

ED Update

Wright State Emergency Medicine Residency Department of Emergency Medicine

Volume 40, Fall 2017

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FROM THE EDITOR'S DESK

Greetings all! I hope this edition of the *ED Update* finds you and yours doing well. There have been some major transitions over this past year: both new and departing academic faculty, a robust presence from our military faculty, and (of course) graduating senior residents passing the baton to wide-eyed interns. Read on...

WELCOME

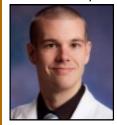
Welcome Class of 2020! We have a great new group of RIs that started July Ist. We also have two new R2s that we would like to welcome, **Eric Landman** and **Steven Joyce**. Welcome to the program!

We would also like to welcome our new residency coordinator, Jennifer lanni!





Eric Landman, DO Ohio University



Steven Joyce, DO Kirksville College of Osteopathic Medicine



Editor: Brian Springer, M.D.

Co-editor & Design: Cassie Browning

Wright State University Department of Emergency Medicine 3525 Southern Blvd. Kettering, OH 45429 Page 2 ED Update

Cassie's Bulletin - Cassie Browning



RESIDENT SPOTLIGHT

For our new segment, Resident Spolight, we are spotlighting R3 resident, Eugene Kang, M.D.

Where are you from? Suburbs of DC.

When did you first know you were interested in emergency medicine? During my fourth year medical school rotation.



How did rotations affect your decision?

Believe it or not, I was on the OB/Gyn path prior to being exposed to EM. After rotating through the ER, I knew I wanted to be an EM physician. I dropped all my recommendations and applied for an internal medicine PGYI year in Dayton Ohio and spent as much free time as I could in the ED during my intern year.

What are subspecialties within the field of Emergency Medicine that someone can get involved? Tox, EMS, Crit care.

Did you have any mentors along the way who helped shape your path?

Dr. Ballester, Dr. Johnson, Dr. Vojta.

What attracted you to the Dayton area, and what do you like most about the Dayton area?

I am a graduate of USUHS. Between the military bases this was a no-brainer. None of the other military hospitals (save UNLV) give you the immersive civilian experience. The civilian population is a much sicker population than the military. The number of hospitals we rotate at also give you the unique opportunity to care for a breadth of vastly different populations. There is also a lot of microbreweries which helped seal the deal.

What rotation has been your favorite and why?

Emergency medicine and critical care. Although not best teaching rotation, GSH ICU provides you with the privilege of treating the sickest people in Dayton with little to no supervision. It is a growing rotation and I can honestly say my time there made me the ER resident I am today. Anything they bring through those ER doors do not compare to being alone caring for 40 ICU beds filled with the sickest people in Dayton with little to no attending superivison. Talk about stress inoculation.

What advice would you give medical students who are interested in pursuing a career in Emergency Medicine?

Stay motivated, stay busy and keep a good attitude. That is worth way more than any fund of knowledge you bring to the table. And for god sake, don't wear a watch or at least don't look at it every 5 minutes. It makes it seem like you would rather be somewhere else.

What have you learned the most during your residency?

Emergency medicine?

Why did you choose the WSU Emergency Medicine program? See above.

What are your plans after graduation? Do you want to stay in the Dayton area?

I will go wherever the military tells me to.

R2 EXTRICATION COURSE

Last spring our R2s 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.















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GRADUATION

Congratulations to the Class of 2017!



Emergency Medicine

Doug Bias, M.D. - Emergency Medicine Specialists, Kettering Health Network, Dayton, OH **Sarah Bohn, M.D.** - Emergency Medicine Specialists, Kettering Health Network, Dayton, OH **Josh Burkhardt, M.D.** - Keesler Medical Center, Keesler Air Force Base, Biloxi, MS **Russ Day, M.D.** - University of Michigan Hospital, Ann Arbor, MI

Mackenzie Gabler, M.D. - Mike O'Callaghan Federal Medical Center, Nellis AFB, Las Vegas, NV Ben Holland, D.O. - Keesler Medical Center, Keesler Air Force Base, Biloxi, MS

Allison Houston, D.O. - Emergency Physicians, P.A. (EPPA) at Mercy Hospital, Coon Rapids, MN

Tyler Kallsen, M.D. - Wright Patterson Medical Center, WPAFB, Dayton, OH

Krystle Kern, D.O. - Emergency Medicine Specialists, Kettering Health Network, Dayton, OH

Rob Nichols, D.O. - Presbyterian Healthcare Services, Albuquerque, NM

Michael Oertly, M.D. - 51st Medical Group, Osan Air Force Base, Republic of South Korea

Haley Sauder, M.D. - Emergency Medicine Specialists, Kettering Health Network, Dayton, OH **Eric Schott, M.D.** - 96th Medical Group, Eglin AFB, FL

Prabu Selvam, M.D. - Langley AFB Department of Emergency Medicine, Langley AFB, VA

Deidre Witte, M.D. - Good Samaritan Hospital, Dayton, OH

Wency Zhao, M.D. - Good Samaritan Hospital, Dayton, OH

Sports Medicine Fellowship

Medicine in Cincinnati, OH

Kyle Ott, **M.D.** - Orthopedic Institute of Dayton /Kettering Sports Medicine, Dayton, OH **Alberto Maldonado**, **M.D.** - Beacon Ortho & Sports



Ball Ball Ballings







ORIENTATION PICNIC AND ANNUAL SOFTBALL GAME





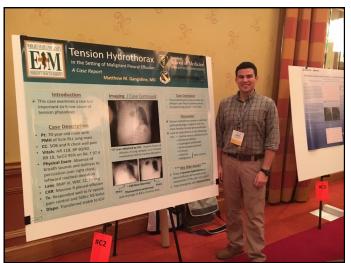




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OHIO ACEP











SPOUSE CLUB

Courtney Hansen and Julia Dailey have been organizing events for the Spouse Club. From having a night out at Raise Your Brush to planning a baby shower, the Spouse Club knows how to have fun! Thanks ladies for all your hard work and dedication to the Spouse Club.







CONGRATULATIONS!!!



Congratulations **Britta Hakkila** and her husband

Tom Hackett on the birth of their daughter. Ainsley Anne Hackett was born on

Monday, September 11,

2017 at 6:42 pm. She weighed 5 lbs. 11 ounces and was 19.5 inches long.



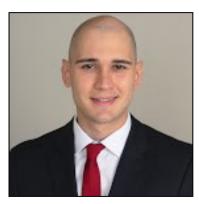


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Welcome Class of 2020!



Anthony Bertasi, DO Nova Southeastern



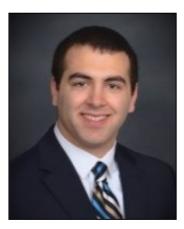
Josh Da Silva, DO Philadelphia COM



Matthew Gangidine, MD USUHS



Jeremy Brenneman, MD USUHS



Cory Davis, MD Michigan State



Alexa Gingras, DO Rocky Vista COM



Jared Brown, MD University of Colorado



Tim DeKoninck, MD Michigan State



Mark Gottschlich, DO Ohio University



Britta Hakkila, MD St. George's University



Connor McKinney, DO Rocky Vista COM



Daniel Shigley, DO Edward Via COM



Adrienne Krysiak, MD University of Oklahoma



Spencer Powell, MD University of Cincinnati



Jason Stickel, MD USUHS



Vincent Marsh, MD Medical University of South Carolina



Josh Sayers, MD Ross University



Michael Wojdan, DO Nova Southeastern

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2017 ALUMNI/ RESIDENT/FACULTY DINNER

This year's Annual Alumni/Resident/Faculty Dinner will be held at Carmine's in Washington D.C. The annual dinner is held during ACEP week. It is a great time for everyone to catch up. We hope you can join us!

FROM THE OTHER SIDE

- Jon Singer, M.D.



A MIND IS A TERRIBLE THING...

To waste on horrific dreams. Yet, no matter what I tell myself as I lay me down, the ghosts of the past wake me up. Typically in a cold sweat. There is the exam that's passed out and I can't understand the instructions. Or I attempt the first problem and can't do it. Or the lovely variant, being at your desk as the exam gets returned with a poor grade. I always see the number and it is in red and underlined. My second most unwelcomed category is the screwing up of either a direct patient encounter or participating in a trainee's screw up. After I awaken in a jolt and listen to the rhythmic rush of Ruth's CPAP I replay the encounter, either correcting sequences such as steps for a chest tube, or reconstructing the presentation and/or work up in order not to err. Then I attempt to sleep but I put my mind back in the E.D. or surgical unit. On a good night, I'll just be on call and anxious about impending potential disasters. Ruth tells me to think of naked women instead of a flattened witch under the corner of the house.



WHILE AWAKE A MIND...

Can wander fortuitously, which has the potential to create something if you happen to remember the thought AND then act upon the wonderment. I put my non-scientific writing efforts on that yellow brick road. With Cassie's help we've produced 4 of the 5, 2017 children's books. I should indicate to my wide, wide audience these brainstorms are available on Lulu.com website. With Alaine's help I've called up 5 existing plays from the dust pile and updated/modified portions that have been reviewed and critiqued by my Monday Morning Writer's Group. And in the midst of burying spring bulbs, I've cranked out a 15 minute (At Last, Will and the Testament) and a 10 minute (Grandpa Gets a Mini Mental) play.

KEEP ME IN YOUR MINDS....Jon

Military Maneuvers

Alan Dupre, MD Associate Program Director, Military

HAIL AND FAREWELL

This Spring we said goodbye to a great class of competent EM physicians who are going around the world to serve the U.S. Air Force. These graduates will undoubtedly contribute much to the specialty of emergency medicine for years to come while providing excellent care, in sometimes difficult circumstances, to the men and women in harm's way. We are very proud of the EM physicians they became.

With goodbyes comes the opportunity to welcome a new class to the WSU EM family. This year, we were able to accept eight new military residents and two additional civilian-sponsored military residents. The class of 2020 has already become a cohesive group that has shown their leadership within their class and within the residency.

A couple of faculty have also made transitions. **Dr. Pennington**, our ultrasound guru, has decided to separate from the Air Force. Fortunately, **Dr. Brown** convinced him to continue his contribution to the residency as a civilian faculty member. He will be working with **Dr. Kaelin**, who is returning to us after completing an ultrasound fellowship. We welcome her back and look forward to her contribution to the ultrasound teaching. **Dr. Bedard** has returned safely from deployment and has eagerly accepted the position of clerkship director on base.

GROWTH AND CHANGE

Wright-Patterson Medical Center has grown in volume and acuity, giving the base faculty unique opportunities to teach residents and medical students. As a result, all residents have started working a couple of shifts during each EM rotation on base. There, they will have an opportunity to work with the exceptional military medical students. Interview season for the military has already begun and these students have proven to be strong candidates applying to an ever more competitive specialty. We appreciate the enthusiasm that the residents and students bring to the base emergency department.

In addition to strengthening the military clinical training, **Dr. Scott** has been working diligently to revamp the military unique curriculum. He is bringing energy and insight which will lead to even stronger military officers graduating from the program. We are excited for the start of what should be a strong academic year.

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Springer's Stuff

- Brian Springer, M.D.

OTOA

Ohio Tactical Officers Association Annual Meeting and Training Conference continues to grow in size and quality. We had over 1000 officers in attendance, and we filled our TEMS class with 60 tactical medical providers from Ohio and surrounding states.

From close to home, I had the assistance of **Dr. Pickett** and **Dr. Schott**, along with tactical medics extraordinaire Woody Goffinett (Sidney PD) and Nadi Graham (OSP). Also participating were physicians representing Case Western, University of Cincinnati, and the Akron region. Attorney Thomas Anger from the Ohio AG's office was on hand, as was tactical medic Mike Stinson, who has trained many of our residents through his company Tri-Med Tactical.

TEMS

After a bit of a lull, tactical EMS participation among the residents has picked up and continues to gain steam. Being near ground zero in our national heroin epidemic has some advantages: our law enforcement drug units are very busy and always looking for medical support. Our faculty, residents, and affiliated tactical medics have been serving on the front lines as law enforcement tracks down traffickers and other criminals. We are there to enhance the safety of the officers, suspects, and the public.



Dr Schott instructs medics on providing care in an armored vehicle at the 2017 OTOA Training Conference.

GRADUATION

Graduation always gives me mixed emotions. I am proud to throw the eaglets out of the nest, but miss running into sick (and not so sick) patients' rooms with them, teaching them, and watching them grow into competent emergency physicians. **Dr. Schott** will be missed: he made it his mission to reach out to the residents and rekindle a broad interest in EMS and tactical medicine. Luckily, the energy and enthusiasm of the R-Is, as well as the growing confidence and focus of the newly-minted R-2s and 3s, will always keep me going.

Of course, the end of the 2016-17 academic year also saw the departure of **Dr. Pickett**, who has been my right-hand man since we started the Division of Tactical Emergency Medicine 8 years ago. While I wish him all the best in his (awesome) new endeavor, I can tell that you for EMS and tactical medicine here at WSU and in the region, his departure leaves a wound that will always be keenly felt.

BACK HOME

No big trips to report (although a Bahamas trip is on the calendar, provided Hurricane Irma has not obliterated the resort.) We visited friends in DC in the tumultuous days following the presidential election; it was heartening to see a smooth transition of power among so much turmoil.

Kim has been hitting the weights with me. 4 months ago, she could barely lift a 25-lb kettlebell off the floor; now she is pushing a loaded Olympic bar above her head. Pretty impressive. Looks like I need to keep in line or I might get my butt whupped.

Until the next edition...



Brian and Kim at Mt. Vernon, overlooking Washington DC.

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Emergency Medicine Research

- Catherine A. Marco, M.D., FACEP

CLINICAL RESEARCH UPDATE

Recent and upcoming Publications:

Marco CA, Cook A, Whitis J, Xidas J, Marmora B, Mann D, Olson JE: Pain Scores for Venipuncture Among Emergency Department Patients. Am J Emerg Med 2017 Jan;35(1):183-184. PMID:28153677

Marco CA, Cook A, Whitis J, Xidas J, Marmora B, Mann D, Olson JE: Variable Self Reports of Pain from Blood Pressure Measurement Among Emergency Department Patients. Am J Emerg Med 2017. Feb;35(2):349-350. PMID:27979418

Counselman FL, Beeson M, Marco C: Evolution of the Model of the Clinical Practice of Emergency Medicine: 1979 to Present. Acad Emerg Med 2017; 24:257-64. PMID:27859987

Counselman FL, Babu K, Edems MA, Gorgas DL, Hobgood C, Marco CA, Katz E, Marco CA, Rodgers K, Stallings LA, Wadman MC, Beeson MS, Keehbauch JM: The 2016 Model of the Clinical Practice of Emergency Medicine. J Emerg Med 2017. 52:846-49. PMID 28351510

Marco CA, Brenner J, Krauss C, McGrath N, Derse A: Refusal of Emergency Medical Treatment: Case Studies and Ethical Foundations. Ann Emerg Med 2017 (in press). PMID:28559033

Humphries AR, Mozeleski E, and Marco CA: Orthopedic Injuries. Trauma Emergency Medicine Reports 2017

Marco CA, Mallory MNS: ABEM Maintenance of Certification- What Do I Have to Do? Critical Decisions in Emergency Medicine (in press)

Kim D, Marco CA: Paraphimosis. Clinical Decision Support: Emergency Medicine (in press)

Marco CA, Lall MD, Wong ML, Schears RM: Physician wellness. ACEP Now 2017; 36(5): 13-14.

Sullivan W, Marco CA, Solomon RC: <u>Admit or Not?</u> Treatment of patients with pending blood cultures in the emergency department. ACEP Now 2017. 36(5): 1, 10.

http://www.acepnow.com/article/emergency-department-patients-pending-blood-cultures-admitted/?elq_mid=17991&elq_cid=3633708

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, Choo E, Kaplan J, Mallory MN, Marco CA: Financial Planning and Satisfaction Across Life Domains Among Retired Emergency Physicians in the United States. Am J Emerg Med 2017 (in press)

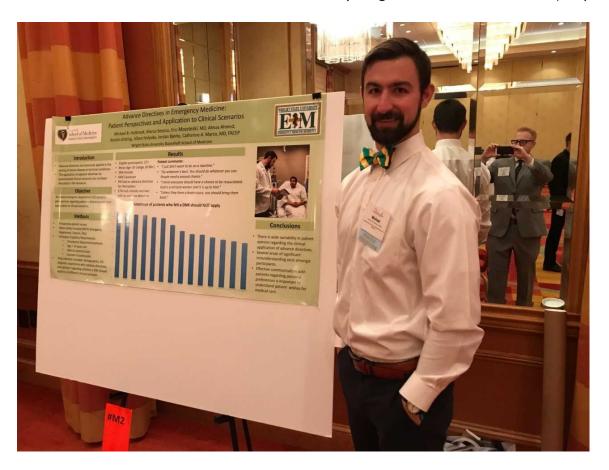
Geiderman JM, Iserson KV, Marco CA, Jesus J, Venkat A: Conflicts of Interest in Emergency Medicine. Acad Emerg Med (in press)

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 (in press)

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 2017 (in press)

NEWS

Congratulations to Michael Holbrook, Wright State University medical student, for winning the Medical Student Research Award at Ohio ACEP Residents Assembly, August 2017, Columbus Ohio. (see photo)



CURRENT RESEARCH PROJECTS

- I. Naloxone Use Among Emergency Department Patients with Opioid Overdose This is a prospective survey study to interview patients with opioid overdose and dentify patient perspectives on the prehospital use of naloxone. This study has been approved by to the IRB and data collection is underway.
- 2. Pain Scores and Relation to Anxiety Disorder among Emergency Department Patients This is a prospective study to screen ED patients for anxiety and measure pain scores, to identify any association. This study has been IRB approved and data collection in underway.
- 3. Consent for Emergency Treatment: Emergency Department Patient Recall and Understanding This is a prospective survey study to identify patients' recall and understanding of the consent for ED treatment document. This study has been IRB approved.
- 4. Effects of Pain Management on Cognitive Skills Among Emergency Department Patients This prospective study will identify any changes in cognitive skills among ED patients who are treated with opioid medications for pain control. Data analysis is currently underway.

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PICKETT'S AFTER ACTION REPORT - JR PICKETT, M.D.

New year, new adventures. The R3 EMS rotation is back up and running with an intensive month-long experience. It is my hope that this injects new energy into the EMS side of the residency program. Opportunities abound for the resident who has an interest in being involved in EMS. Our residents are serving as Assistant Medical Directors for fire departments throughout the region.

CAP Lab, our 11th since 2006, was a great success. Despite the move to springtime, it sold out again and feedback was universally glowing. Participation from WSU EM was outstanding. **Dr. Selvam** and **Dr. Palitto** knocked it out of the park with their tireless work to bring all the pieces together.

Dr. Schott earned the Greater Miami Valley EMS Council award for a graduating senior. He spearheaded the residency's EMS Interest Group, organized EMS training events, and contributed to the EMS Council and Regional Physicians Advisory Board. His impact in the region and this program will be felt for years.

This will be my last contribution to the *ED Update*. I have accepted a position as the Deputy Medical Director for Austin/Travis County EMS in Texas. Becky, the girls and I are moving to Austin in late August. We are all excited for the move and this new adventure in a vibrant city. Yes, I finally got my Physician Response Vehicle.

I have spent 12 years of my life at Wright State in one capacity or another: as a resident, chief, and as both clinical and academic faculty. It would be impossible for me to list all the people that have supported me and Becky along this road. It has been a true privilege to learn from all of you and I am incredibly grateful for the role you have all had in our lives. We will always be part of the WSU family and will miss you terribly.

I am going to leave you with some advice I recently gave to a friend, a nurse who is volunteering with Samaritan's Purse in Mosul who was questioning her purpose and impact there. I gave her some words that I hope sustain her, and you, in dark times.

"There are a great many evils in this world. You cannot hope to fix them all. But you are making a difference, one person at a time. History may not necessarily remember all the details of what you do, but certainly there are people who do. Most important is that old woman looking back at you in the mirror many years from now. That is why I joined the Army; I couldn't bear the thought of looking at myself and knowing that I didn't go. You are one person, one provider, but one of a great many people that are standing up to tyranny, to evil, to those who crush the innocent just because they can. People talk about doing God's work. Now you know what that really means."

j.r.















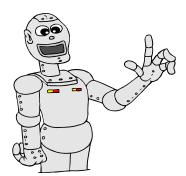








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Update from the Center for Immersive Medical Education and Research (CIMER)

- Ray Ten Eyck, M.D.

2017 started with a long-anticipated update of our high-fidelity simulation mannequins. Thanks to the mechanical maintenance skills of our two simulation technicians, **David Cherolis** and **David Shablak**, we extended the lifespan of our initial models about 4-5 years beyond reasonable expectations. With two new current generation mannequins and a SonoSim ultrasound machine, we can expand the fidelity of our cases and enhance the realism of ultrasound assessment. The downside has been incompatibilities between new and old equipment and the need to reprogram most of the 100+ cases in our library. However, we were ready to roll out the new format in time for our incoming R-1s and to start the academic year for our fourth-year medical students.

In April, we completed the initial year of interprofessional education (IPE) simulations between our third-year medical students and senior nursing students from the WSU College of Nursing and Health. After eight years of experience conducting IPE simulations with our residents and nursing students, we demonstrated that this can effectively be done with two student groups and thus provided a prototype to support the BSOM interprofessional curriculum.

With the support of **Dr. Mann**, we increased the frequency of resident exposure to simulation-based education by incorporating simulations into our core curriculum small groups on a quarterly basis. **Dr. Sorensen** developed an extensive ventilator management curriculum which he presented with great support from the Respiratory Therapy program at Kettering College. Our Air Force faculty members have further enriched the sessions with ultrasound modules.

Although the core simulation curriculum for our residents and medical students continues to be our primary mission, we had the opportunity to support several student interest groups with the help of our residents including **Dr. Oertly**, Dr. Palitto, Dr. Huelsman, Dr. Day, Dr. Bohn, Dr. Morrow, and Dr. Witte. Thanks to their willingness to volunteer time from their busy schedules and to Dr. **Brown's** continued support, our department has maintained a credible simulation program to support our residents, the BSOM and numerous other programs in the region.

Our record setting cadre of 18 RIs successfully completed their orientation block and have proved to be a very likable and talented group. We are looking forward to a full and productive year working with them and with our upper-level residents, preparing them to deal with the challenges of emergency medicine and helping them provide the best care possible to their patients.

CHAIR BROWN KNOWS



- James Brown, M.D.

The last few months have been filled with change here at the Department. I think it's the one bit of consistency – we're going to have change. The end of the year brings more than most, so let me update you on some of what's been going on.

Chris Kraft, our residency coordinator for a number of years, decided to semi-retire and become the scheduling person for the Miami Valley ED group. We've been very fortunate to get Jennifer lanni to replace Chris. Jen has come in with a host of ideas and energy. She and the residents seen to have taken to each other and I suspect this is the beginning of a great relationship.

Alan has already talked about some of the military transitions. One that worked out well for us was getting **Brian Pennington** onto the civilian faculty. He is taking over our ultrasound curriculum and things are already starting to move forward. Ultrasound has been an area where we've lacked a coordinator to put it all together for us. Brian has hit the ground running and I expect he will take us far. This is a new position funded by Kettering, thanks in no small part to the efforts of Tom Proctor and Nancy Pook.

JR Pickett, who has been our EMS coordinator for almost 6 years, left to take a position as Assistant Medical Director for Travis Co/Austin Texas. While this is a great opportunity for JR, it's been a blow to the program and to me personally. Judy and I had grown close to JR's family and referred to his and Becky's daughters as our 'twins' because they each were born exactly 50 years after us. Our loss is Austin's gain. So, if you know of anyone interested in an EMS faculty position – we're looking!

Speaking of looking, we've finally been able to post **Ray Ten Eyck**'s job. As many of you know – Ray has been trying to retire for the last year or so, but I won't let him go. Seriously, Ray has been generous enough to agree to stay until we can hire a replacement. Due to the University's financial issues, we had some trouble getting the job through all the wickets on campus. So if you know anyone who has an interest in simulation, send them our way!

Many of you have heard about the University's financial woes. The School of Medicine and the Department are both on solid financial ground, so we should be able to weather the storm without much trouble. In fact, we are growing. This year we added 2 temporary slots to the 2nd and intern classes. The spots in the second year were to accommodate 2 guys who transferred from the Summa residency in Akron. The 2 inter spots were filled with a couple of additional Air Force residents. So we currently have 52 residents in the program!

As a final note, the ACEP dinner is Monday night October 30th. I really look forward to this event every year and the opportunity to reconnect with many of you. I hope that if you are going to be in the DC area at the end of the month, you'll find time to come to dinner with us. I'd really like to get the chance to see as many of you as possible.