



# OSU RST NEWS

## NATIONAL RANKING FOR OUR RADIOLOGIC SCIENCE PROGRAMS!

We are very excited to report that our Radiologic Science programs are



gaining national attention through a variety of internet rating services. Graduate programs and Medical Schools are consistently ranked by US News and World Report however this service does not rate undergraduate programs. Thankfully several websites have begun ranking majors for undergraduates to allow them to select the best educational opportunities

based on accreditation outcomes, faculty productive, and cost/credit hour. So we are currently celebrating our ranking of the Radiation Therapy program. Study.com is service that ranks the top Radiation Therapy Schools in the United States. The best schools are based on their accreditation outcomes.

**This service lists The Ohio State University's Radiation Therapy program as #4 in the US!!**

For more information go to: [http://study.com/articles/Best\\_Radiation\\_Therapy\\_Schools\\_List\\_of\\_Top\\_US\\_Schools.html](http://study.com/articles/Best_Radiation_Therapy_Schools_List_of_Top_US_Schools.html)

We are also very excited about the ranking of our Diagnostic Medical Sonography program. The web service College Choice ranks sonography programs based on outcomes and cost for the degree.

**With a score of 99.47, The Ohio State University's Sonography program was ranked #3 in the US!!** This ranking was based on actual college freshman polled during a nationwide survey published by the Higher Education Research Institute at UCLA. These students rated academic reputation, financial aid offerings, overall cost of school, and the survey also took into account graduate success rates on the post-college job market.

For more information go to:

<http://www.collegechoice.net/rankings/best-ultrasound-technician-schools/>

Lastly, the MTS web services rates professors by their ability and passion for the professors who teach Radiography and Radiation Therapy. Based on this national survey, 15 professors were ranked by their A. Active teaching, B. Publications C. Professional affiliations D. Significant past clinical work.

**This web service ranked Dr. Kevin Evans as the #4 Professor to know in the US.**

University Level Advisory Committee on  
General Education



**Kevin D. Evans, PhD  
Professor & Director**

I have been very thankful to have been appointed, by the OSU Vice Provost of Academic Affairs, to an advisory committee on the quality of general education being offered at The Ohio State University. This blue ribbon committee was started several years ago and was named the University Level Advisory Committee on General Education (ULAC-GE). I began serving on the ULAC two years ago when Dr. Kay Wolf was named OSU Vice Provost for Academic Policy and Faculty Resources. My tenure on the ULAC has been reviewing the general education courses that are offered to OSU student, as part of their academic preparation for the major. We have also been looking at University advising for Freshmen and Sophomores so that they can clearly understand how to select general education courses.

This year, the Vice Provost selected me to be the Chair of the ULAC-GE and specifically we will be looking at how we can prepare for regional accreditation of the university (NCA). We also will begin the process of reviewing the GE courses that are offered. Many students now come with post-secondary credit from High School and other sources. We hope to begin a listening tour of the college units to determine how best to move forward and continue to provide **high quality education for all Ohio State students!**



## ENERGIZING EDUCATION



### Our rankings continue to climb due to our support from students, faculty, and alumni.

Recently we have been blessed to have received the **donation of a General Electric AMX 4 portable radiography machine**. This donation came from OSU East and provides our Radiography students with another method for simulation of portable patient positioning and equipment set-up. The use of simulation for preparing students has accelerated so that we can prepare students for their first clinical placement. With our E-value clinical portfolio system, the faculty is now providing 25-50% competencies for simulated exams in our labs. We are hoping this gives added confidence to our new students as they start their clinical rotations throughout Franklin and Delaware counties.

### We are also extremely thankful for a **donation of a Phillips IU 22 ultrasound machine** that we received from

Grant Medical Center. This new ultrasound machine donation has increased our ability to host all of our sonography students in the simulation lab at one time rather than multiple offerings throughout the day. The new Philips IU 22 came equipped with 2 transducers and protocols for vascular technology exams. We have already begun using the new machine for both juniors preparing for their first clinical rotation as well as seniors completing 25-50% competencies in Vascular Technology. We are so grateful to our clinical partners who continue to invest in our programs and help us grow our educational offerings.

The sonography lab has also moved into a bigger space so all students can scan at the same time. We also now have a Smart Board mounted on the wall for diagrams and teaching in the lab space. Simulation examinations for our Radiography, Sonography, and Radiation Therapy students are vital for helping them to gain confidence. **A linear accelerator is now available for simulation** in the former James Cancer Hospital. Simulation is something that has been adapted from the success of the Israeli air defense system.

*"In aviation, your first take-off is on a simulator. But in medicine, your first 'take-off' is on an actual patient. It seemed to me that the medical world had a lot to learn from aviation."* So began the Israel Center for Medical Simulation (MSR), a world leader in the field and already a model for similar centers in the US, Canada, and South America. This is not a new concept and we have tried to make it part of our university training process for all our programs. It gives our students more confidence and also skills that can be used early in their rotations.





## EXCELLENCE IN RESEARCH



Faculty and students collaborate through the  
Laboratory for Investigatory Imaging

**The hallmark of a university education is the ability to design project and conduct independent research.**

We are very fortunate to have our Laboratory for Investigatory Imaging as a place for faculty and students to work together to collaborate and contribute to our science. Teams have formed to consider a variety of projects and here is a list of some of our teams:

- ◆ *Evans, Tatarski, Hunter, Butwin and Mohammad –preclinical imaging data of ankle and bone.*
- ◆ *Evans, Spees, and Woldemariam –pilot data on the ultrasound measurement of visceral fat.*
- ◆ *Evans, Griffin, Stokes, and Tatarski -survey data on the self-reported workplace injuries among RTs and RTTs.*
- ◆ *Tatarski, Di Stasi, Boucher, and Evans – dissertation research on screening for ankle injuries among athletes who want to return to sport.*

This is not a complete list of projects but new funding has created these opportunities as well as an endeavor to determine how outpatient doctor's offices can be more efficient and have better workflow. Sommerich, Lavender, Sanders, and Evans will be working in local doctor's office to gather baseline data. **We welcome our newest undergraduate researcher-John P. Mickley.**

**“Mickley” is a junior in Health Sciences and as an honors student hopes to go on to Medical School.** John will be working to assist Dr. Evans in gather interview data, office metrics, photos, etc as part of a mixed method approach that feeds the research team with valuable data.

### HIGHLIGHTED LABORATORY OUTCOMES

- ◆ Zale, K.E., Klatt, M., Volz, K.R., Kanner, C. and Evans, K.D., 2015. A Mixed-Method Approach to Evaluating the Association Between Myofascial Trigger Points and Ankle/Foot Pain Using Handheld Sonography Equipment A Pilot Study. *Journal of Diagnostic Medical Sonography*.  
*Winner of the Kenneth R. Gottesfeld award for excellence in writing 2015.*
- ◆ Volz KR, Evans KD, Kanner C, Basso DM. Exploring Targeted Contrast-Enhanced Ultrasound to Detect Neural Inflammation: An Example of Standard Nomenclature. *Journal of Diagnostic Medical Sonography*. 2016; 1-11. [published On Line First].
- ◆ Volz KR, Evans KD, Kanner C, Buford JA, Freimer M, Sommerich CM. Targeted Contrast Enhanced Ultrasound for Inflammation Detection: A Review of Current Evidence. *Journal of Diagnostic Medical Sonography*.(in press).
- ◆ Woldemariam MH, Evans KD. Determining the Value of Abdominal Visceral Fat Thickness Measured with Sonography: Feasibility.  
*Winner 2<sup>nd</sup> place at the SDMS Annual Poster competition 2016.*



## RESEARCH HIGHLIGHTS

### LABORATORY FOR INVESTIGATORY IMAGING

#### **Meet our new Research Lab Manager, Rachel Tatarski!**

Rachel takes over the management of our research lab as of 1/1/17 and follows Dr. Kevin Volz in taking care of the day to day operations of the lab and associated imaging equipment. Rachel is a PhD candidate in the School of Health and Rehabilitation Sciences and is pursuing her doctoral degree with Dr. Evans as her dissertation advisor.

Rachel has been working very hard to master the art and skill of using diagnostic medical sonography to dynamically image the tendons and ligaments of the ankle. Rachel received basic training from Dr. Volz and then went on to become more skilled through her attendance and hands on scanning at the SUSME-Anatomy meeting and training with Veronica Hernandez, RDMS, RMSK-S.

Rachel has become a strong MSK sonographer as well as highly skilled Athletic Trainer. Rachel aspires to use her newly developed skills to enhance her role as an Athletic Trainer and make decisions on athletes returning to sport after acute ankle sprains. Rachel will be working with Dr. Evans and Dr. Di Stasi to come up with a series of studies that demonstrate the value of using portable ultrasound imaging to make the critical decisions

on whether athletes can return to participation after experiencing an ankle injury. *Rachel may be called a “non-traditional” user of ultrasound but she intends to prove that her use of this diagnostic tool is vital to prevent athletes from sustaining further injury.* This past summer, Rachel has been working in the Skeletal Biology Lab in Graves Hall to develop a rigorous scanning protocol that utilizes provocative testing completed by an AT, paired with the sonographic imaging of the anatomy.

**Rachel has had strong mentorship over the summer and fall semester by Dr. Randee Hunter.**

Dr. Hunter is a Clinical Assistant Professor who provides instruction within the Radiologic Sciences and Therapy Division as well as research in the IBRC and Skeletal Biology lab. Dr. Hunter has a background in imaging, as a practicing Nuclear Medicine Technologist. She has a PhD in Anthropology –Specializing in Skeletal Anatomy. Dr. Hunter has been assisting Rachel Tatarski in the development of her imaging protocol in a preclinical model and hopefully this will move forward to human application. Dr. Hunter is also providing similar support to Sundus Mohammad as she proceeds with her Undergraduate thesis on the use of ultrasound to measure cortical bone thickness. Dr. Hunter has CT measurements of the same bones which will allow for a comparison study.

**This looks like a powerful team of imaging researchers!!**



**Rachel Tatarski, MS, LAT,  
ATC  
PhD Candidate –HRS  
LII Lab Manager**



**Randee L. Hunter, PhD  
Clinical Assistant Professor**



## EXCELLENCE IN EDUCATION



**Grace Ashworth, Senior Radiographer; specializing in Mammography**

We are very excited to announce that **Grace Ashworth is planning to study in Hamilton, Ontario, Canada.** Grace will be planning her travel abroad over Spring Break: March 13-17, 2017 and visiting Hamilton Health Systems (HHS). She will be working with the Dean of Health Sciences at Mohawk College to be placed in HHS to observe how health care is delivered in the government sponsored health care system. HHS is the major clinical affiliate of Mohawk College's Radiologic Sciences programs. Lori Koziol, Dean of Mohawk has been the Director of the Radiography and Sonography programs so she will be a valuable asset in planning the clinics that Grace will visit.

Dr. Ted Scott, Chief Innovation Officer and Director of Strategy at HHS, is a close friend of Dr. Evans and he will make sure that Grace gets an interesting set of experiences with the Medical Center. Grace is very interested in Women's Health so the plan is to spend time in HHS's Radiography, Mammography, and Breast Ultrasound. Grace will be scheduling independent credit with Dr. Evans for this study abroad experience and will be writing a short paper on her experience. Some the questions that she will be responding to are: How is the Canadian Health Care system different from the private pay insurance system of the US? What practice differences exist between HHS and OSUMC for women's health care imaging? What improvements can be suggested for our practice of women's health care imaging in the US?

***Congratulations to Grace as she GOES GLOBAL!!***

### 2016 RADIOGRAPHY ALUM – “PAYING IT FORWARD!”

When Woody Hayes used the phrase, “paying it forward”, he likely was talking about alumni that were well established in their careers. His hope was to inspire OSU alumni to invest in the education of others so that all OSU students would have an equally high quality experience. In our case, **we feel so lucky to have had Kyler Dawson, BSRT(R) 2016 as a graduate of our Radiography program at OSU.** Kyler is currently working as a Radiographer at OSUWMC in the Department of Surgery. For two years, Kyler commuted from Jeffersonville, Ohio to Columbus to attend classes and clinical rotations. Kyler was an outstanding student and dealt with many hardships as part of his journey to graduation. It is no surprise that in his first year of work, Kyler contacted our office and offered a very generous gift. Kyler wanted to sponsor a Radiography senior to attend the 102<sup>nd</sup> RSNA meeting in Chicago, Illinois. Every year the Division works with seniors to plan the option of attending the Radiological Society of North America meeting. At the meeting, faculty help to facilitate interactions between seniors and global professionals to discuss innovative equipment designs. Kyler attended the 101<sup>st</sup> RSNA meeting with his classmates and felt that this was a pivotal experience for him and his career. Kyler's passion for the profession and our program pushed him to offer a sponsorship to the meeting, for a 2017 senior.



Leah Gomez, 2017 Radiography senior, found out about the Kyler Dawson sponsorship but just felt that there was no way that she could possibly win the financial gift. Leah is a hard working senior with similar hardships that she has overcome to progress in the program. Colleagues in the Radiography class felt strongly that Leah should get the sponsorship and decided to act. Three senior students wrote a letter to Kyler Dawson and explained who Leah Gomez was and why she was so deserving of his sponsorship. These amazingly selfless seniors (2 girls and 1 guy) authored a heartfelt letter to hopefully get Kyler's attention. ***IT WORKED!*** Leah Gomez is the senior Radiographer that will be sponsored by Kyler Dawson to attend the 102<sup>nd</sup> RSNA meeting in Chicago, Illinois. This is a wonderful set of events that speaks to the giving spirit our students and alumni demonstrate every day. **Thank you to Kyler Dawson, our trio of senior heroes, and of course – Leah Gomez, for portraying the spirit of Woody Hayes.** For more information on the annual RSNA meeting in Chicago, see this website: <http://www.rsna.org/>



## UPDATES ON EDUCATIONAL SUCCESS

### JRCERT ACCREDITATION FOR RADIOGRAPHY

We are very excited have submitted our Radiography self-study to the Joint Review Committee on Education in Radiologic Technology. Some of our delays were in the launch of the School's new website and the URLs that were needed as part of the self-study. We look forward to our site visit team coming to OSU and interviewing our faculty and students. If you have any questions about this process, **please feel free to contact Allison Stokes –Program Manager** at Stokes.215@osu.edu or her office phone: (614) 688-4768.

### LAMBDA NU –HONOR SOCIETY FOR THE RADIOLOGIC SCIENCES

**Lambda Nu (LN) is a national honor society for the radiologic and imaging sciences.** Its objectives are to:

- ◆ Foster academic scholarship at the highest academic levels
- ◆ Promote research and investigation in the radiologic sciences
- ◆ Recognize exemplary scholarship

We are thankful to have Gabriela Lemus as our President of the Alpha chapter of Lambda Nu at OSU. She is being assisted by Sundus Mohammad the LN Treasurer. Together Gabbie and Sundus are working with Dr. Evans to maintain the standards of our honor society. This year at our National Radiologic Technology Week celebration, we will inducting additional senior members to LN.



### Congratulations to this list of highly qualified honor society nominees:

- ◆ Jennifer Love—Sonography
- ◆ Kyle Schroeder—Radiography
- ◆ Grace Ashworth—Radiography
- ◆ Cassidy Tigner—Radiation Therapy
- ◆ Anna Meyer—Sonography
- ◆ Olivia Rozsits—Radiation Therapy
- ◆ Morgan Redrow—Radiation Therapy

### WELCOME TY FOUT BACK TO OUR FACULTY!

We are so excited to have Larry Tyler (“Ty”) Fout, MS, RT(R)(MR), back on our faculty as our MRI Instructor. **Ty is a graduate of our BS Radiography program ‘07, OSUMC MRI Training program ‘08, and most recently a MS in Allied Medical Professions 2013.** Ty’s MS was focused on the preclinical evidence of carpal tunnel syndrome development documented on MRI and Sonography. After completing his MS, Ty returned to clinical practice and was planning Radiation Oncology treatments with MRI images. Working in the new James Cancer Hospital was a huge clinical boost and really got Ty thinking about furthering his clinical career. So back to school, as Ty is now a graduate student in the OSU Nurse Practitioner program.



Ty has retaken the MRI senior course specializations and is also providing Clinical Coordination for the MRI students. Besides all this work, Ty is assisting Allison Stokes with the Radiography positioning labs for junior students. During Allison’s maternity leave, Ty will be providing back-up instruction and clinical visits to our Radiography sites. **We are thankful to have Ty back on faculty!**



## EDUCATIONAL OUTCOMES

### Points of Pride for our Radiologic Sciences Programs

- OSU's Lambda Nu Honor Society was the first chapter established in Ohio (alpha)
- Radiography is the 1st BS program in the US and started in 1971 –**44 graduating classes!**
- We had students in all three programs, pass their exams in the 95%!!!



### RADIOLOGIC STUDENTS INCREASE SIMULATION COMPETENCIES

This year our faculty discussed how we might be able to use E-value to increase our ability to use simulation of clinical exams so that junior students would feel more comfortable and also be more useful in the clinical sites. So our Clinical Coordinators began working with E-value to rework our competency categories so that we could provide simulations in our Atwell labs for new students. **This fall was the launch of our simulation competencies with faculty doing specific 25-50% competencies for junior students in lab.** In

specific cases, we also have seniors in Vascular Technology and Radiography doing simulations for examinations in either the lab or in clinical sites to complete requirements for graduation. We appreciate feedback from our sites on the impact that may have for students.



### LOOKING FOR A WAY TO GET INVOLVED?

We invite you to get involved with our students by giving to the Development fund, guest lecturers, offering a clinical internship, etc. We

want to give our students a variety of experiences so feel free to engage with some of the brightest minds that our professions can offer.

Some clinical preceptors obtain benefits from our programs...it is worth checking out our rewards program.

Who wouldn't want to work with OSU students about to go into clinical practice?

**Renewing football tickets and need to donate?? Use our fund number: 307893**

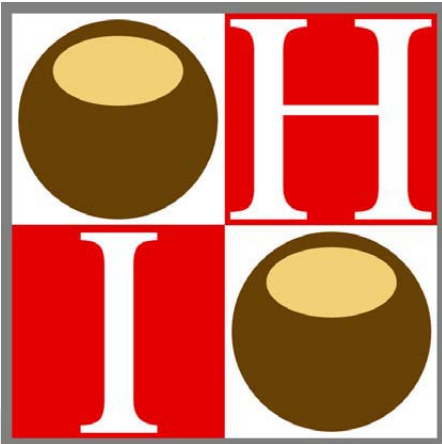
**Contact Dr. Evans at 614-688-4535. We would love to get you involved with our programs.**





EXCELLENCE IN CONTINUING EDUCATION

**2017 COUS/Ohio State CME Saturday-palooza!!**



**SAVE THE DATE**

**SAT. February 11th**

Welcome: Jody Kutney-Lead Sonographer OSU

- ◆ Dr. Bloomenfeld -Uterine pathology from ultrasound imaging, CT imaging to surgery, to surg path reporting.
- ◆ Dr. Elkahammaus -Liver Transplantation: A Surgeon's perspective
- ◆ Dr. Patrick Warren -Echoencephologram
- ◆ Dr. Barker -Aorta/Spleen and retroperitoneal masses
- ◆ Dr. Lenobel -Shoulder MSK
- ◆ Dr. Dittmar -Liver Ablations
- ◆ Cindi Petersen –Administering CEUS

**Food provided for all participants; Parking in OSU Visitor Garage at your cost.**

**Sponsored by several ultrasound equipment vendors!**

**Registration Opens December 15th**

**E-mail: [CentralOhioUS@gmail.com](mailto:CentralOhioUS@gmail.com) to reserve your seat!**