierre’s Syndrome as a complication of a mandibular fracture. *Visual J Emerg Med* 2022; 26:101220.
- Expert Panel on Neurological Imaging, Ortiz AO, Levitt A, Shah LM, Parsons MS, Agarwal V, Baldwin K, Bhattacharyya S, Boulter DJ, Burns J, Fink KR, Hunt CH, Hutchins TA, Kao LS, Khan MA, **Lo BM**, et al. ACR Appropriateness Criteria<sup>®</sup> suspected spine infection. *J Am Coll Radiol* 2021 Nov; 18(11S):S488-S501. PMID 34794603.
- Expert Panel on Cardiac Imaging, Kicska GA, Hurwitz Koweek LM, Ghoshhajra BB, Beach GM, Brown RKJ, Davis AM, Hsu JY, Khosa F, Kligerman SJ, Litmanovich D, **Lo BM**, et al. ACR Appropriateness Criteria<sup>®</sup> suspected acute aortic syndrome. *J Am Coll Radiol* 2021; 18 (11S):S474-S781. PMID 34794601.
- **Lo BM, Kallevang LR, Best HA**. Pain in the back after fall. *J Am Coll Emerg Physicians Open*. 2021 Nov 24;2(6):e12602. eCollection 2021 Dec. PMID: 34853834
- Expert Panel on Thoracic Imaging, Stowell JT, Walker CM, Chung JH, Bang TJ, Carter BW, Christensen JD, Donnelly EF, Hanna TN, Hobbs SB, Johnson BD, Kandathil A, **Lo BM**, Madan R, Majercik S, Moore WH, Kanne JP. ACR Appropriateness Criteria<sup>®</sup> nontraumatic chest wall pain. *J Am Coll Radiol*. 2021;18(11S):S394-S405. PMID: 34794596.
- **Matt Jones MD**, Assistant Professor, **Kean Feyzeau MD**, Assistant Professor, **Don Byars MD**, Professor, **Lauren Gallion MD**, EUS Fellow, and **JD Landon MD**, EUS Fellow taught the EVMS Maternal Fetal Medicine (MFM) Fellowship a Point-of-Care Ultrasound course on March 23, 2022.

- Congratulations to our Emergency Medicine Ultrasound Faculty and Fellows and EM residents for the significant number of presentations they made at the AIUM Annual Integrative Ultrasound Meeting 2022 in San Diego, CA, March 12-16, 2022

#### Oral Presentation

- *Erector Spinae Plane Block as Novel Therapy for Renal Colic: A Case Series* — Authors: **Don Byars MD**, Professor, **Mark Noble MD**, Assistant Professor, **Kean Feyzeau MD**, Assistant Professor, **Matt Jones MD**, Assistant Professor, **Sean Whitty MD**, EM-2, **Jesse Cann MD**, EM-2, **Lauren Gallion MD**, EUS Fellow, and **JD Landon MD**, EUS Fellow

#### Posters

- *A Novel Multimedia Educational Model for the Management of Priapism Using an Ultrasound Guided Dorsal Nerve Block.* — **Feyzeau, Byars, Leslie Rea Kallevang MD**, EM-3, **Ngassa Mssika DO**, EM-2, **Jones, Gallion**, and **Landon**
- *A Tale of Two Handhelds: A Comparison of Echocardiographic Images Acquired by First-Year Medical Students Using Traditional Versus an Artificial Intelligence Assisted Handheld Ultrasound Systems* — **Barry J Knapp MD**, Professor, **Byars, Feyzeau, Jones, Megan Duggins**, MS-4, **Gallion**, and **Landon**
- *Point of Care Ultrasound Diagnosis and Prognostication of Endophthalmitis* — **Byars, Knapp, Feyzeau, Jones, Gallion**, and **Landon**
- *Epicardial Cyst Masquerading as Right Atrial Enlargement Causing Pericardial Tamponade Diagnosed by Point of Care Ultrasound* — **Byars, Knapp, Feyzeau, Jones, Gallion**, and **Landon**
- *Malignant Gestational Trophoblastic Disease Diagnosed by Point of Care Ultrasound in a Patient With a Negative Urine Pregnancy Test* — **Byars, Joe Lang MD**, Assistant Professor, **Feyzeau**, and **Jones**
- *Point of Care Ultrasound Diagnosis of Lemierre's Syndrome as a Complication of a Mandibular Fracture* — **Byars, Knapp, Feyzeau**, and **Jones**
- *An Improved Novel Low Cost Fascia Iliaca Block Task Trainer* — **Noble, Byars, Feyzeau, Jones, Landon**, and **Gallion**

- **Barry J. Knapp MD**, Distinguished Professor of Emergency Medicine and Program Director, presented (virtually) "Ultrasound Program Development: Lessons Learned from Private Group to UGME to GME" on February 16, 2022.
- **Joe Lang MD**, Assistant Professor, **Don Byars MD**, Professor, **Tex Ford MD**, EMS Fellow, **Martin Payne MD**, **Cliff Cutchins MD**, **Krisos Spyrtos MD**, EM-2, **Alex Schell DO**, EM-2 and **Jaquelin Sugameli DO** presented a lecture and hands-on workshop for medics from Norfolk SWAT, Chesapeake SWAT, Portsmouth SWAT, the FBI and Navy SEAL Teams on February 16, 2022 at the EVMS Simulation Center.
- **Barry Knapp MD**, Professor & Program Director, served on the Virginia Emergency Medicine Program Director panel at The Homestead on Feb 12, 2022.

- **Bruce Lo MD**, Professor, served on two panels for the VA ACEP conference: “No Staff, No Beds: Managing the ED in 2022” and “Making Me Crazy – Caring for the Psych Patients in the ED.” on February 12, 2022 at The Homestead.
- **Julie Tondt MD**, Academic EM Fellow, presented “Management of Hypertension in the Emergency Department” at the 2022 Annual VACEP CME Conference at The Homestead on Feb 12, 2022.
- On Feb 9, 2022, **Barry J. Knapp MD**, Distinguished Professor of Emergency Medicine and Program Director, presented “Soft Tissue Ultrasound” to EVMS first year medical students.
- **Francis L. Counselman MD**, Professor presented “You Smoked What? Emerging Drugs of Abuse” and “Oncologic Emergencies” at the 10<sup>th</sup> Annual Essentials in Primary Care Winter Conference in Naples, FL on Feb 8, 2022.
- On Jan 24, 2022, **Charlie Graffeo MD**, Professor and **Mike Bono MD**, Professor, presented “Environmental Pathology: From Ingestions to Burns” to EVMS first year medical students.
- **Byars D, Feyzeau K, Jones M, Landon JD, Gallion L.** Woman with white in her eye. *JACEP Open*; 2021; 2:e12610. <https://doi.org/10.1002/emp2.12610>
- Oh L, Linden JA, Zeidan A, Salhi B, Lema PC, Pierce AE, Greene AC, Werner SL, Heron SL, Lall MD, Finnell JT, Francis N, Battaglioli NJ, Haber J, Sampson C, Fisher J, Pillow MT, Doshi AA, **Lo B.** Overcoming barriers to promotion for women and underrepresented in medicine faculty in academic emergency medicine. *J Am Coll Emerg Physicians Open*; 2021 Dec 21; 2(6): e12552. PMID 34984414.
- Rowland LC, **Klinkhammer MD**, Ramirez DWE. Dynamic masking: a proposal of burden-based metrics for masking in K-12 schools during the COVID-19 pandemic. *J Sch Health* 2022 Jan; 92(1): 11-19. PMID 34750833.
- The following co-authors: **Lucie “Tex” Ford MD**, EMS Fellow; **Don Byars MD**, Professor; **Barry Knapp MD**, Professor; **Joe Lang MD**, Assistant Professor; **Ashley Fox DO**; Instructor; and **Charles Graffeo MD**, Professor had their abstract entitled “Adaptation of a Regional EMS system in the treatment of hypoglycemia in response to the lack of availability of 50% Dextrose due to the COVID-19 pandemic”, presented as a poster by **Dr. Ford** at the National EMS Physicians Conference in San Diego, CA on Jan 14, 2022.
- In addition, **Lucie “Tex” Ford MD**, **Don Byars MD**, **Joe Lang MD** and **Ashley Fox DO** presented their abstract entitled “Comprehensive Milestone Based High Fidelity in Vivo Simulation for EMS Fellow Educational Assessment” on Jan 14, 2022 at the National EMS Physician Conference.

- **Don Byars MD**, Professor, was involved in the following study: Palachick B, Carver R, **Byars D**, Martyak M, Collins J. Erector Spinae Plane Block for Traumatic Rib Fractures, a Prospective Interventional Study” for the Plenary Session of the Southeastern Surgical Conference, Feb 5-8, 2022 in Nashville, TN.
- **Knapp BJ**, Stoner J, **Lang J**, **Johnson R**, Flenner R, Gathambo M. An emergency medicine based model for community-engaged learning. *JACEP OPEN* 2022. DOI: 10.1002/emp2.12752.
- Newton E, **Ransford G**, **Cipi A**. BRUSH Syndrome: a vicious cycle. *EM Resident* 2021; 48(4):12-13.
- **Parker K**, **Rea L**, **Cipi A**. Compartment syndrome secondary to cocaine-induced rhabdomyolysis. *EM Resident* 2021; 48(4):34-36.
- **Lo BM**, Carpenter CR. In acute stroke with a large ischemic region, endovascular therapy improved functional status at 90 days. *Ann Int Med* 2022; 175(6): JC67. PMID 35667074
- **Bono MJ**, **Woolum DM**, **Jones AS**, **Counselman FL**. Vaginal swelling after intercourse: a case report. *Clin Pract Cases Emerg Med* 2022; 6(2): 169-172. PMID 35701354.
- Palachick BJ, Carver RA, **Byars DV**, Martyak MT, Collins JN. Erector spinae plane blocks for traumatic rib fractures: a prospective, interventional study. *The American Surgeon* 2022; 0(0):1-3.
- **Ransford G**, **Feyzeau K**, **Noble M**, **Jones M**, **Byars, D**. Saphenous and sciatic nerve block to treat acute lower limb ischemic pain in the emergency department. *J Ultrasound* 2022. <https://doi.org/10.1007/s40477-021-00629-0>
- **Noble M**, **Cann J**, **Feyzeau K**, **Jones M**, **Whitty S**, **Landon JD**, **Gallion L**, **Byars D**. The erector spinae plane block as novel therapy for renal colic. *J Ultrasound Med* 2022; 9999:1-5.
- **Francis L. Counselman MD**, Professor & Chairman presented “Pulmonary Emergencies” (2h) to the EVMS senior Physician Assistant students on April 11, 2022 in Lester Hall.
- **Bruce Lo MD**, Professor, presented “Neurological Emergencies: The ED Approach” (2h) to the EVMS senior EVMS Physician Assistant students on April 12, 2022 in Lester Hall.
- **Michael Bono MD**, Professor, presented “My Malpractice Experience” to the EVMS M-4 students on April 18, 2022.
- **Francis L. Counselman MD**, Professor & Chairman co-presented “Viral Hepatitis” (1.5h) with Julie Kerry, PhD to the first year EVMS medical students on April 19, 2022.
- **Barry Knapp MD**, Professor & Program Director, presented “Ultrasound: Looking for Things That Will Kill Your Patient” to the EVMS Ultrasound Interest Group on April 19, 2022.

- Multiple faculty, fellows and residents from the EVMS Department of Emergency Medicine gave presentations at the Annual Meeting of the Society for Academic Emergency Medicine (SAEM) in Chicago, May 10-13, 2022:

- Echocardiographic Images Acquired by First-Year Medical Students Using Traditional Versus an AI Ultrasound System**  
Date: Wednesday May 11, 2022  
—Barry Knapp MD, Professor, Don Byars MD, Professor, Katherine Schaffer MS-4, Duggins, Matt Jones MD, Assistant Professor, Kean Feyzeau MD, Assistant Professor, JD Landon MD, EUS Fellow, Lauren Gallion MD, EUS Fellow, Felicia Toreno PhD, Associate Professor and, Dickinson
- Erector Spinae Plane Block as Novel Therapy for Renal Colic: A Case Series**  
Date: Wednesday May 11, 2022  
—Mark Noble MD, Assistant Professor, Byars, Jones, Feyzeau, Landon, Gallion, Jesse Cann MD, EM-2, and Sean Whitty MD, EM-2
- Adaptation of EMS Hypoglycemia Treatment in Response to the COVID 19 Pandemic Supply Chain Disruption**  
Date: Thursday May 12, 2022  
—Byars, Knapp, Ford, Dylan Woolum MD, EM-3, Joe Lang MD, Assistant Professor, Ashley Fox MD, Instructor, and, Charles Graffeo MD, Professor
- A Novel Multimedia Simulation Model for the Emergency Management of Priapism**  
Date: Thursday May 12, 2022  
— Feyzeau, Byars, Jones, Leslie Rea Kallevang MD, EM-3, Ngassa Mssika DO, EM-2, Gallion, Landon
- A Qualitative and Quantitative Assessment of Three Cricothyrotomy Kits on a Simulated Difficult Airway**  
Date: Friday May 13, 2022  
— Byars, Knapp, Graffeo, Krisos Spyratos DO, EM-2, and Larry Newton MD, EM-2
- An Improved Novel Low-Cost Fascia Iliaca Block Task Trainer**  
Date: Wednesday May 11, 2022  
— Noble, Byars, Jones, Feyzeau, Gallion, Landon
- How Much Time Does It Take to Run an Emergency Ultrasound Fellowship? A Multi-year Review**  
Date: Thursday May 12, 2022  
— Byars, Knapp, Jones, Feyzeau, Gavin Rogers MD, EM-3
- Nitrous Oxide Revisited for Prehospital Pain Relief in the Opioid Crisis: A Retrospective Pilot**  
Date: Thursday May 12, 2022  
— Byars, Lang, Fox, Martin Klinkhammer MD, Associate Professor, Lucie "Tex" Ford MD, EMS Fellow, Woolum, Komal Dhir MD, Ward
- 9-1-1 Call Volumes During the COVID-19 Pandemic**  
Date: May 11, 2022

-**Shirley Jones MD, Chief Resident, Leslie Rea Kallevang MD, Marilyn Bartholmae, and Bruce Lo MD, Professor**

j. **Picture of Stroke-Related Capabilities among US Community Emergency Departments**

Date: May 11, 2022

-**Bruce Lo MD, Professor and the ACEP E-QUAL Stroke Collaboration**

- **Lucie "Tex" Ford MD, EMS Fellow** gave three presentations at the Tidewater Healthcare Education Expo, sponsored by Tidewater Emergency Medical Services (TEMS) on May 14, 2022 at the Delta Marriott Hotel in Chesapeake, Va:

- a. Uncommon Causes of Sepsis.
- b. Cardiac Devices from A to V
- c. STEMIs aren't the only type of MI

- **Drs' Byars, Ford and Rogers** presented "US Guided IV" lecture and skills lab to the Sentara Nightengale Air Ambulance team on June 11 and 12, 2022. Dr. Ford also presented "Sepsis Care" to the team on June 11, 2022.

- **Bruce Lo MD, Professor** served as faculty for the International Conference on Emergency Medicine 2022, sponsored by the Australasian College of Emergency Medicine and the International Federation for Emergency Medicine in Melbourne, Australia, June 14-19, 2022.

He presented three lectures:

- 1) Patient Flow in different settings. What options which can be considered?
- 2) Older adults' behavioral emergencies.
- 3) Crossing the bridge – Implementing MAT in OUD.

He presented one abstract:

- 1) "9-1-1 Call Volumes During the COVID-19 Pandemic". This is co-authored by **Leslie Kallevang MD, EM-3, Shirley Jones DO, Chief Resident** and Marilyn Bartholmae (EVMS HADSI).

He moderated two sessions:

- 1) Psychiatric Emergencies - the Global Health Perspective
- 2) Quality care, better care, and better emergency care