Alvin Crawford Keynote Speaker at Graduation

Physician’s role transforming with technology—diagnostic and personal devices

Alvin Crawford, MD, professor emeritus in pediatrics and orthopaedic surgery at the UC College of Medicine, was the keynote speaker for the 2016 Honors Day ceremony at the Aronoff Center on May 28, 2016. Honors Day is the annual ceremony at which members of the graduating class are hooded, signifying the completion of their studies for the Doctor of Medicine (MD) degree.

The Class of 2016 consisted of 169 students who were awarded medical degrees and will be entering residency programs in 29 U.S. states and the District of Columbia; 39 percent of the class will be staying in Ohio for their primary hospital residencies. Of those, 20 students will complete all or a portion of their residency at the University of Cincinnati Medical Center and eight will complete pediatric residencies at Cincinnati Children’s.

“Many challenges await you. Despite these challenges, physicians now can benefit from technology that has led to improved laboratory testing and diagnostic body imaging accuracy along with advances in molecular genetics, pharmacogenomics and stem cell research,” said Crawford to the graduates.

“Technology will be the differentiator in the marketplace. The role that the physician plays has to transform from teach and preach to really thinking about how you create health information for the human that is with you for less than one percent of their life,” said Crawford.

Crawford encouraged the graduates to get back to the basics of medicine. “Always strive to provide treatment that is best supported by evidence. When equally efficacious treatments exist, provide the one with the least risk. If the outcomes and risks are equal, offer the treatment with the lowest cost.”

“One-third of North Americans in medicine today have parents born elsewhere, including Asia, the Middle East, Africa, Europe and Latin America. Look around you and the faces will reflect the changing colors of America. You are a rainbow of cultural, ethnic, educational and geographic diversity uniquely equipped to carry on the practice of our profession,” said Crawford.

Crawford’s speech was received by his audience, which included a former patient and a new College of Medicine graduate, Kelsey Ann Kapolka.

Kapolka was a high school sophomore when she first saw Crawford for spina bifida, a condition that affects the spine

continued on page 3
As 2016 comes to a close, most of us reflect on the past year and the things we accomplished as well as the goals that did not come to fruition. In regard to our department, we have many accomplishments to celebrate.

I am sure you will be delighted to know that the residency program continues to flourish. Dr. Asghar assumed the role of Program Director last year when Keith Kenter transitioned to Western Michigan as their new Chair. To support Dr. Asghar, Dr. Grawe stepped into the Associate Program Director role. That team, partnering with Kim Reising, the Program Coordinator, has been outstanding. Last year in the national residency match, we filled our five slots by the 11th candidate on our list. This is unprecedented, and is a tribute to the hard work of the Asghar / Grawe / Reising team. In line with our success of matching great candidates, the residents continue to perform exceptionally in all domains, serving as the “focus” of our department. There is no element more central to the faculty and alumni than our residency program, and it is a program for which we all should be incredibly proud.

From a clinical standpoint, the department continues to develop. In the Hand Division, Dr. Michael Wigton joined the Department in August. Michael was a medical student at UC, trained at Allegheny General Hospital in Pittsburgh with a hand fellowship at Wake Forest in North Carolina. Dr. Wigton is a welcome addition and has gotten off to a great start. In late 2015, the department welcomed Tony Guanciale back to the faculty. With a desire to teach residents and build a clinical spine research program, Dr. Guanciale decided to leave private practice after five years at Christ Hospital. Everyone in the department was ecstatic to have Tony back, and he immediately immersed himself into the education program, quickly becoming a favorite of the residents.

As everyone in Orthopaedic Surgery is aware, Dr. Stern’s hand fellowship is world-renown. In order to ensure that tradition continues, Dr. Kevin Little has agreed to take over as the Director of the Hand Fellowship in the 2019 academic year. Dr. Stern and I have no doubt that Kevin will carry an already spectacular fellowship to new heights! Many of you are probably aware that our VA faculty had dwindled to near extinction; however, with the guidance of Dr. Freiberg and a strong partnership with the VA leadership, we have added three new faculty to the VA in the last 15 months. Drs. Dinesh Thawrani, Chirag Berry and Krishna Reddy provide our residents with a full complement of staff at the Cincinnati VA, and allow us to increase our clinical visits and surgical volumes for that rotation.

As would be expected of a highly motivated academic faculty, recognition outside the department is not uncommon. This past year, Dr. Peter Sturm completed his MBA and has put that skill set to use at Cincinnati Children’s Hospital Medical Center, continuing to grow and develop the Crawford Spine Center. Dr. Jim McCarthy served as the President of POSNA (Pediatric Orthopaedic Society of North America) this past year. I know for a fact that Jim was a great ambassador for the department as he carried out his presidential duties. Dr. Ferhan Asghar was recently accepted in the AAOS Leadership Fellows Program which is a highly competitive (10 fellows per year) development program designed to help nurture the future leaders of the AAOS and Orthopaedic Surgery.

I am sure you can feel the enthusiasm I have for our department and alumni. The faculty and residents have done so many things to make us proud, and this newsletter highlights just a few. I will close my remarks with the same statement I plan to end with in each edition: As our alumni, we want you to be proud of your Orthopaedic heritage and help us continue the legacy that the Freiberg family started more than a century ago.

Have a wonderful 2017.

Sincerely,

Michael T. Archdeacon, MD, MSE
Peter J. Stern Professor and Chair
Department of Orthopaedic Surgery
Hand Surgeon Wigton Joins Department

Please join us in welcoming Michael Wigton, MD, to the Department of Orthopaedic Surgery at the University of Cincinnati. Dr. Wigton is a fellowship-trained orthopaedic hand surgeon including microvascular surgery and reconstruction and is ABOS board-eligible. He treats disorders of the upper extremity extending from the brachial plexus through the fingertips with a specific interest in traumatic disorders, post-traumatic complications, arthritic disorders of the hand and upper extremity, upper extremity vascular disorders, peripheral nerve injury/repair and thoracic outlet syndrome.

Dr. Wigton is proud to have roots in the Tri-State area as he completed his medical degree at the University of Cincinnati College of Medicine (2010) after completing his undergraduate studies at the University of Dayton (2006). He went on to complete his orthopaedic surgery internship and residency at Allegheny General Hospital in Pittsburgh, Pennsylvania (2010-2015). His subspecialty training was completed in Hand, Upper Extremity, and Microvascular Surgery at Wake Forest Baptist Medical Center in Winston Salem, North Carolina (2015-2016). He joined the UC Department of Orthopaedic Surgery and Sports Medicine in August 2016.

He is a candidate member of the American Society for Surgery of the Hand and the American Academy of Orthopaedic Surgeons and is actively involved in the education of orthopaedic surgery residents and hand surgery fellows. He believes in collaboration and staying on the cutting edge to provide the best patient care. He continues to stay abreast of new technology and techniques and actively participates in research to help further the field with the goal of exceptional patient care and outcomes.

Outside of work Dr. Wigton enjoys spending time with family, running, golfing, cooking, and exploring all the Tri-State has to offer.

WELCOME 2016-17 FELLOWS

HAND

Elizabeth (Lisa) King, MD
Dennis Lee, MD

RESEARCH

Brendan Southam, MD

PRIMARY CARE SPORTS MEDICINE

Bret Betz, MD
Timothy Burns, MD

Quotes from Dr. Crawford’s Graduation Keynote

- “Equal efforts should be afforded to getting to know as much about the individual the disease attacks as the disease that attacks them…”
- “Every failure gives one the opportunity to begin again more intelligently.”
- “Smartphone apps and wirelessly connected medical devices are creating real-time data and enabling real-time interventions.”

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Story reported by Cedric Ricks, UC AHC Public Relations
Sideline Medicine Focus of Comprehensive, Hands on Symposium

Sports Medicine Division develops guided education on managing the injured athlete

On Saturday June 11, 2016 the Division of Sports Medicine, Department of Orthopaedic Surgery held a half-day symposium entitled “Becoming a Successful Team Physician: Tips and Tricks” designed to help immerse and educate the participant regarding strategies behind becoming a successful team physician. The goal of the symposium was to reinforce both basic and advanced skills, necessary for providing high quality medical care for the injured athlete. The format included didactic lectures as well as practical "hands-on" demonstrations. The overarching objective was to provide the most up-to-date information regarding the practice of sideline medicine.

Dr. Brian Grawe, Associate Program Director for the Orthopaedic Surgery Residency program, and Dr. Stephen Dailey, Program Director for the Emergency Medicine Sports Medicine Fellowship housed in the Sports Medicine Division, designed the course for the PGY-2 and PGY-3 orthopaedic residents and incoming sports medicine fellows. These individuals were targeted since they assume team physician responsibilities for high school football teams each fall.

In the past a Grand Rounds panel discussion, from our Division, has been utilized to relay this information to the residents. It was felt that all would benefit from an expanded, more comprehensive and hands-on symposium, thus providing guided education on the “how to” of managing the injured athlete on the sideline. The atmosphere of the symposium offered a safe and effective learning environment for trainees, before assuming responsibility for a high school team. Another goal was to make the residents more aware of the education value behind team coverage.

“...the symposium was a great education benefit, on a myriad of levels, and allowed everyone to learn about sideline medicine in a more controlled environment,” states Dr. Brian Grawe.

“Continuing a successful community outreach program with our high schools is vital to the success of our department and health system, therefore we should put the time and effort into making it successful. I would hope this symposium goes beyond diagnosing an “ACL tear” to extend into building a successful practice, becoming the leader of a health care team, and ultimately closing the gap in the subspecialty education of Sports Medicine,” Dr. Grawe adds.

SPORTS MEDICINE DIVISION

Since 2003, the Sports Medicine Division has provided the highest quality of care and service for athletic teams throughout the Greater Cincinnati-Northern Kentucky region—from high schools to colleges and universities and professional sports organizations.

• UC Health has the highest percentage of Sports Medicine Fellowship-trained orthopedic and primary care physicians in the region.
• UC is the only academic program in the area that provides Fellowship training to both orthopedic and primary care physicians in the last year of their medical training.
• UC has experienced Sports Medicine physicians who have provided care to athletes ranging from Little League through professional and Olympic levels.
• All of the Division's Orthopaedic surgeons and Primary Care sports medicine providers are board certified.
"Becoming a Successful Team Physician: Tips and Tricks"

The symposium day began with a series of lectures. Dr. Angelo Colosimo shared his ground rules for being a successful team physician. Dr. Colosimo is the Director of Orthopaedic Services for the Cincinnati Bearcats and team physician for Beechwood High School.

Dr. Stephen Dailey, head team physician for Miami University Division 1 sports and team physician for Northwest High School, also shared many things learned from over 20 years in sports medicine.

Dr. Grawe addressed the importance of building the high school sports medicine care team and where the team physician fits in. Dr. Michael Donaworth reviewed how to build a successful emergency action plan (EAP). Dr. Grawe covers FC Cincinnati, the Western Southern Open, and Loveland High School. Dr. Donaworth covers UC Bearcats Basketball, the Western Southern Open, and Campbell County High School.

Dr. Dailey reviewed helmet use and how to safely remove them.

Next the symposium covered evaluation and management of sideline emergencies including facial trauma and head and neck injuries. This portion also allowed the residents and fellows to learn how to effectively backboard an injured athlete and how to manage the prone athlete.

Dr. Jon Divine, Head Team Physician for the Cincinnati Bearcats and Team Physician for Walton Verona High School, addressed how to appropriately evaluate the concussed athlete and the athlete with an injured cervical spine. Dr. Divine leads the UC team striving to mitigate the incidence of concussion through a multidisciplinary approach. The team has developed and implemented an aggressive concussion mitigation program that has reduced the concussion rate among UC football players by 80%. That rate — 1-3 concussions per season — is far below the national per-season average of 9-13 concussions per team.

Next speakers reviewed the evaluation and management of the injured shoulder or elbow, hip, knee and ankle.

Closing topics included how to perform a successful evidence-based preseason history and physical and when to refer the athlete to the emergency room versus a Saturday morning clinic.

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2017 Calendar of Events

**MARCH**
- AAO Annual Meeting
  - March 14-18, 2017
  - San Diego, CA
- Freiberg Society Alumni Reception (at AAOS)
  - March 17, 2017
  - 6:30-9:00 p.m.
  - Manchester Grand Hyatt Hotel
  - San Diego, CA
- Match Day
  - March 17, 2017

**APRIL**
- Edward H. and Carol W. Miller Visiting Lectureship in Orthopedic Surgery
  - April 8, 2017
  - Joseph P. Iannotti, MD
  - Cleveland Clinic
- Mid-America Annual Meeting
  - April 19-23, 2017
  - Amelia Island, FL

**MAY**
- POSNA Annual Meeting
  - May 3-6, 2017
  - Barcelona, Spain
- D.J. Frank Lectureship
  - May 4-6, 2017
  - Josh Jacobs, MD
  - Rush University Medical Center
- Trauma-101 Symposium
  - May 11-13, 2017
  - Clearwater, FL
- Ohio Orthopaedic Society Annual Meeting
  - May 18-19, 2017
  - Dublin, OH
- AMSSM Annual Meeting
  - May 18-23, 2017
  - San Diego, CA
- Louisville-Indianapolis-Cincinnati Hand Conference
  - May 19, 2017
  - Cincinnati, OH

**JUNE**
- Chief Resident Graduation
  - June 16, 2017
  - Covington, KY
- AOA Annual Meeting
  - June 20-24, 2017
  - Charlotte, NC

**JULY**
- AOSMM Annual Meeting
  - July 20-23, 2017
  - Toronto, ON Canada

**SEPTEMBER**
- ASSH Annual Meeting
  - September 7-9, 2017
  - San Francisco, CA
- Freiberg Family Lectureship
  - September 30, 2017
  - Craig Della Valle, MD
  - Rush University Medical Center

**OCTOBER**
- OTA Annual Meeting
  - October 11-14, 2017
  - Vancouver, British Columbia
- NASS Annual Meeting
  - October 25-28, 2017
  - Orlando, FL
- 2017 Crawford Lectureship
  - TBD
  - Cincinnati Children's Hospital Medical Center

**NOVEMBER**
- AAHKS Annual Meeting
  - November 2-5, 2017
  - Dallas, TX
Krishna Reddy, MD, joined the Cincinnati Veterans Affairs Medical Center as an orthopaedic staff attending surgeon and Assistant Professor in the Department of Orthopaedic Surgery at the University of Cincinnati College of Medicine as of October of 2016. Prior to joining the VA, Dr. Reddy completed an orthopaedic sports medicine fellowship under the guidance of Angelo Colosimo, MD, at the University of Cincinnati. In 2015, he fulfilled an Orthopaedic Oncology Fellowship at Vanderbilt University in Nashville. Dr. Reddy is a Fellow of the prestigious Royal College of Surgeons of Edinburgh, obtaining his intercollegiate specialty board certification in Orthopaedics and Trauma (FRCS-Trauma & Ortho). He completed his orthopaedic residency in India in 2001.

Dr. Reddy is a volunteer team physician for the University of Cincinnati athletics. He resides in Cincinnati with his wife, Suma, daughter Esha (12) and son Aryan (9).

Dinesh Thawrani, MD, is currently Assistant Professor in the Department of Orthopaedic Surgery at the University of Cincinnati; he joined the Cincinnati Veterans Affairs Medical Center as an orthopaedic staff attending surgeon in December of 2015. Prior to joining the VA, he served as a faculty member at the Edward Via College of Osteopathic Medicine in Blacksburg, Virginia. Dr. Thawrani completed a clinical fellowship in spine surgery at Cincinnati Children’s in 2012 under the guidance of Peter Sturm, MD. He completed consecutive pediatric orthopaedic surgery fellowships at NYU–Hospital for Joint Diseases in New York, New York, in 2011, and at Gillette Children’s Hospital in St. Paul, Minnesota, in 2010. Dr. Thawrani is board certified through the Diplomat National Board (DNB) in Orthopaedic Surgery in India; and is board-eligible through the American Board of Orthopaedic Surgeons (academic pathway).

Chirag Berry, MD, joined the VA Medical Center as a staff attending orthopaedic surgeon, and the Department of Orthopaedic Surgery at the University of Cincinnati as Assistant Professor in January of 2016. He completed a clinical fellowship in spine surgery at Cincinnati Children’s under the guidance of Peter Sturm, MD, in 2015. In 2014, Dr. Berry fulfilled a pediatric orthopaedic clinical fellowship at Massachusetts General Hospital (MGH-Harvard); and a spine surgery clinical fellowship at Boston University Medical Center in 2013. In 2012, he completed a Spine Research Fellowship at the Medical College of Wisconsin. Dr. Berry completed his orthopaedic residency in India in 2010.

Chris Casstevens, MD
Hand & Microvascular Surgery
University of California, San Diego

Carrie Heincelman, MD
Orthopaedic Trauma
Indiana University, Methodist, Indianapolis

Wendy Ramalingam, MD
Pediatric Orthopaedic Surgery
University of Colorado, Denver

Tyler Keller, MD
Adult Reconstruction
Northwestern University, Chicago

Haroon Hussain, MD
Hand & Upper Extremity
The Philadelphia Hand Center, Philadelphia

Cincinnati Magazine Top Doctors
Cincinnati Magazine produces an annual Top Doctors list. The magazine asks over 5,000 local physicians who they would recommend (other than themselves) if “you, a family member, or a friend needed medical attention.” Physicians receiving five or more recommendations make the magazine’s published list. The following department members were 2016 Top Doctors:

Steven Agabegi, MD
Michael Archdeacon, MD
Ferhan Asghar, MD
Barton Branam, MD
Roger Cornwall, MD
Brian Grawe, MD
Anthony Guanciale, MD
Todd Kelley, MD

Toan Le, MD
Kevin Little, MD
James McCarthy, MD
Charles Mehlen, DO
Joel Sorgor, MD
Peter Stern, MD
Junichi Tamai, MD
John Wyrick, MD
**NEWS BRIEFS**

**Stern Honored for Dedication to Hand Surgery Education**
Peter Stern, MD, professor, was the recipient of the A. Lee Osterman Excellence in Education Award at the 2016 ASSH Annual Meeting. The goal of this award is to annually recognize an ASSH member who has dedicated his or her career to the advancement of hand surgery education. The worthy candidate will have demonstrated excellence in educating students, residents, and fellows as well as other hand surgeons.

**Boyce Award to Stern, Franko**
Peter Stern, MD, professor, and Orrin Franko, MD, former hand fellow, were co-recipients of the Joseph A. Boyce Award for the presentation of “Ethyl Chloride is ineffective as a topical analgesic for common hand injections” at the ASSH Annual Meeting in Austin, Texas on September 28, 2016.

**Jaquith Wins Fellow Award**
Congratulations to Brad Jaquith, MD, who received the J. Whit Ewing Resident Fellow Essay Award at the 2016 AANA Annual Meeting for his paper entitled “Predictors of Recurrent Patellar Instability in Children and Adolescents following First-time Dislocation.”

**Miller on Advisory Council**
Ashley Miller, MD, has been selected to serve as a member of the Ohio Orthopaedic Society Residency Advisory Council.

**Casstevens Thesis Recognized for ‘Best Paper’**
Congratulations to Chris Casstevens, MD, as the recipient of the “Best Paper Award” at the 2016 DJ Frank Conference for his thesis paper entitled, “The Role of Notch Signaling in Satellite Cell Differentiation and Muscle Growth in Elbow Contracture Following Neonatal Brachial Plexus Injury: Immuno-histochemical Analysis in a Murine Model.”

**Crawford Presents in Prague**
Alvin Crawford, MD, emeritus professor, presented the following at the 51st Annual Scoliosis Research Society Meeting in Prague, Czech Republic on September 21-24, 2016.

- **Presentation at Upcoming Meetings**
  The following abstracts have been selected for presentation at upcoming meetings:

  **2017 AAOS Annual Meeting in San Diego, California**
  - High Incidence of Stress Shielding and Radiolucent Lines with a Novel Total Knee System
    Poster Presentation
    Brendan Southam, MD; Amanda Schroeder, MD; Todd Kelley, MD
  - Clinical Outcomes following Total Shoulder Arthroplasty: A Comparison of Two Systems
    Poster Presentation
    Amanda Schroeder, MD; George Kuntz, IV, BS; Brian Grawe, MD; Keith Kenter, MD

  **2017 Mid-America Annual Meeting in Amelia Island, Florida**
  - High Incidence of Stress Shielding and Radiolucent Lines with a Novel Total Knee System
    Poster Presentation
    Brendan Southam, MD; Amanda Schroeder, MD; Ryan Finnan, MD; Frank Avilucea, MD; Michael Archdeacon, MD
  - High Incidence Rate of Distal Femur “Golf Club” Deformities using Contoured Locking Plates
    Podium Presentation
    Brendan Southam, MD; Frank Avilucea, MD; Amanda Schroeder, MD; John Wyrick, MD; Ryan Finnan, MD; Toan Le, MD; Michael Archdeacon, MD
  - Poor Outcomes for Obese Trauma Patients who Sustain Orthopaedic Fractures: A Retrospective Cohort Study
    Poster Presentation
    Brendan Southam, MD; Katherine Bowers, PhD; Amanda Schroeder, MD; Jane Khoury, PhD; Mekibib Altaye, PhD; Toan Le, MD; Michael Archdeacon, MD; Frank Avilucea, MD
  - The Impact of Intravenous Tranexamic Acid on Pre- and Postoperative Hematocrit in Isolated Acetabular Fractures: A Prospective, Randomized, Double-Blind Pilot Study
    Poster Presentation
    Amanda Schroeder, MD; Todd Kelley, MD; Frank Avilucea, MD; Caleb Philips, PhD; Michael Archdeacon, MD
The University of Cincinnati Department of Orthopaedic Surgery provides this news and updates for its alumni, current members and supporters.

For information, contact the editor, Shelley Hess, at shelley.hess@uc.edu