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## Upcoming Events

Dr. Singer's Play, *Cutting Up*

**When:** October 9th

**Where:** Fifth Third Bank  
Theater, Cincinnati, OH

**For tickets visit,**  
[www.cincinnatiarts.org/events](http://www.cincinnatiarts.org/events)

## Department of Emergency Medicine eConnections:

**Facebook**  
[facebook.com/wsuemresidency](https://facebook.com/wsuemresidency)

**Twitter**  
[twitter.com/WrightStEM](https://twitter.com/WrightStEM)

**Instagram**  
[instagram.com/wrightstem](https://instagram.com/wrightstem)

**Website**  
<https://medicine.wright.edu/emergency-medicine>

## Submissions

*If you have any information you would like featured in an upcoming issue of the ED Update, please e-mail  
Cassie Browning at  
[cassandra.browning@wright.edu](mailto:cassandra.browning@wright.edu).*

## From the Editor's Desk

Greetings all. I hope this edition of the Wright State University *ED Update* finds you and yours well. The cycle continues, with another class of graduates heading out to their jobs, while the intern class slowly establishes their footing here in Dayton. Among the biggest news is the closure of Good Samaritan Hospital. Many of our graduates (and our Chair) dedicated much sweat and tears to providing care in that chaotic environment. The loss of that hospital as both a training site and as a tremendously important safety net for our community has already been keenly felt.



With the retirement of both Dr. Ten Eyck and Dr. Olson, and Dr. Pickett's move to Texas, the Department of Emergency Medicine is now actively seeking new faculty. Be sure and tell your friends! For all the latest on recent developments, please read on...



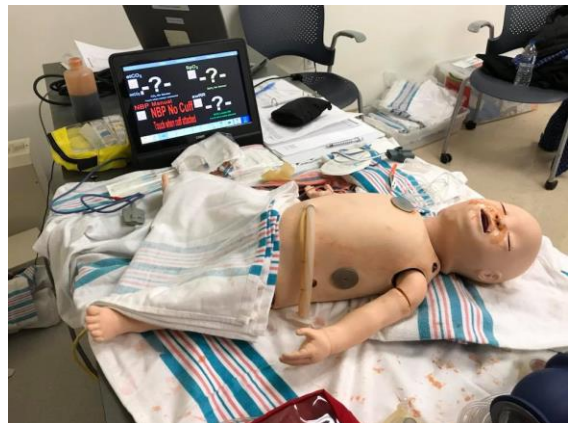


# Cassie's Bulletin

- Cassie Browning



## CAP Lab







# BBO





## Ohio ACEP

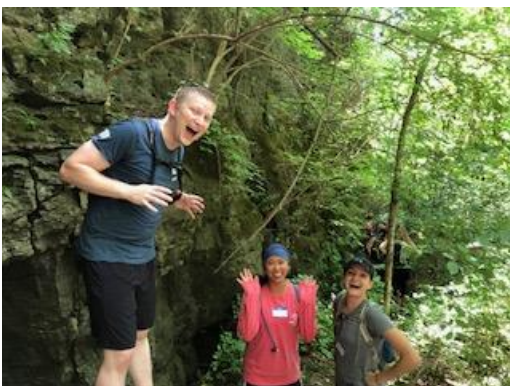


## Wellness Day





# Hiking and Young's Jersey Dairy





# MASCAL





## R3 Extrication Course

This fall our R3s had a great day of learning about extrication. A huge thank you goes out to the Kettering Fire Department for allowing our residents to come to their training center each year to learn about extrication.





# Graduation





# Congratulations to our 2018 graduates!

## *Emergency Medicine*

**Matt Arroyo, D.O.**

Miami Valley Emergency Specialists, Dayton, OH

**Ryan Babienco, M.D.**

Miami Valley Emergency Specialists, Dayton, OH

**Brent Balhoff, M.D.**

Our Lady of the Lake Regional Medical Center, Baton Rouge, LA

**Thomas Dailey, M.D.**

Travis AFB, Fairfield, CA

**Laura Field, M.D.**

Miami Valley Emergency Specialists, Dayton, OH

**Trenton Hansen, M.D.**

McChord Air Force Base, Tacoma, WA

**Christopher Huelsman, M.D.**

Emergency Medicine Specialists, Kettering Health Network, Dayton, OH

**Eugene Kang, M.D.**

Nellis Medical Center, Nellis AFB, Las Vegas, NV

**Dominic Kim, M.D.**

Malcolm Grow Medical Clinic, Joint Base Andrews,  
Prince George's County, MD

**Joshua Klepinger, M.D.**

TeamHealth, Upper Valley Medical Center, Troy, OH

**Lindsay Morrow, D.O.**

Keesler Medical Center, Keesler Air Force Base, Biloxi, MS

**Eric Mozeleski, D.O.**

Wright Patterson Medical Center, WPAFB, Dayton, OH

**Angela Palitto, D.O.**

Independent Contractor for Kettering Medical Center  
and Miami Valley Hospital, Dayton, OH

**Meagan Verbillion, D.O.**

Wright Patterson Medical Center, WPAFB, Dayton, OH

**Tanner Weigand, D.O.**

Emergency Medicine Specialists, Kettering Health Network, Dayton, OH

**Adam Welch, M.D.**

Emergency Medicine Specialists, Kettering Health Network, Dayton, OH

## *Sports Medicine Fellowship*

**Mark DeFord, M.D.**

Independent Rehab Consultant, Indianapolis, IN

**Frederick Harold, D.O.**

SJC Medical Group Inc., Richmond Hill, GA







## Class of 2021!



**Mara O'Sullivan, MD**  
University of Texas  
Medical School at  
San Antonio



**Jennifer Zambales, MD**  
Loma Linda University  
School of Medicine



**Chris Jester, MD**  
University of Kentucky  
College of Medicine



**Kristin Patterson, DO**  
A.T. Still University—  
School of Osteopathic  
Medicine in Arizona



**Aaron Brooks, DO**  
Rocky Vista University  
College of Osteopathic Medicine



**Kiley Maxheimer, MD**  
Southern Illinois University  
School of Medicine



**Kyle McClain, DO**  
Pacific Northwest University of  
Health Sciences College of  
Osteopathic Medicine



**Daniel Hutchinson, DO**  
Marian University  
College of  
Osteopathic Medicine



**Christopher Falslev, DO**  
West Virginia  
School of Osteopathic Medicine



**Megan Dillon, MD**  
University of Kentucky  
College of Medicine



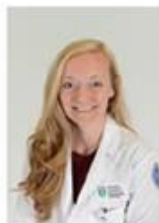
**Alexandra Ferguson, MD**  
The Ohio State University  
College of Medicine



**Ryan Grow, DO**  
Pacific Northwest University of  
Health Sciences College of  
Osteopathic Medicine



**Andrew Gurtis, MD**  
West Virginia University  
School of Medicine



**Sara Kocian, DO**  
Ohio Heritage  
College of Osteopathic Medicine



**Kelli Thomas, MD**  
Northeast Ohio  
Medical University



**Justin Dickson, DO**  
Arizona College of Osteopathic  
Medicine of Midwestern University



## Orientation Picnic and Annual Softball game







## Springer's Stuff

- Brian Springer,

### TEMS/EMS CHIEF

With a LOT of help from TEMS/EMS Chief Resident Steve Joyce, the EMS rotation has been revamped into a three-year experiential curriculum. Content includes hands-on ride time, MICU ride-alongs, Incident Command System mastery, on-line medical control, and optional flight time. Given the tremendous outpouring of time and effort from Dr. Joyce, the TEMS/EMS Chief role has been elevated to that of the other Chief Residents, with all the accompanying perks (few) and responsibilities (many!) Feedback has so far been excellent, and I hope to see us once again become a program well-known for its first-rate EMS opportunities.

With the assistance again of Dr. Joyce as well as Dr. Son Pham and recent graduate Dr. Chris Huelsman, we ran a 5-day Emergency Medical Responder class for the FBI Cincinnati Division SWAT team. Kudos to Kettering Fire Department for allowing us the use of their training facilities, tactical medic and ATC Austin List for his support, and Kettering Health Network EMS Coordinator Ryan Konkel for arranging to have Medflight land in the parking lot during the final field training exercise.



**Tactical Medics hard at work  
at OTOA 2018 Training  
Conference**

### OTOA

The 2018 Ohio Tactical Officers Association Annual Training Conference was another stellar success. We are the largest Tactical Law Enforcement conference in the country, and our tactical medical training is second to none. This year, I was able to recruit Dr. Alex Bedard to assist, and his knowledge and abilities as an educator were greatly appreciated. We brought in faculty from University of Cincinnati and Cleveland MetroHealth/Case Western University, and had 40 students attend our 3-day TEMS track. Oh, by the way...class size had been limited to 30! Shouts out to OSP Trooper Nadi Graham, Sidney PD Officer and ATC Woody Goffinett, Troy Lowe of Silverback Safety, and Chris Hudspeth from Tri-Med Tactical for all of their assistance.



## CLOSE TO HOME

Over the past year, Kim and I made a trip to the Bahamas (beautiful and relaxing) and to Florida to visit my parents, brother, sister-in-law, and niece and nephew (fun but stressful). We have a new nephew courtesy of Kim's brother. Will is very happy baby for whom even the ghastliest tantrum can be ended with a bouncy "pony ride" on the knee.

I just returned from my medical school 20-year class reunion at UT Southwestern in Dallas. It was actually quite an emotional experience walking from the parking lot to the lecture halls where I sat for my first classes back in 1994, and seeing old friends for the first time in two decades. Eating fabulous Texas barbecue was a treat; driving in torrential Texas rains as the highway flooded was not. I hope to make my next trip back to reconnect much sooner next time.

Brian L. Springer

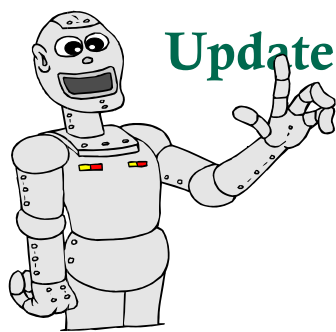


***Uncle Brian with Cameron & Maya***



***It's better in the Bahamas***





## Update from the Center for Immersive Medical Education and Research (CIMER)

- Ray Ten Eyck, M.D.

With the postponement of my retirement plans, the 2017-2018 academic year kicked off a new cycle of our established simulation curriculum. We added a few new sessions and realigned the MS-4 module to prepare for long term continuity of our program. Based on last year's success, we continued to incorporate simulation sessions into the small group schedule on a quarterly basis. With the recurrent ultrasound and ventilator management stations presented by Dr. Pennington and Dr. Sorenson respectively, we have been able to increase the hands-on exposure of our residents to critical emergency medicine skills. Over the past 8 months I have completed rewriting all of our high-fidelity simulation cases in the format needed for the current generation of mannequins. Although the process was time consuming, the improved software and a reexamination of each case provided the opportunity to create a library which should be easier for others to use. With the help of a grant from the Physician's Charitable Foundation of the Miami Valley, we recently purchased a SimMom. This addition provides a pregnant mannequin on which our residents can practice normal and complicated deliveries and deal with obstetrical complications.

Our interprofessional simulation sessions have expanded to incorporate respiratory therapy students, pharmacy students and nursing students from four institutions in our region. The Department of Emergency Medicine continues to be the go-to department for many of the medical student interest groups. This is a service which is only possible due to the strong support of a number of our residents including; Dr. Pham, Dr. Kissinger, Dr. Joyce, Dr. Sayers, Dr. Wojdan, Dr. Da Silva and (recent graduate) Dr. Babienko. With the enduring support of our faculty and residents, we continue to maintain a credible simulation program which supports our residency, the BSOM and numerous other programs in the region.

With full expectation that this will be my last update, I would like to express my gratitude for the chance to have served in this capacity. It has been a wonderful opportunity to learn, to serve as part of a great faculty and to interface with thousands of learners. Hopefully, our efforts have helped future generations of healthcare providers to emerge from their formal education a little better prepared to meet the needs of those they will serve.



**Ray's last SIM session**



# Emergency Medicine Research

Catherine A. Marco, M.D., FACEP

## Recent Publications:

Marco CA, Brenner J, Krauss C, McGrath N, Derse A: Refusal of Emergency Medical Treatment: Case Studies and Ethical Foundations. *Ann Emerg Med* 2017 Nov;70(5):696-703. PMID:28559033

Marco CA, Nelson LS, Baren JM, Beeson MS, Carius ML, Chudnofsky CR, Gausche-Hill M, Goyal DG, Keim SM, Kowalenko T, Muelleman RL; Research Committee, American Board of Emergency Medicine., Joldersma KB; American Board of Emergency Medicine.  
American Board of Emergency Medicine Report on Residency and Fellowship Training Information (2016-2017). *Ann Emerg Med*. 2017 May;69(5):640-652. PMID: 28442084

Kuhn G, Marco CA, Mallory MN, Blanda M, Kaplan JA, Schneider SM, Joldersma KB, Martin SI, Choo E: Financial Planning and Satisfaction Across Life Domains Among Retired Emergency Physicians in the United States. *Am J Emerg Med* 2018 Mar;36(3):508-510. PMID:28784258

Geiderman JM, Iserson KV, Marco CA, Jesus J, Venkat A: Conflicts of Interest in Emergency Medicine. *Acad Emerg Med* 2017 Dec;24(12):1517-1526. PMID:28688200

Chang SL, Patel V, Giltner J, Lee R, Marco CA: The relationship between ocular trauma and substance abuse in emergency department patients. *Am J Emerg Med* 2017 Nov;35(11):1734-1737. PMID:28705744

Marco CA, Mozeleski E, Mann D, Holbrook MB, Serpico M, Holyoke A, Ginting K, Ahmed A: Advance directives in emergency medicine: Patient perspectives and application to clinical scenarios. *Am J Emerg Med* 2018 Mar;36(3):516-518. PMID:28784259

Marco CA, Mann D, Rasp J, Ballester M, Perkins O, Holbrook MB, Rako K: Effects of Opioid Medications on Cognitive Skills Among Emergency Department Patients. *Am J Emerg Med* 2017; S0735-6757(17)30925-. PMID:29137902

Perina DG, Marco CA, Smith-Coggins R, Kowalenko T, Kohnson M, Harvey A: Wellbeing among Emergency Medicine Resident Physicians: Results from the ABEM Longitudinal Study of Emergency Medicine Residents. *J Emerg Med* 2018 (in press)

Marco CA, Wahl RP, House HR, Goyal DG, Keim SM, Ma OJ, Joldersma KB, Johnston MM, Harvey AL: Physician age and performance on the American Board of Emergency Medicine ConCert examination. *Acad Emerg Med* (in press)



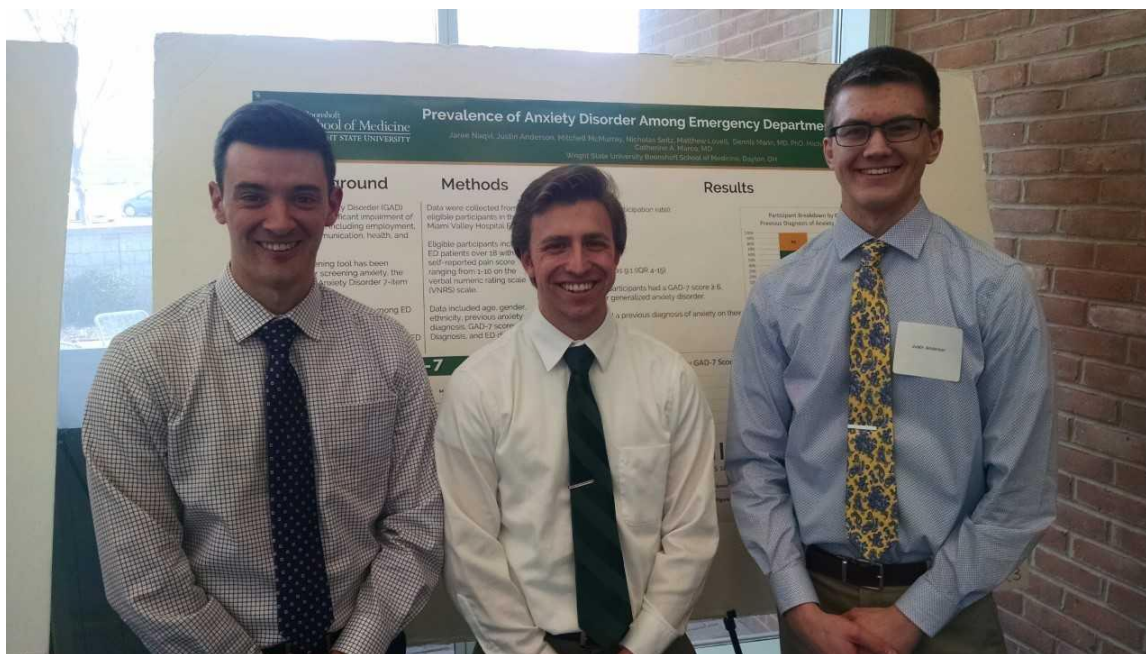
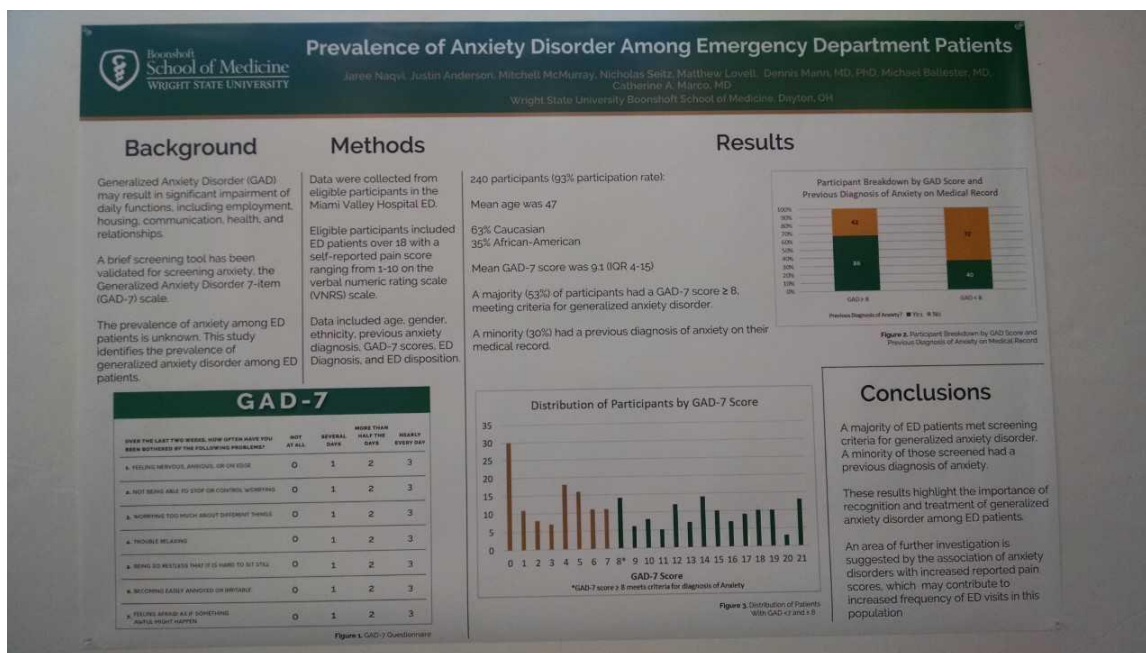
## News:

Emergency Medicine Research Presented at the Wright State University Boonshoft School of Medicine Research Symposium on April 11, 2018:

Marco CA, Mann D, Rasp J, Ballester M, Perkins O, Holbrook MB, Rako K: Effects of Opioid Medications on Cognitive Skills Among Emergency Department Patients.

Naqvi J, Anderson J, McMurray M, Seitz N, Lovell M, Mann D, Ballester M, Marco CA: Prevalence of Anxiety among ED Patients.

## Medical Student Research Symposium







# Research Results

- Jim Olson, Ph.D.

I officially retired from Wright State University in January 2017 and it's been nearly a year since I gave my last Fun with Statistics presentation at Journal Club. A lot has happened since then. First, we have been having a great time after our move to Maine. It turns out that the weather here is pretty much the same as in Dayton except that we get much more precipitation. Our property was covered with snow from the first week in December until mid-April. Second, my daughter-in-law gave us our first grandchild. Bennett James was born last May and our home quickly became a fulltime daycare center– a tiring pleasure. Third, spring, summer, and fall in Maine are glorious. We have spent a lot of time on road bikes or in kayaks watching the harbor seals on Casco Bay. Winter is great in Maine as well although I have yet to take advantage of the local ski areas or those that are just a few hours away in New Hampshire and Vermont. Fourth, if you want to get out of the quiet life in Maine, Boston is a 2 hr ride on Amtrak (or by car) and New York City is just a few more hours further. And last, the research and other science that I began at Wright State continues (see next page).





## The BEAT Goes On

Dr. Brian Tucker finished up the first phase of our Brain Edema And Trauma (BEAT) study at the end of his residency with a manuscript published in the Journal of Emergency Medicine in March 2017. The article has been read 20 times via Research Gate (about once every other day) and already has been cited in recent publications. Our study evaluated clinical characteristics of TBI patients presenting to MVH between 2005 and 2010 who had a bad in-hospital outcome. These data were presented at the Society for Neuroscience annual meeting in November 2017.

## Stroke of Genius

My last WSU Ph.D. student, April Daubenspeck, decided to look at biomarkers in stroke patients. In collaboration with Drs. Bryan Ludwig (Neurology) and David Cool (Pharmacology and Toxicology) April and I developed several panels of protein biomarkers which differentiate true stroke patients from patients with other diagnoses that present with stroke-like symptoms. Her results were presented at the American Heart Association International Stroke Conference. We recognized the potential for these results to be developed into a point-of-care rapid diagnostic test for stroke. The Vice President of Research has agreed to have University consultant lawyers develop a patent application to cover our discoveries.

## Science Olympiad

For fifteen of the thirty years we were in Dayton, my Friday afternoons were spent in a local high school where I coached (read: taught) members of their Science Olympiad team (<https://www.soinc.org/>). After our move to Maine, I again got involved with this great program. I ended up taking the job of head coach for a STEM high school that had never had a Science Olympiad team before. Our goals were to make it to the Maine state tournament and have some of our team members on the winning platforms. We achieved both and ended up overall in the middle of the roster of high schools. Not bad for our first year out.

## The Future Reflects the Past

So, I find that I've been doing much the same things in Maine that I was doing in Ohio, just with less stress, fewer deadlines and more miles on the road and over the water. The transition away from Wright State and the move to Maine initially was a challenge. I quickly found that retirement is a full-time job. Next year I plan on moving forward with all the projects I mention above as well as picking up a couple that I have left behind. I'm proud of my Wright State University past, miss everyone at Cox Institute, and I will keep in touch.



# FROM THE OTHER SIDE

- Jon Singer, M.D.



## EDITING

I continue to review for Pediatric Emergency Care. I just submitted a review that was the 97th I've performed since they initiated the computer tracking system. In return for my efforts, someone removed me from the listing of editors on the opening pages. Ain't that sweet! I also continue my editing for Up To Date. Like many of their early participants, I have abandoned clinical care. They've internally decided to retain the palsied, multi-med-taking, defunct-handed individuals as long as they meet deadlines (and offer insight.)

## BOUNCING IDEAS

I was elected Minute Taker several months back by my Monday Morning Writer's Group. After each meeting, generally in the accompaniment of my young grand-dog, I create a document of white lies which has amused those in attendance and those who had not made it around a table that morning. They are an amazing group of people, but the ranks are beset with chemotherapy and orthopedic fixations for degenerate or traumatic conditions. The group has done table reads of my various plays, making suggestions and adding corrections.

## PLAYS AND BOOKS

It's not science and it wouldn't count for academic publications, but I keep cranking out One- or Two-Act plays. I'm on the second one for 2018. Two plays created while I was still in the Department have/will make it to a stage. Waitlisted had a staged reading at the Fifth Third Bank Theater in March. On October 9th, 2018 Cutting Up will be performed. For Waitlisted, no one from Dayton was in the audience. Nearer to the event I will try to recruit you guys down the road. I filled the little black box with friends and family. WSU EM Residency grad Dr. Sean Bryant (and his son, Ben) attended in March. I'd love to see additional grads in October.

Cassie Browning has helped to bring two children's books to press this year via Lulu.com. They are 34 pages of humor with colored pencil illustrations. I'll not make it to 97 as the most current one is the 22nd. My pencils are dull and I'm unsure my mind can be sharpened.





# Mike's SOAPBOX



It's amazing how fast time flies since taking over as the Program Director here almost 3 years ago... So much has happened, and impacted our program for the better. We had an outstanding graduating class this past June, and welcomed the newest class of 2021! Good Samaritan's closure presented some interesting challenges, but we have come out very strong at Miami Valley Hospital, now completely running the entire Green Station side-by-side with academic and clinical faculty. The patient volume has risen, as has our opportunities to impact patients in our community with the best emergency medicine possible. I'm extremely proud of the resilience, dedication and teamwork shown by our residents as we continue our long history of excellence and manage the complex challenges the current health care environment presents.

In addition, this past spring we successfully completed our ACGME site survey; no small task in this new accreditation cycle. The process was extremely helpful in defining who we are, what we do well, and what are our short and long term goals. I am very proud of all of the staff and faculty who put in many hours in making the process successful. We have made positive changes to both our didactic and clinical curriculum, all in the consistent name of making our program stronger.

As we gather momentum heading into the interview season, I am continually reminded how fortunate we are to be able to practice emergency medicine and be a part of this community working in four different health care systems. We do well when we see above and beyond hospital politics, and focus on our patients that absolutely rely on us for our expertise, compassion and continual presence. I'm looking forward to showcasing Wright State Emergency Medicine to all the visiting medical students, and I am certain we will impress.



On a personal note—I was extremely honored and proud to see my son Mitchell play in Carnegie Hall in Manhattan with the National Youth Orchestra. The orchestra made their debut in NYC and then set out for a tour of Asia this summer. He is having a blast, and I had a great time hanging out in the City!



## CHAIR BROWN KNOWS

- James Brown, M.D.



Well, there have been a few changes around the department since the last Update. Most significantly for all of you would be the closure of Good Samaritan. Premier announced in mid-January that they would close Good Sam by the end of 2018. Their reasoning was an aging physical plant that would require significant investment, coupled with a surplus of beds in the city. The ED closed at noon on July 19th. I was fortunate to make the last radio call at 11:55 with Dave Gerstner on the other end. There wasn't a dry eye in the room! I've heard from many of you who saw the replay on social media and confessed to shedding a tear or two. I then went to see the last patient, brought by DFD while I was on the radio. It was an emotional time for everyone, with many of us concerned about the patients in the area. What particularly concerns me (a concern I expressed to Premier leadership the day the closing was announced) is the loss of OB services on that side of the river. There is now no L&D except MVH and KMC. Premier plans to demolish all the buildings on the campus except the parking structure. A very sad day for the community and the Department. On the positive side, almost all of the residents we had at Good Sam have moved over to the Valley, and the Green (old North) station runs more like an academic ED.

I finally let Ray Ten Eyck retire. Ray stayed on 2 years past his original retirement plans to continue to run the best simulation center in the country. I told him in the spring that if he stayed any longer, I would have to go to confession! Ray cleaned out his office in August after (in typical Ray fashion) getting us through another July of new interns. By the time you read this, he will be 'officially' retired. While we continue to search for a simulation Director (any of you know anyone???) I have tried to fill his chair. It is an impossible task, but I'm enjoying the extra time teaching the residents.

There has been a lot of talk about burnout in Emergency Medicine. What we do is hard! Many times it is frustrating. I've talked with several of you over the last few months about this issue. I'd like to leave you with two thoughts. The business literature says that one of the most important factors in job satisfaction is feeling that you are doing meaningful work. While I understand the frustrations of the day-to-day grind, most any person you ask outside of our field believes we do incredibly meaningful work! Ask any of your extended family what they think: I imagine most of them believe that what you do is amazing. Try not to take what we do each day for granted.

Along those lines, one of the most important contributors to happiness is gratitude. We all have a great deal to be thankful for. I would challenge you to find one thing each day to be grateful for, particularly if you are feeling burnt out. See what it does to your attitude. I bet you'll be pleasantly surprised.