

# Department of Emergency Medicine Quarterly Update

Jan – Feb – Mar 2022

## Message from the Chair

March is a special month for the House of Medicine. It is that time of year that medical students find out where they will be training and programs find out their newest class of interns. We are very excited about the outstanding students that matched to our EM residency program – seven women and three men. Four of the top ten on our rank list matched with us – including our #1 choice! Two are graduates of EVMS; the others include students from New York, Pennsylvania, Maryland, South Carolina, Tennessee and Iowa. Overall, it is an excellent group of interns. Congratulations to Drs.' Knapp, Byars, the faculty and all of our current residents – great job with recruitment!

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## Appointments & Promotions

- Congratulations to **Christine Zauner, MD** for her initial faculty appointment at the level of Instructor (community faculty), effective March 7, 2022.
- **Julie Tondt MD**, AEM Fellow has been reappointed to the SAEM 2022 – 2023 Education Committee; this will be her third year on this important committee.
- Congratulations to **Ben Chidester MD**, Instructor. He has been promoted to Assistant Professor (community faculty) effective Feb 1, 2022.
- Congratulations to **Katherine Schaffer**, EVMS fourth year medical student, on receiving the ACEP & EMRA National Outstanding Medical Student Award in February 2022.
- The EVMS Board of Visitors awarded the title "Professor Emeritus" to **Francis L. Counselman, MD** "in recognition of a career of accomplishments and contributions to EVMS, and continued scholarship and service", effective July 1, 2022.

## Publications & Scholarly Activity

1. **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>.
2. 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.
3. 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.
4. 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.

5. 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.
6. **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.

## Speaking Engagements

1. **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.
2. 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

- a. *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. *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**
- b. *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**
- c. *Point of Care Ultrasound Diagnosis and Prognostication of Endophthalmitis* — **Byars, Knapp, Feyzeau, Jones, Gallion**, and **Landon**
- d. *Epicardial Cyst Masquerading as Right Atrial Enlargement Causing Pericardial Tamponade Diagnosed by Point of Care Ultrasound* — **Byars, Knapp, Feyzeau, Jones, Gallion**, and **Landon**
- e. *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**

- f. *Point of Care Ultrasound Diagnosis of Lemierre's Syndrome as a Complication of a Mandibular Fracture* — **Byars, Knapp, Feyzeau, and Jones**
- g. *An Improved Novel Low Cost Fascia Iliaca Block Task Trainer* — **Noble, Byars, Feyzeau, Jones, Landon, and Gallion**
3. **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.
  4. **Joe Lang MD**, Assistant Professor, **Don Byars MD**, Professor, **Tex Ford MD**, EMS Fellow, **Martin Payne MD**, Cliff Cutchins MD, **Krisos Spyrtatos 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.
  5. **Barry Knapp MD**, Professor & Program Director, served on the Virginia Emergency Medicine Program Director panel at The Homestead on Feb 12, 2022.
  6. **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.
  7. **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.
  8. 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.
  9. **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.
  10. 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.

## Other Activities

1. Congratulations to **Lauren Apgar DO** and **Gavin Rogers MD** – they were selected for membership in the EVMS Gold Humanism Honor Society "in recognition of their outstanding commitment to compassionate patient care and student teaching." They are considered by the EVMS students to be professional role models.
2. **Francis L. Counselman MD**, Professor and Chairman, represented the Association of Academic Chairs of Emergency Medicine (AACEM) at the "Becoming Certified Initiative Summit" sponsored by the American Board of Emergency Medicine (ABEM) in Chicago on March 23/24, 2022. All of the major professional organizations in Emergency Medicine were represented and participated in the Summit.
3. **Barry J. Knapp MD**, Professor and Program Director, attended the Association of Academic Chairs of Emergency Medicine (AACEM) Annual Retreat in San Juan, Puerto Rico, March 20-23, 2022.

4. **Shirley Jones DO**, Chief Resident and **Leslie Kallevang MD**, EM-3, received the McDade Research Award (postgraduate category) for their study entitled "9-1-1 Call Volumes during the COVID-19 pandemic" at The Homestead on Feb 12, 2022.
5. **AJ Langa MD**, Assistant Professor received the "Virginia ACEP Medical Director of the Year Award" at The Homestead on February 12, 2022.
6. **Christina Gates DO**, EM-1, **Joe Lang MD**, Assistant Professor, **TJ Tzavaras MD**, Assistant Professor and **Bruce Lo MD**, Professor attended the "White Coats on Call", sponsored by VA ACEP on Jan 26, 2022 in Richmond, VA at the Capital.
7. The EVMS Emergency Medicine Residency program was featured in the "Residency Spotlight" section of the Jan 11, 2022 edition of **ACEP NOW**. It included quotes from **Barry Knapp MD**, Program Director and **Leslie Kallevang MD**, EM-3.

## Fellowships

### **Emergency Medical Services (EMS) Fellowship Update: Don Byars, MD, Fellowship Director:**

The EMS Fellowship team has been hard at work over the past 3 months. In addition to our normal lecture schedule, Dr. Fox presented "Grief Life Support and Breaking Bad News" at the Tidewater EMS (TEMS) Quarterly Education Expo in January. Dr. Ford presented "Diving Emergencies" to Portsmouth EMS in March. Drs.' Lang, Byars, and Ford (and former EVMS EM resident and EPT member Martin Payne, MD) and Dr. Cutchins held an advanced airway day at the Sim Center at EVMS for all the SWAT medics in the area, that was attended by members from Norfolk, Portsmouth, Chesapeake, Virginia Beach, FBI, and SOCOM.

The EMS fellowship team is also working hard to develop whole blood transfusion protocols in the field for trauma. This will hopefully be rolling out this year, initially with Virginia Beach EMS and Sentara Nightengale. After initial rollout, we hope to make this system wide in all of the Southside EMS agencies. We are also involved with developing ultrasound in the field with EMS agencies in the TEMS region.

In regards to research, the EMS Fellowship had 2 poster presentations at the National Association of EMS Physicians (NAEMSP) conference in San Diego this past January. Drs'. Ford, Byars, Lang, and Martin attended the conference. We have also had 2 posters accepted for presentation at SAEM in New Orleans, "Adaptation of EMS Hypoglycemia Treatment in Response to COVID 19 Pandemic Supply Chain Disruption" and "Nitrous Oxide Revisited for Prehospital Pain Relief in the Opioid Crisis: A Retrospective Pilot".

### **Emergency Ultrasound (EUS) Fellowship Update: Don Byars, MD, Fellowship Director:**

It gives me great pleasure to announce that Drs.' Gallion, Landon, Feyzeau and Jones all received notification that they passed their Critical Care Echo Boards on, March 23, 2022. This is an amazing accomplishment for an entire fellowship program to pass the most difficult point-of-care ultrasound exam in the country! I am especially proud of Lauren and JD for taking on this difficult challenge as fellows – since there are many critical care physicians who fail this exam!! The critical care echocardiography exam is an examination for special competence administered by the National

Board of Echocardiography. We are among the very first emergency physicians in the country to meet this rigorous standard. Please give Team Ultrasound a high five if you see them on shift!!

## Upcoming Events

- **Journal Club:** Next JC is April 25, 2022 at 6:30pm.

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