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Graduate Medical Education

2018

Graduate Medical Education Annual Report 2017-2018

Children's Mercy Hospital

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Graduate Medical Education

ANNUAL REPORT 2017-18



Children's Mercy

LOVE WILL.



Fast Facts FY 2018

Inpatient Care

Admissions	15,198
Average Length of Stay	5.9
Average Daily Census	268.9

Inpatient Average Daily Census

Medical – Surgical	124.4
Intensive Care Nursery	66.1
Pediatric Intensive Care Unit	37.0
Fetal Health Center	1.8

Specialty Clinic Visits

Adele Hall Campus	180,348
CM Hospital Kansas Campus	56,661
CM College Blvd.	25,830
CM Northland	25,777
CM East	10,128
CM Blue Valley	4,620
Primary Care Clinics	76,200
Other	34,065

Total Clinic Visits **413,629**

Emergency/Urgent Care Visits

Adele Hall Campus Emergency Room	68,303
CM Hospital Kansas Emergency Room	41,407
CM Blue Valley Urgent Care	25,460
CM East Urgent Care	33,942
CM Northland Urgent Care	31,713

Total Emergency/Urgent Care Visits **200,825**

Surgical Procedures

Inpatient	4,322
Outpatient	15,822
Total Surgical Procedures	20,144

Employees **8,219**

Table of Contents

- 4 | Graduate Medical Education Overview
- 10 | Pediatric Residency
- 14 | Medicine/Pediatrics Residency
- 16 | Fellowship Programs
- 30 | Medical Students
- 32 | Faculty Development
- 38 | Continuing Medical Education
- 42 | Library Services
- 44 | Professional Development
- 46 | Honors and Awards
- 48 | Contact Listing
- 50 | Fast Facts

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Graduate Medical Education

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Leadership



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President and Chief Executive Officer



Charles Roberts, MD
Executive Vice President/Executive Medical Director
Professor of Pediatrics
University of Missouri-Kansas City
School of Medicine



Denise Bratcher, DO
Chair, Graduate Medical Education
Designated Institutional Official
Associate Dean and Professor of Pediatrics
University of Missouri-Kansas City
School of Medicine



Susan Hathaway, PhD, MAEd
Vice Chair/Administrative Director
Graduate Medical Education
Associate Professor of Pediatrics,
University of Missouri-Kansas City
School of Medicine





Children's Mercy Kansas City

is one of the United States' leading free-standing independent pediatric medical centers, offering 366 licensed beds, more than 40 subspecialty clinics, a level I pediatric trauma center, and a level IV neonatal intensive care unit. We are consistently ranked among the best children's hospitals in the nation by U.S. News & World Report, and we were the first hospital in Missouri or Kansas to receive Magnet designation for excellence in patient care from the American Nurses Credentialing Center—an honor we have received four consecutive times.

In academic affiliation with the University of Missouri-Kansas City and the University of Kansas, our more than 750 pediatric subspecialists provide clinical expertise, leadership in medical education to the physicians of the future, and cutting-edge pediatric medical research to discover treatments and cures for tomorrow.

Children's Mercy is nationally recognized for innovation in creating a family-centered environment that is focused on the unique needs of hospitalized children and their families. Our Continuing Medical Education program has received accreditation with commendation from the state of Missouri.

Mission

The mission of the Department of Graduate Medical Education (GME) is to improve the health and welfare of children by shaping and inspiring learners through leadership, innovation and advancement of the finest pediatric medical education programs.

Vision

Committed to creating a culture of excellence in medical education.

Values

- Accountability
- Caring Service
- Diversity and Inclusion
- Highest Quality Care
- Learner-centered
- Respect
- Trusting Collaborations

Overview



One of our general pediatrics teams rounding.

Philanthropy

Over the last few years, the Department of Philanthropy has worked with Graduate Medical Education to increase the availability of funds from donors for use in our educational efforts.

One example of this is the K Endowed Fund for Graduate Medical Education. The K Fund was established thanks to a generous gift from the David Woods Kemper Foundation honoring the contributions of Jane Knapp, MD, former medical chair for Graduate Medical Education at Children's Mercy Kansas City. The fund derives its name from the "K" in Kemper, Knapp and Knowledge. In addition, Dr. Knapp has generously matched all contributions to the fund.

Currently, funds are designated so that residents and fellows may request additional funding for projects which should elevate their academic profile, or meet critical training needs that are not otherwise covered during training.

We have additionally established a process by which K-Fund allocations must be matched by the division in which the trainee is trained. GME made its inaugural allocations from the K-Fund this year. The award recipients included:

- **Alyssa Stoner, DO**, 2nd Year Pediatric Critical Care Fellow - \$600 grant to assist with travel expenses related to presenting her "Code LITE" research at the Pediatric Academic Societies Annual Meeting and the International Pediatric Simulation Symposium.
- **Dr. Stoner**: "I utilized this funding to travel abroad to present my research project involving resident education utilizing simulation. My abstract was accepted to two international meetings and without the K-Fund, I would have had to decline at least one of the invitations. The K-Fund provided me with the opportunity to present my research at the Pediatric Academic Society meeting in Toronto, Canada, in addition to presenting it as an award candidate poster in Amsterdam, Netherlands at the International Pediatric Simulation Symposium Workshop. Not only was I able to represent

Children's Mercy on an international level, but I was able to make new contacts and increase my exposure to the simulation education world. It was a great experience and the opportunity would not have been possible without the K-Fund."

- **Nick Townley, MD**, 3rd Year Neonatology Fellow - \$720 grant to assist with travel expenses related to presenting his QI work on "Capturing Unplanned Extubations" at the Pediatric Academic Societies Annual Meeting.
- **Dr. Townley**: "My quality improvement project was to track and classify unplanned extubations (UPE) in the NICU through an apparent cause analysis (ACA) process. The results helped us find trends and engage staff on improvement for our top causes of UPEs. Thanks to the K-Fund Award, I was able to present this work at the Neonatal QI Symposium at the 2018 PAS meeting in Toronto. Throughout this process, I was able to gain experience with designing, implementing and presenting QI work at a national conference on a current hot topic in ICU care."
- **Antoinette Adjowa Walker, MD**, 2nd Year Pediatric Gastroenterology Fellow - \$500 to assist with travel and housing for a rotation at the Hospital for Sick Children in Toronto, Canada.
- **Dr. Walker**: "I would like to thank the members of the K-Fund for this award. I am a gastroenterology fellow with plans to sub-specialize in intestinal rehabilitation. The K-Fund award has allowed me to travel and complete a rotation at a major intestinal rehabilitation and transplant center for further education in this specialty, helping further my education for my future career goals."

Another gift through the Dr. Robert Charles Thompson Endowed Fund for Pediatric Residency will allow for additional opportunities at the residency level.

Diversity Work

Why is diversity important to Children’s Mercy? Because in 2010 half of all newborns were classified as racial or ethnic “minorities” and recent census projections indicate that by 2020 approximately 45 percent of all children will belong to racial and/or ethnic “minority” groups. Children from racial and ethnic minority groups have poorer health care outcomes across a spectrum of disease states and conditions when compared to non-minority children.

“Strength lies in differences, not in similarities.”

– Stephen Covey

Diversity in the physician workforce impacts quality of care received by patients as race concordance between patients and physicians results in better communication and increased satisfaction. Additionally, language concordance has been positively associated with adherence to treatment. According to Stephen Covey, “Strength lies in differences, not in similarities.” Diversity is critical for an organization’s ability to innovate and adapt in a fast-changing environment. It is essential to the growth and prosperity of any company because it breeds business success.

Headed by Bridgette Jones, MD, Chair, and Denise Dowd, MD, MPH, Co-Chair, the mission of the Diversity, Equity and Inclusion Committee is, “To improve the recruitment and success of diverse Children’s Mercy faculty and trainees and to overall facilitate policies and structures that support diversity, equity and inclusion in the Department of Pediatrics and throughout Children’s Mercy so as to improve the lives of today’s and tomorrow’s children.” This committee is doing just that.

The key initiatives for 2017-18 included the creation of a Graduate Medical Education Sub-Committee. Under this sub-committee an Under-Represented Minority Visiting Medical Student Rotation was created with funding by the Black Healthcare Fund. There are three funded positions for 2018 with one being a Children’s Mercy supported

position. Additionally, an under-represented minority faculty member is serving on the selection committee for the Pediatric Residency. During recruitment season, “coffee meetings” are being offered to under-represented in medicine (UIM) candidates to meet with UIM faculty/trainee and a list of UIM faculty/trainees available to meet with applicants has been provided. Other initiatives for 2017-18 included a partnership with the Student National Medical Association (SNMA) at UMKC, Implicit Bias Training for Children’s Mercy Leaders/Program Directors and two Grand Rounds presentations covering the topics, “Health Disparities in Neonatal Outcomes” and “Diversity Initiatives.”

Plans for 2018-19 include partnerships with historically black colleges and universities, the National Medical Association, and networks of diversity faculty/trainees.



Bridgette Jones, MD



Jaszianne Tolbert, MD (rotation director) and Desta Watson (rotation coordinator) with MERCY+ ME rotating student.

“Mercy + ME is a great way to explore the Children’s Mercy residency program. Through the elective, I was able to interact with residents, fellows, physicians, and various health care professionals who allowed me to see how wonderful Children’s Mercy is. This was a great experience that I would highly recommend to anyone considering Children’s Mercy for residency!”

– Peris Nganga

Mercy + ME

The Children’s Mercy Kansas City Minority Elective program (Mercy+ME) provides qualified fourth-year medical students who have historically been under-represented in medicine (UIM) an opportunity to experience the outstanding pediatric training that Children’s Mercy provides. This unique program was designed by the Children’s Mercy Kansas City Faculty and Trainee Equity, Diversity and Inclusion Committee with the overarching goal of increasing exposure of UIM medical students to clinical and research

opportunities in academic medicine, in addition to encouraging students from diverse backgrounds to apply to the Children’s Mercy Kansas City Pediatric Residency Program. The program is supported through grant support from the Black Community Fund (BCF), an affiliate of the Greater Kansas City Community Foundation. Its mission is to provide support and leadership to enhance socio-economic aspects of the African-American community in the Greater Kansas City area.

Staff Accomplishments

Joanna Bradley – State Historian for Missouri State Society Daughters of the American Revolution; Elected Senior State President for Missouri State Society Children of the American Revolution; Graduated cum laude with a bachelor’s degree in sociology, minor in psychology. Veterans Day Planning Committee at Children’s Mercy.

Sarah Braet – Co-Chair for the Children’s Mercy Wichita Clinic Council and Co-Chair, APPD 2017 Regional Conference.

Denise Bratcher – Accepted into the AAMC GME Leadership Course Feb. 2018.

Jill Edwards – APPD Coordinator Mentoring Workgroup, Table Talk Facilitator and 2017 Regional Conference Co-Chair.

Susan Hathaway – Chair of Children’s Mercy Education Steering Committee.

Shelby Kaup and Rachel Laws – Received C-TAGME Certification.

Kadriye Lewis – Program Faculty for National Institutes of Health (NIH) R25 Grant - An Immersive Experience in Medical Genomics, PIs: Sarah Soden, MD, Emily Farrow, PhD; Grant Number: 1 R25 HG009651-01A1 (Award: \$128,705); Co-PI for the Collaboration for Vaccination Education and Research (CoVER) Grant – Pfizer Healthcare Quality Improvement and Education, PI: Barbara Pahud, MD, MPH (Award: \$500, 000).

Jennifer Lyon – “Health Literacy Challenges and Opportunities: Bringing Children’s Mercy and Kansas City Together.” NNLM/MCR Immersive Workshop Funding. Project Director. Co-Project Directors: Knackstedt A, Butler C, Rudder B, Reddy M. National Networks of Libraries of Medicine – MidContinental Region. (Award: \$14,000).

Teresa Shepherd – Chair of the Innovation in Continuing Education Award committee for the Alliance for Continuing Education in the Health Professions organization.

Publications

Arnold L, Cuddy PG, **Hathaway SB**, Quaintance JL, and Kanter SL. How a Medical School that Focuses on Developing Outstanding Clinicians Prepares Students to Become Major Leaders in the World of Medicine. *Academic Medicine*. 2017.

Bratcher D. (1997, 2002, 2008, 2012, 2015, revised 2018) Bacillus Species (Anthrax), in Long SS, Prober CG, and Pickering LK (eds): Principles and Practice of Pediatric Infectious Diseases, ed. 1,2,3,4,5. New York, NY, Churchill Livingstone, Inc.

Bratcher D. (1997, 2002, 2008, 2012, 2015, revised 2018) Other Corynebacteria, in Long SS, Prober CG, and Pickering LK (eds): Principles and Practice of Pediatric Infectious Diseases. ed. 1,2,3,4,5. New York, NY, Churchill Livingstone, Inc.

Bratcher D. (1997, 2002, 2008, 2012, 2015, revised 2018) Other Gram-Positive Bacilli, in Long SS, Prober

CG, and Pickering LK (eds): Principles and Practice of Pediatric Infectious Diseases. ed. 1,2,3,4,5. New York, NY, Churchill Livingstone, Inc.

Ference M, Paprocki E, Boyd J, Butler DF, **Bratcher D.** Case 4: Muscle Rigidity in a 5-year-old Boy. *Pediatrics in Review*. 2018 May;39;262.

Michael JG, Weston SM, Donohue CM, Tarantino CA, Sherman AK, Findlay WL, **Lewis KO.** Comparing the Effectiveness of Self-directed Video Tour Versus an Attending-led Tour in Pediatric Emergency Department Orientation. *J Contemp Med Edu.*, 2018; 6(2): 26-33.

Warring CD, Pinkney JR, Delvo-Favre ED, Renner MR, **Lyon JA**, Jax B, Alexaitis I, Cassel K, Ealy K, Hagen MG, Wright EM, Chang M, Radhakrishnan NS, Leverence RR. Implementation of a Routine Health Literacy Assessment at an Academic Medical Center. *Journal for Healthcare Quality*. Nov. 2017.

Presentations

Bratcher D. Presentation: ID Week 2017: Infectious Diseases Society of America Annual Meeting. Pediatric Infectious Diseases Society Fellows’ Day. San Diego, CA, Oct. 2017.

Edwards J, Bialkowski M, Hudson T, McCartney S. Workshop: Got Wellness? How Multiple Programs Approach Coordinator Wellness in the Workplace, APPD, Atlanta, GA, April 2018.

Clark SE, Lee BR, Williams SE, **Lewis KO**, Humiston SG, Middleton DB, Pahud BA. Poster: Vaccine

Knowledge, Attitudes, and Hesitancy among Residents in Pediatric and Family Medicine Programs. Annual Conference on Vaccinology Research, Bethesda, MD, April 2018.

D'Aiello A, **Lyon JA**. Poster: "Conducting a Scoping Review on Mind-Body Medicine in Pediatric Oncology." International Congress on Integrative Medicine, Baltimore, MD, May 2018.

Edwards J, Katherine Adams K, Bialkowski M, Hicks A, Teresa Hudson T, McCartney S, Mitchell, E, Del Rosario A. Teamwork Makes The Dream Work: How a Group of Coordinators Made Mentoring Possible. Association of Pediatric Program Directors, APPD, Atlanta, GA. April 2018.

Hathaway SB and **Bratcher D**. Workshop: Promoting Excellence and Collaboration across the Continuum of Medical Education. ACGME Annual Educational Conference, Orlando, FL, Feb. 2018.

Lewis KO, Byrne P. Workshop: The Foundation for Assessment: Writing Measurable Performance Objectives. ACGME Annual Educational Conference, Orlando, FL, April 2018.

Lewis KO, Albold C. Workshop: Value-Based Program Evaluation in Graduate Medical Education. ACGME Annual Educational Conference, Orlando, FL, March 2018.

Lewis KO. Workshops and Plenary Fostering Academic Resilience in Medical Students; Building Capacity for Continuous Improvement in Medical Education; Academic

Honesty in the Digital Age: Trends and Realities Among Medical Students; Instructional Design: Active Learning Strategies for Engaging Medical Learners and Innovations in Medical Education: Technology-Infused Educational Practices and Competency-Based Education. Hospital de los Valles, Universidad San Francisco De Quito College of Health Sciences. Cumbaya-Quito, Ecuador. April 2018.

Lewis KO, McVay-Dyche J. Workshops: Interactive Online Modules: Connecting the Dots through an Instructional Design and Interactivity Scale; and Judging Students' Performance: Are We Too Lenient or Severe When We Grade Our Learners in Online Courses? Online Learning Consortium International Conference, Orlando, FL, Nov. 2017.

Lewis KO, Demiroz E, Albold C, Mahan, JD. Workshop: Examination of an Online Nutrition Curriculum from an Instructional Design Perspective. Online Learning Consortium International Conference, Orlando, FL, Nov. 2017.

Lyon JA, Price C, Saragossi J, Tran CY. Paper Presentation: Evaluating the Consistency and Quality of Search Strategies and Methodology in Cochrane Urology Group Systematic Reviews. MidContinental Chapter of the Medical Library Association Annual Conference, Columbia, MO, Oct. 2017. (Awarded 2017 Best Research Paper MCMLA).

Lyon JA. "Doctor Speak" for Medical Librarians: An Introduction to Laboratory Tests, Medical Imaging,

and Common Drug Types." Medical Library Association Continuing Education Course. Becker Library. Washington University St. Louis, MO, Jan. 2018.

McVay-Dyche J, **Lewis KO**. Universal Design for Learning: Implementing Inclusive Design Strategies to Remove Barriers to Learning in Online Courses. Pre-Conference Workshop presented at the 23rd Annual Online Learning Consortium International Conference, Orlando, FL, Nov. 2017.

Pahud B, Williams SE, Clark S, Lee BR, Humiston SG, Middleton D, **Lewis KO**. Poster: Vaccine Knowledge, Attitudes, and Hesitancy among Residents in Pediatric and Family Medicine Programs. Pediatric Academic Societies' Annual Meeting. Toronto, Canada, May 2018.

Riss R, Dilts JJ, **Lewis KO**. Workshop: Creating A Technology Infused Curriculum. Academic Pediatric Association Region VI Annual Meeting, Omaha, NE, Sept. 2017.

Stoner AC, **Lewis KO**, Flint J, Hensley S, Lee B, Miller J. Poster and Oral Poster: Code LITE: Developing Pediatric Residents' Resuscitation Knowledge and Skills Using a Guided Mentoring Approach. Pediatric Academic Societies' Annual Meeting. Toronto, Canada, May 2018.

Williams SE, **Lewis KO**, Lee BR, Middleton D, Humiston S, Clark S, Pahud BA. Poster: Needs Assessment for Resident Education Within the Collaboration for Vaccine Education and Research (CoVER). ID Week 2017, San Diego, CA, Oct. 2017.

Pediatric Residency



Residents, Steven Rose, DO, and Susamita Kesh, MD, on rounds.

Pediatric Residency Directors



Ross Newman, DO, MHPE
Program Director



Angie Etzenhouser, MD
Associate Program Director



Emily Killough, MD
Associate Program Director



Danielle Reed, MD
Associate Program Director

Resident Advocacy

Advocacy Track and Resident Projects

The pediatric residency Advocacy Track is a training pathway within the pediatric residency specifically targeted to residents interested in integrating advocacy training throughout their residency training. The track is available by application for up to two pediatric PL1 residents each year. The residents remain in the track for their entire residency training at Children’s Mercy Hospital.

Collaborating regionally with the Missouri Collaborative for Advocacy Resident Education (MOCARE), this new training track was created in 2016 as a cooperative effort with three other pediatric residency programs in Missouri to strengthen the advocacy curriculum and improve collaboration between residency programs in advocating for Missouri’s children.

Residents from all four programs attend a statewide advocacy training conference to learn about identifying advocacy priorities, community organizing, community partnership and project development. Each resident works with advocacy track faculty to identify advocacy interests and goals, build on previous advocacy experience, project development, program evaluation, grant application, and presenting and disseminating advocacy projects. Resident projects have included activities to increase healthy eating and physical activity, as well as parenting topics for mothers and children living in a transitional living facility while recovering from drug addiction, improving identification and treatment of sexually transmitted infections in adolescents at a teen homeless shelter, and improving primary care referral to early intervention services.

Advocacy- Hunger-Free Hospital Task Force

Children’s Mercy has a vested interest in the health and well-being of its patients that doesn’t stop after a child leaves the doctor’s office. In an effort to address the hunger needs of its patients, the hospital created the Hunger-Free Hospital Task Force in 2015 to unify efforts in the hospital in addressing food insecurity with the goal of improvement hospital-wide. Members of the task force include hospital administration, residents, physicians, nurse practitioners, senior nursing administration, social

workers, nutritionists, food service staff, community benefits, philanthropy, government relations, admissions and financial counseling, volunteer services, and a parent representative.

The first program is the USDA Summer Feeding Program which started in the summer of 2017. This program serves summer lunch to all children 18 and younger present at the Children’s Mercy Adele Hall Campus. Last summer, 2,200 lunches were served. The Summer Feeding Program is unique as Children’s Mercy was the only hospital system in Missouri to offer the USDA meal program on site in 2017 as a sponsor. The meal provided is a “Mindful Meal,” which is a hot, healthy meal served in the cafeteria. Two changes to the program came this summer with the addition of fresh sack lunches being provided to Emergency Department patients and their siblings, as well as an allergy option for children with food allergies or celiac disease. Because hot food is not yet an option at Children’s Mercy Satellite Clinics, the task force partnered with Harvesters to provide meals at Children’s Mercy West, Broadway and East. Last summer,



Advocating for children at the state level.



A young cafeteria patron participating in the summer lunch program.

2,500 children received meals at Children’s Mercy West and Broadway. This summer, Children’s Mercy Broadway added refrigeration to offer fresh sack lunches as opposed to just shelf stable snacks in an effort to reinforce nutrition teaching that is happening in the primary care clinic.

The second program offered is Food Prescriptions. The goal of this project is to help physicians identify families experiencing food insecurity and provide them with “food prescriptions” tailored to empower them to access existing food resources within their communities on an ongoing basis. There is currently a partnership with Truman Medical Center Healthy Harvest Market, a mobile market that sells fresh produce at wholesale prices to improve access for low income families. However, ultimately, the main goal of the program is to offer options for multiple types of “food prescriptions” (i.e., vouchers for other healthy food markets, nutrition education courses targeted toward low income families, a customized neighborhood-based list of food and nutrition resources).

Patients are identified for this program when they present for a visit and the parent/guardian fills out a

SEEK questionnaire. The provider (attending, resident or APRN) will review the SEEK tool before or during the visit. If the family answers “yes” to the food insecurity question, the provider should discuss the food prescription as a component of their anticipatory guidance on nutrition. At time of discharge, the nurse will provide the typical list of resources that accompany the SEEK tool, as well as a food prescription. Each food prescription includes a voucher for the Truman Medical Center Healthy Harvest Market (a mobile grocer that sells wholesale cost fruits and vegetables), a list of locations and schedule for the Truman Medical Center Healthy Harvest Market, and an educational handout about encouraging kids to eat fruits and vegetables. In 2017, food prescriptions were given out to about 500 patients and were well received by parents and providers, but few were redeemed. Focus groups are currently being completed with parents of patients to identify barriers.

The third program offered through the Hunger-Free Hospital Task Force is the Children’s Mercy Community Garden. This program is a collaboration with the Kansas City Community Garden, University of Missouri Extension, and UMKC Health Sciences District. There are three main objectives for the Children’s Mercy Community Garden:

1. To grow fruits and vegetables for patients, families, staff and community members who would benefit from increased access due to food insecurity, food deserts, obesity and/or general interest in pursuing a healthy lifestyle.
2. To provide an opportunity for patients, families and staff to gain physical and mental health benefits from spending time with nature.
3. To provide a learning experience related to how food grows for patients, employees and volunteers.

Garden maintenance is done by teams of hospital volunteers. While this project is not finished, additions have been made in 2018. Water access was installed in the spring, sunflowers were planted in June, and in July six raised beds were built to plant kale and cabbage.

Resident Accomplishments

McNeill A. Selected as an APA New Century Scholar 2018.

Streiler K. Essay contributions in Gunderson A, et al. Shattering the Wall: Imagine Health Care without Preventable Harm. Lulu Press 2018.

Posters

Black K, Abdelhadi R. An Esophageal Magnet Impaction is Missed Radiographically with Potential Complication of Esophageal-Gastric Fistula. NASPGHAN, Las Vega, NV, Oct. 2017.

Cecil C. Improving Nutrition Initiation and Delivery in Severely Burned Pediatric Patients through Protocol Implementation. PAS Annual Meeting, Toronto, Canada, May 2018.

Donato J. Incomplete vs. Complete Testing for HSV in Febrile Neonates. Children's Mercy Research Days, May 2018.

Kesh S. Association of Quinoa and Apple Sensitization. American Academy of Allergy Asthma and Immunology, Orlando, FL, March 2018.

Lieberman R. Provider Confidence in Screening for Food Insecurity and Provision of Resources to Families in Need. PAS Meeting, Toronto, Canada, May 2018.

Otto W, Myers AL, Jackson MA. Progressive Disseminated Histoplasmosis in an

Immunocompetent Infant. Academic Pediatric Association. Omaha, NE, Sept. 2017.

Van Mason JS, Van Mason A, Taylor JB, Estrellado-Cruz W. The Moldy Birds: An Adolescent with Progressive Dyspnea. American Thoracic Society, San Diego, CA, May 2018.

Van Mason JS Taylor JB, Dai H, Barnes, C.S. Income Level as a Predictor of Indoor Mouse Allergen Levels in Inner-City Homes of Kansas City. American Academy of Asthma, Allergy and Immunology, Orlando, FL, March 2018.

Zanaboni C. Healthcare System Utilization by Adolescents In the Year Preceding Emergency Care for Suicidality PAS Meeting, Toronto, Canada, May 2018.

Presentations

Martin K. Adverse Childhood Experiences among Immigrants and their Children. Children's Mercy Research Days, May 2018.

McBride K. Needs Assessment for Resident Education Within the Collaboration for Vaccine Education and Research (CoVER) Poster presented at: Infectious Diseases Society of America, San Diego, CA, Oct. 2017.

Odum J. Surveillance Kidney Transplant Biopsies: Do the Ends Justify the Means? Children's Mercy

Research Days, May 2018 and Salmonella Isn't hip: Osteomyelitis in a Healthy Adolescent Female. Pediatric Hospital Medicine. Nashville, Tennessee, July 2017.

Otto W. Impact of Respiratory Viral Infection in Febrile Neutropenia in Children with Cancer. Children's Mercy Research Days, May 2018.

Spear C. OWL Team Simulation. Children's Mercy Research Days. May 2018 and The Impact of a Global Health Education & Experience on Lifelong Career Plans, Children's Mercy Hospital Global Health Grand Rounds, June 2018.

Zamananuk R. The Incidence of Acute Kidney Injury During Pediatric Cardiac Extracorporeal Membrane Oxygenation Support as defined by the Kidney Disease: Improving Global Outcomes (KDIGO) guidelines. Children's Mercy Research Days, May 2018.

Publications

McBride K and Pahud B. Book Chapter: The Antivaccine Movement in Magill's Medical Guide, 8th Edition. Salem Press, Jan. 2018.

McElfish PA, Chughtai A, Low LK, **Garner R,** Purvis R.S. Just Doing the Best We Can: Health Care Providers' Perceptions of Barriers to Providing Care to Marshallese Patients in Arkansas. Ethn Health. 2018 May 4:1-14.

Tucker MH, Holmes J, Harley S, Garcia MR, and Custodio H. Case 1: Fever and Ataxia in a Toddler with Pica. Pediatr Rev. 2017 Sep;38(9):435-436.

James Odum, MD

Daniel C. Darrow Award Recipient



Internal Medicine/Pediatric Residency



Med/Peds resident Anna Leu, MD, rounding on a patient.

Internal Medicine/Pediatric Residency



Jacqueline Kitchen, MD, MS
Program Director
Internal Medicine/Pediatric
Residency



Sara Gardner, MD
Associate Program Director
Internal Medicine/Pediatric
Residency

Dynamic Residency Program



The University of Missouri-Kansas City Internal Medicine Pediatrics (Med/Peds) Residency is a strong academic program that boasts of its participants, graduates and their accomplishments. Located in the heart of the

Midwest, our residency offers a quality training experience in an affordable and livable city. Our residency program is comprised of three individual hospitals that come together to provide a diverse and excellent education.

Our program provides the environment and teaching services needed for a successful experience, but our personnel make the program excellent. Our residents are hard working, intelligent and dependable; but they are also feisty, opinionated and unrelenting.

This combination results in a dynamic residency program that consistently meets the needs and desires of our individual residents.

Want a board review class? Rely on the Med/Peds residents to begin and sustain it. Want to change a clinic procedure? They will aggressively pursue the goal until it is satisfactory. Our residency family bands together to support one another as our senior residents serve as mentors to the more junior residents.

We have six outstanding Med/Peds-trained faculty dedicated to the success of our residency. They meet with the residents once a month to discuss any potential problems and ensure our faculty is meeting the needs of our residents. They facilitate a weekly clinic curriculum and attend in the weekly combined Med/Peds Clinic.

New Leadership

Our Internal Medicine Pediatrics Residency has had an exciting year of transitions. Sara Gardner, MD, the Program Director for the last nine years, was promoted to Assistant Dean of Graduate Medical Education for the University of Missouri-Kansas City. Dr. Gardner is utilizing her rich experience as a program director to expand support and services to UMKC residencies and fellowships.

On July 1, Jacqueline Kitchen, MD, the Associate Program Director for the Internal Medicine Pediatrics Program, took over as Program Director. Dr. Kitchen completed her medical school training at the University of Kansas School of Medicine and completed her residency training at UMKC. She has remained with Children's

Mercy Hospital and UMKC in her role as APD. During that time, she developed innovative processes within the 4+1 ambulatory curriculum.

In the last academic year, Drs. Gardner and Kitchen established a Med Peds academic half day. These changes have enhanced learning opportunities and further strengthened the camaraderie within the program. With these exciting transitions, Dr. Gardner has assumed the role of Associate Program Director and will continue to provide her insight and guidance to the residency program. Drs. Kitchen and Gardner look forward to continuing to foster the development of the Med Peds Residency Program in their new roles.

Fellowship Programs



Jennifer Bickel, MD, FAAN performing acupuncture.

“Children’s Mercy is one of a few pediatric programs in the nation to offer a UCNS-accredited Headache Medicine Fellowship.”

– Dr. Bickel

New Fellowship Programs

Headache Medicine

Children's Mercy Hospital is excited to announce the new Headache Fellowship that is being directed by Jennifer Bickel, MD, FAAN. Accredited by the United Council for Neurologic Subspecialties, the Headache Fellowship will offer trainees a one-year fellowship to work with outstanding faculty within the Neurology department. "Children's Mercy is one of a few pediatric programs in the nation to offer a UCNS-accredited Headache Medicine Fellowship," said Dr. Bickel.

With such a diverse patient population at Children's Mercy Hospital, Dr. Bickel anticipates the headache program will serve more than 5,000 children annually. This is good news for many families who are looking for answers to a problem that distresses their child. It will also provide opportunities for trainees who specialized in a different specialty to broaden their knowledge base. "This one-year program is open to most medical specialties and can be tailored to best fit the learning needs of the fellow," Dr. Bickel said.

Epilepsy

The summer of 2018 was an exciting time for the Epilepsy team at Children's Mercy Hospital. With approval from the ACGME to begin an Epilepsy Fellowship, the team began training its first fellow in July 2018. The fellowship consists of one year of training, where the fellow will receive mentorship from the University of Kansas Neurology Faculty and the Children's Mercy Neurology team.

For Program Director, Mohammed Ilyas, MD, this is an exciting time for the Neurology Division team.

According to Dr. Ilyas, the strengths of the Epilepsy program include a comprehensive epilepsy program with an excellent academic teaching structure. In addition, Dr. Ilyas noted the robust faculty with a diverse training background as another strength that sets the Epilepsy team apart.

Dr. Ilyas' goal is to establish an excellent teaching model to train fellows. This will serve as the stepping stone for future growth. "I am looking forward to cultivating the next generation of outstanding epileptologists," Dr. Ilyas said.

Pediatric Sleep Medicine

With the beginning of the new academic year also comes the beginning of the new Sleep Medicine Fellowship program, which was approved by the ACGME in June 2017 as a one-year fellowship. Headed by Baha Al-Shawwa, MD, and David Ingram, MD, the program directors are excited to see the first fellow join the Sleep Center's team.

The Sleep Medicine Fellowship is one of the few programs in the country which focuses on pediatrics. However, there will be a plethora of educational opportunities for each fellow to work with adult medicine patients as well. In addition to pediatric training, "The fellow will receive expertise from Sleep Medicine physicians throughout Kansas City," Dr. Ingram said. The fellow will be guided by adult physicians located at Truman Medical Center and the University of Kansas Medical Center.

"Our fellows will have the opportunity to work within a multidisciplinary team," Dr. Al-Shawwa said.

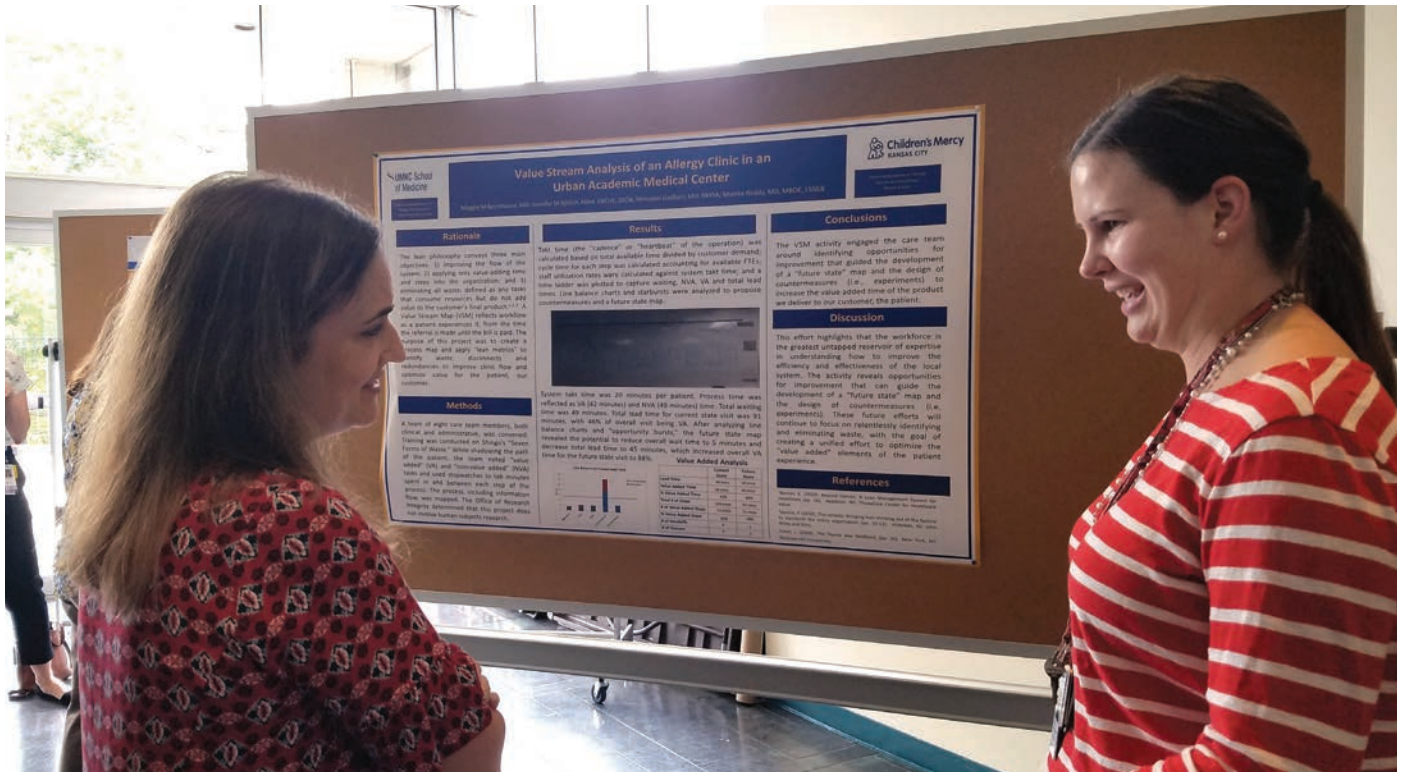
Fellowship Enhancement

With the demands of patient care, program requirements and life in general, fellows are being pulled in many directions. However, at Children's Mercy Hospital, we look for ways to keep our trainees engaged while also taking time to have fun at work.

The Fellowship Enhancement Activity allows for fellows to escape for a while and participate in wellness activities while at the hospital. "Activities and workshops are designed to be informative as well as interactive," said Nancy Draffen-Brown, MBA, Fellowship Coordinator. Draffen-Brown is on the planning committee and helps organize fun events for fellows to enjoy.

Opportunities are provided to the fellows over the lunch hour (with lunch provided) taking place multiple days throughout the year. With a variety of workshops provided, the fellow has a multitude of choices to enjoy. These include test-taking strategies to help reduce anxiety with in-training exams and board exams, holiday lunches to have some fun and relieve stress, as well as topics on the transition from fellow to faculty and financial topics.

"We want our fellows' lives to be as balanced as possible," Nancy said. "We want them to have fun."



Fellow Lauren Amos (left) presenting her QI project at the 2018 Research Days.

Fellows Quality Improvement Curriculum

The Improvement Academy is an education program designed to develop employees, through didactic and experiential learning opportunities, to provide timely and efficient patient-centered care that leads to improved outcomes. The program’s vision is to develop leaders who provide the highest quality care. Improvement Academy courses support the deployment of the Children’s Mercy Lean System and the development of a future generation of problem solvers and the integration of problem solving into daily work. Courses are taught and coached by various formal and informal leaders of different disciplines with clinical safety, quality and/or performance improvement expertise. Two Improvement Academy courses target physicians-in-training and support program directors in meeting Accreditation Council of Graduate Medical Education (ACGME) requirements for didactic and experiential opportunities related to quality improvement and practice-based learning.

Both courses require completion of a Problem-Solving A3, a method of documenting the improvement through storytelling. The Problem-Solving for Fellows course offers the fellow an opportunity to systematically investigate an

opportunity for improvement, apply improvement tools and methods, engage key stakeholders in implementing change, and produce scholarly work as a result of their improvement efforts. The goal is to create processes that are effective, timely, efficient, equitable and patient-centered that result in improved patient outcomes.

The fellows’ course structure includes seven coaching sessions, once per month, following completion of a one-day course, Problem-Solving Basics. Additionally, Children’s Mercy is a portfolio sponsor through the American Board of Pediatrics for Maintenance of Certification parts 2 and 4; therefore, fellows are able to obtain points for their participation.

The Problem-Solving for Residents course supports the resident in systematically analyzing his or her practice using quality improvement methods and implementing changes with the goal of practice improvement. It consists of nine didactic and coaching sessions over nine months, October through June. Some trainees who have participated in these courses have gone on to present their projects at national meetings through podium presentation or poster format. Continued improvements to the courses may enhance the output of scholarly work.

2017-18 Fellow QI Projects

FELLOWSHIP PROGRAM	PROJECT TITLE
Allergy/Immunology	EBOC: Eliminating Barriers for Oral Challenges
Child Abuse Pediatrics	HPV Vaccination for Sexual Assault Victims
Child Neurology	Management of Status Epilepticus per American Epilepsy Society (AES) Guidelines
Developmental-Behavioral Pediatrics	Improving the Rate that NICU Families have Scheduled an Early Intervention Evaluation by their First Outpatient Visit
Pediatric Emergency Medicine	Time to Pain Medication in Extremity Fractures with Obvious Deformities
Pediatric Endocrinology	Diabetic Foot Exam
Pediatric Gastroenterology	Endoscopy Times Proficiency of Incoming GI Fellows
Pediatric Hematology/Oncology	Medication Timeliness in ED with Sickle Cell Disease Population Presenting with Vaso-Occlusive Episodes
Pediatric Hematology/Oncology	Patients with Newly Diagnosed Anterior Mediastinal Mass; Decreasing Time to Diagnostic Procedure
Pediatric Nephrology	Screening for Bone and Mineral Disease Complications in Patients with Chronic Kidney Disease
Pediatric Pulmonology	PPSV23 (Pneumococcal Polysaccharride) Vaccination of Cystic Fibrosis Patients

Current Fellowship Programs

Allergy/Immunology

Child Abuse Pediatrics

Child Neurology

Child Psychology Fellowship

Clinical Pharmacology

Developmental-Behavioral Pediatrics

Epilepsy

Headache Medicine

Hospice and Palliative Care

Laboratory Genetics and Genomics

Neonatal and Perinatal Medicine

Pediatric Anesthesia

Pediatric Bioethics

Pediatric Cardiology

Pediatric Critical Care Medicine

Pediatric Dentistry

Pediatric Dermatology

Pediatric Emergency Medicine

Pediatric Endocrinology

Pediatric Gastroenterology

Pediatric Hematology/Oncology

Pediatric Hospital Medicine

Pediatric Infectious Diseases

Pediatric Nephrology

Pediatric Ophthalmology

Pediatric Optometry

Pediatric Otolaryngology

Pediatric Pathology

Pediatric Pulmonology

Pediatric Radiology

Pediatric Rehabilitation

Pediatric Sleep Medicine

Pediatric Sports Medicine

Pediatric Surgery

Sleep Medicine

Surgical Critical Care

Surgical Scholars

Fellowship Accomplishments

Presentations and Posters

Adib H. Inflammatory Myofibroblastic Tumor in a Neonate. European Society of Pediatric Otolaryngology. Stockholm, Sweden, June 2018.

Adib H. Importance of Multidisciplinary Clinic for Patients with 22q Deletion. American Cleft Palate Craniofacial Association, Pittsburgh, PA, June 2018.

Ahluwalia T. Reducing Rapid Strep Testing in Patients Less than 3 Years Old. American Association of Pediatrics. Chicago, IL, Sept. 2017; and Pediatric Academic Societies Annual Meeting, Toronto, Canada, May 2018.

Aly D. Jayaram N. Takayasu's Arteritis, a Rare Cause of Heart Failure in Children. American Society of Cardiology, Orlando, FL, 2018.

Amos L. Hemophagocytic Lymphohistiocytosis Associated ALK-Positive ALCL with Leukemic Involvement and CNS disease: A Single Institution Case Series. International Society of Pediatric Oncology, Washington, DC, Oct. 2017.

Amos L. Standardizing Medication Reconciliation for a Safe and Successful Discharge Home in Newly Diagnosed Pediatric Oncology Patient. American Society of Pediatric Hematology/Oncology, Pittsburgh, PA, May 2018.

Amos L. Understanding the Use of Primary Thromboprophylaxis in Hospitalized Pediatric Patients. American Society of Pediatric Hematology/Oncology, May 2018; and Thrombosis and Hemostasis Societies of North America, May 2018.

Behrle N, Divekar A. Congenital Superior Vena Cava Syndrome: A Rare Cause of Nonimmune Hydrops. American College of Cardiology 67th Annual Scientific Sessions. Orlando, FL, Feb. 2018.

Behrle N, Divekar A. Vitamin D Deficiency Induced Infantile Heart Failure in the Twenty First Century: A Fault in Public Health Primary Prevention. American Academy of Pediatrics National Conference and Exhibition. Orlando, FL, Nov. 2017.

Behrle N, Divekar A. Vitamin D Deficiency Induced Infantile Heart Failure in the Twenty First Century: A Fault in Public Health Primary Prevention. American Academy of Pediatrics National Conference and Exhibition. Orlando, FL, Nov. 2018.

Behrle N, O'Brien J, Kiaffas M, Noel-Macdonnell J, Shirali G, Parthiban A. Reducing Transthoracic Echocardiogram Diagnostic Error in Congenital Heart Disease: A Quality Improvement Project. American Society of Echocardiography. Nashville, TN, June 2018.

Benedict LA, Sujka JA, Sobrino JA, Hendrickson R, St. Peter SD, Oyetunji TA. Setting a Threshold for Discharge Antibiotics for Children with Perforated Appendicitis. Pacific Association of Pediatric Surgeons, Sapporo, Japan, May 2018.

Benedict LA, Sujka JA, Sobrino JA, Aguayo P, Ostlie DJ, St. Peter SD, Oyetunji TA. Racial and Ethnic Disparities in Children with Perforated Appendicitis are Effectively Mitigated by an Institutional Protocol. Society of Black Academic Surgeons, North Birmingham, AL, April 2018.

Benedict LA, Ha D, Sujka JA, Sobrino JA, Oyetunji TA, St. Peter SD, Fraser JD. The Laparoscopic Approach for Reduction of Intussusception in Infants and Children: an Updated Institutional Experience. International Pediatric Endosurgery Group, Seattle, WA, April 2018.

Benedict LA, Sujka JA, Sobrino JA, Aguayo P, St. Peter SD, Oyetunji TA. Same Day Discharge for Non-Perforated Appendicitis in Children: An Updated Institutional Protocol. American Surgical Congress, Jacksonville, FL, Jan. 2018.

Brei N. Anxiety Education for Parents and Educators at Pawnee Elementary School. Overland Park, KS, Feb. 2018.

Cammack B. Impact of Tracheostomy on Language and Cognitive Development in Infants with Severe Bronchopulmonary Dysplasia. Pediatric Academic Societies, Toronto, Canada, May 2018.

Caylor RC, Engleman K, Safina N, Coffman K, Lane Rutledge S, Saunders C, Thiffault I. Identification of Biallelic Pathogenic Variants in UBA5 in Three Additional Patients without Seizures. American College of Medical Genetics and Genomics (ACMG) Annual Clinical Genetics Meeting, Charlotte, NC, April 2018.

Caylor RC, Grote L, Thiffault I, Farrow E, Willig L, Amudhavalli S, Nopper A, Abdelmoity A, Saunders C. Tuberos Sclerosis in a Patient without Cortical Tubers; Subsequent Diagnosis of "Unaffected" Family Members. American Society of Human Genetics Conference, Orlando, FL, Oct. 2017.



Children's Mercy faculty and trainees at the state capital in Jefferson City, Mo., advocating for children.

Cecil C., Miller J, Flint J, Munsterman K, Sujka JA. Improving Nutrition Initiation and Delivery in Severely Burned Pediatric Patients through Protocol Implementation. Pediatric Academic Societies, Toronto, Canada, May 2018.

Chakawa A. Diversifying the Service Context to Meet the Treatment Needs of Racially/Ethnically Diverse Populations. Association for Behavioral and Cognitive Therapies 50th Annual Convention, San Diego, CA, Nov. 2017.

Chandran A. Benton TC, Miller JO, Kaine S, McKee D, Duane B, Lee B, Ortman LA, Affolter JT. Reducing the Incidence of Fluid Overload following Cardiopulmonary Bypass for Congenital Heart Surgery in Infants Less than 6 Months. American Thoracic Society, San Francisco, CA, May 2018.

Dinh J. PBPK Modeling in Pediatrics: A Role for the Virtual Child? American College of Clinical Pharmacology, San Diego, CA, Sept. 2017.

Dinh J. Soden S, Black B. A Practical Approach to Genomic and Pharmacogenomic Advances in the Care of Children with Behavioral and Developmental Disorders. Society of Developmental and Behavioral Pediatrics, Cleveland, OH, Oct. 2017.

Farooki S. SAMD9 Mutation Associated Thrombocytopenia Treated with Bone Marrow Transplant: A Unique Treatment Approach to a Rare Case. American Society of Pediatric Hematology/Oncology, Pittsburgh, PA, May 2018.

Fraker M. Hip Pain, Soccer, and Chronic Recurrent Multifocal Osteomyelitis. American College of Sports Medicine 65th Annual Meeting, Minneapolis, MN, May 2018.

Fraker M. Slow Down that Fastball! American Medical Society for Sports Medicine 27th Annual Meeting, Orlando, FL, April 2018.

George L, Holmes A, Menden H, Xia S, Sampath V. Integrin $\beta 2$ Immunomodulatory Gene Variants in Premature Infants with Necrotizing Enterocolitis. Children’s Hospital Neonatal Consortium Annual Symposium, Columbus, OH, October 2017; Midwest Society for Pediatric Research, Chicago, IL, October 2017; Pediatric Academic Societies, Toronto, Canada, May 2018.

George L, Manimtim W, Park N, Patel J. Implementation of Updated Hearing Screen Guidelines in a Level IV NICU. 5th Annual Levine Children’s Hospital Quality Improvement

Coaching Conference, Charlotte, NC, 2017; Children’s Hospital Neonatal Consortium Annual Symposium, Columbus, OH, 2017; Midwest Society for Pediatric Research, Chicago, IL, October 2017; Pediatric Academic Societies, Toronto, Canada, May 2018.

Goubeaux DL, Robertson G, Kingsley, R, Sarcone S, Sherman A, Woods GM. Outcomes of Sickle Cell Integrated Pain Program Clinic in Management of Pain in Pediatric Sickle Cell Disease. Foundation for Sickle Cell Disease Research’s 12th Annual Sickle Cell Disease Research and Educational Symposium, Washington, DC, June 2018.

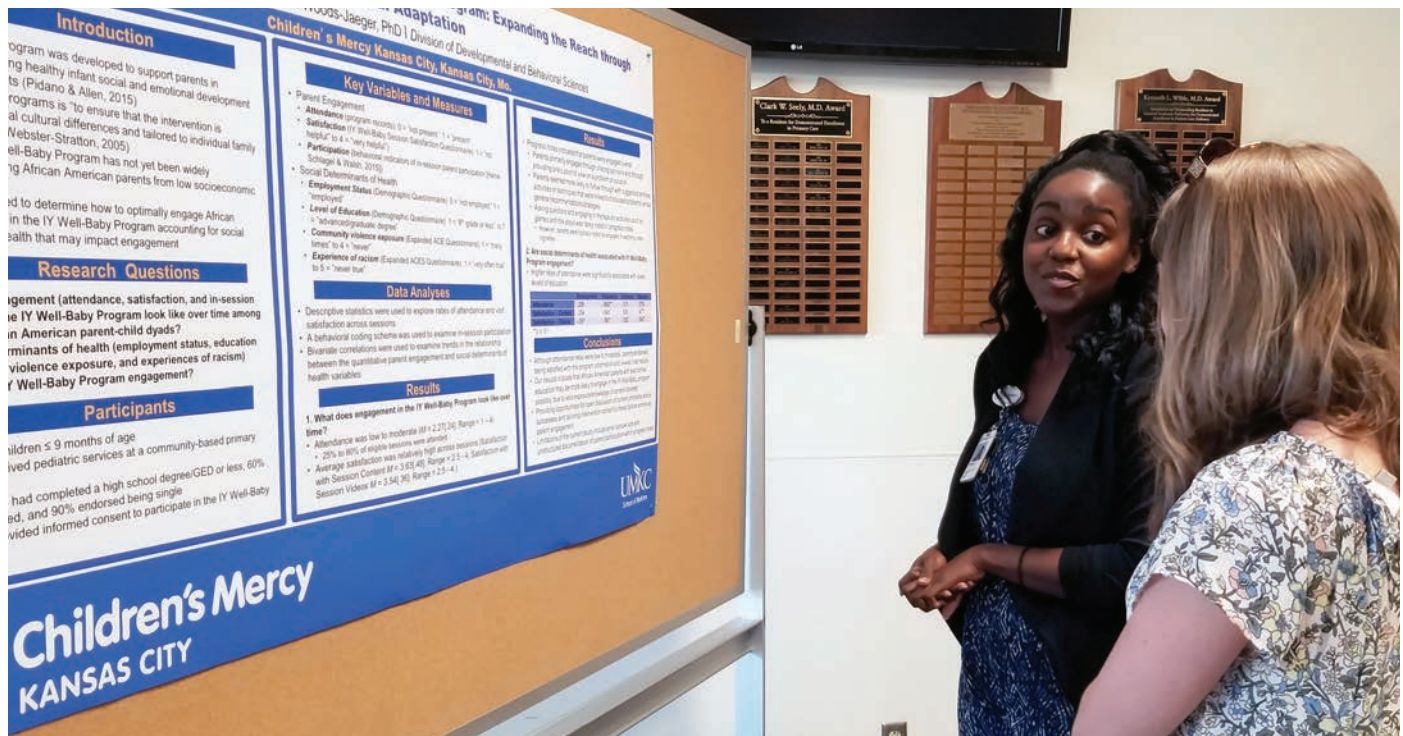
Goubeaux DL, Hoch K, Woods GM, Routhieaux J, McDougall Kestner V. Medication Timeliness in Emergency Department in Pediatric Sickle Cell Disease Population Presenting with Vaso-Occlusive Episode. Vijay Babu Rayudu Quality and Patient Safety Day, Kansas City, MO, May, 2018.

Goubeaux DL, Carpenter SL. An Unusual Anaphylactic Response to Treatment in a Patient with Severe Type 1 von Willebrand disease. American Society of Pediatric Hematology/Oncology 2018 Annual Meeting, Pittsburgh, PA, May 2018.

Halpin K. Clinical and Biochemical Findings of Hyperandrogenism in Non-Obese and Obese Transgender Male Youth. Pediatric Endocrine Society, Toronto, Canada, May 2018.

Halpin K, Heckert L, Dai H, Moser C, Jacobson J. Bone Age Advancement in Adolescents with Gender Dysphoria. Great Plains Endocrine Symposium. Kansas City, MO, Oct. 2017.

Halpin K, Noel-MacConnell J, Yan Y. Health Disparities in Insulin Resistant Youth Presenting for Pediatric Endocrine Evaluation. Great Plains Endocrine Symposium. Kansas City, MO, Oct. 2017.



Psychology Trainee, Ayanda Chakawa, PhD, presents her poster at Research Days.

Halpin K, Paprocki E, McDonough R. Quality Improvement in Emergency Department Management of Cortisol-Dependent Pediatric Patients. Pediatric Endocrine Society. Toronto, Canada, May 2018.

Halpin K, McDonough R, Noel-MacDonnell J, Yan Y. Patient Portals May Improve Communication, But Do They Widen The Health Disparities Gap? International Meeting of Pediatric Endocrinology, Washington, DC, Sept. 2017.

Harris M. Capillary Hemangioma of the Eyelid in an Infant. Southeastern Congress of Optometry, Atlanta, GA, February 2018; and Optic Nerve Hypoplasia in Childhood. Heart of America Eyecare Congress, Kansas City, MO, Feb. 2018.

Jean Cuevas J. Patterns of Use of Non-ambulatory Care Services in Patients with Attention Deficit/Hyperactivity Disorder. Pediatric Academic Societies, Toronto, Canada, May 2018. (AAP Presidential Plenary Session).

Jean Cuevas J, Winningham G. Depression: Education for Parents and Educators at Pawnee Elementary School. Overland Park, KS, April 2018.

Jones LN, **Trifonova IG.** Multidisciplinary Rounds for Medically Complex Children: An Example of Provider-family Teamwork. Human Factor and Ergonomics Symposium, Boston, MA, March 2018.

Keck K. Handheld ERG in Normal Pediatric Population. American Association of Pediatric Ophthalmology and Strabismus, Washington, DC, March 2018.

Kilbride S. Presentations: Child Protection Protocol Training; Overview of Medical Participation in MDT and Child Abuse Overview. Clay County, MO, June 2018; Jackson County, MO,

June 2018; and Nov. 2017; Johnson County, MO, Dec. 2017; and St. Joseph, MO, Aug. 2017.

Kilbride S, Hansen J. Invited review of, "Risk factors for Child Neglect: A Meta-analytic Review. Child Abuse Neglect. 2018; <http://dx.doi.org/10.1016/j.chiabu.2018.01.006>." The Quarterly Update, Spring 2018.

Kyler K. Trends, Characteristics and Utilization in Bariatric Surgery in Children's Hospitals. Pediatric Academic Societies. Toronto, Canada, May 2018.

Kyler K. Mediastinal Mystery: A Rare Cause of Respiratory Distress. Nashville, TN, July 2017.

Kyler KE, Bettenhausen JL, Hall M, Hampl S. Trends and Characteristics in Overweight and Obesity in Hospitalized Children. Poster at Pediatric Academic Societies Annual Conference. Toronto, Canada, May 2018.

Lawless C, Fidler AL, Fritz AM, Ortega A, Everhart RS, Baker D, Abu Hasa M, Delgado SD, Fedele DA. The Impact of Sleep on Physical Activity in Children with Cystic Fibrosis. North American Cystic Fibrosis Conference, Indianapolis, IN, Nov. 2017.

Le N, Sujka JA, **Sobrinho JA, Benedict LA, Rentea R, Alemayehu H,** Oyetunji TA, St. Peter SD. Does Muscle Biopsy Change the Treatment of Pediatric Muscular Disease? Academic Surgical Congress, Jacksonville, FL, Jan. 2018.

Mayersohn G. Posttraumatic Growth (PTG) and Potentially Correlated Variables in Pediatric Solid Organ Transplant Patients and their Caregivers. Dallas, TX, Feb. 2018.

Mayersohn G. Development and Implementation of a Psychoeducational Group for School-Aged Transplant Patients. April 2018.

McLaughlin M. Plenary Session: Precision Medicine and Rehabilitation: One Man's Journey into Pandora's Box; Why Education Doesn't Stop with Residency: Implications of New Finances, Program Building, and Physician Burnout for the Younger Physiatrist Transforming into an Attending Role; and Top Papers in Pediatric Rehabilitation – Implications for Clinical Practice. American Academy of Physical Medicine and Rehabilitation Annual Meeting, Denver, CO, Oct. 2017.

McLaughlin M. Career Funding Options. Association of Academic Physiatrists Annual Meeting. Rehabilitation Medicine Scientist Training Program, Atlanta, GA, Feb. 2018.

McLaughlin M. Integrating Top Pediatric Rehabilitation Research into Practice: a Review of Recent Clinically Influential Papers. American Congress of Rehabilitation Medicine Annual Meeting, Atlanta, GA, Oct. 2017.

McLaughlin M. Pharmacogenomic Variability of Oral Baclofen Clearance and Clinical Response in Children with Cerebral Palsy. Association of Academic Physiatrists Annual Meeting, Atlanta, GA, Feb. 2017.

McLaughlin M. Oral Baclofen, Precision Medicine and Rehabilitation: One Man's Journey into Pandora's Box. University of Kansas, Department of Physical Medicine and Rehabilitation Grand Rounds, Kansas City, KS, July 2017.

McLaughlin M. Pharmacogenomic Variability of Oral Baclofen Clinical Response in Children with Cerebral Palsy. Meeting of the T32 Trainees, National Institute of Child Health and Human Development, Bethesda, MD, Aug. 2017.

McLaughlin M. Pharmacokinetic of Baclofen. Pediatric Rehabilitation Conference, Children's Hospital of Colorado, Denver, CO, Oct. 2017.

McLaughlin M, Pastrana F. Intrathecal Baclofen Exposure in Cerebrospinal Fluid: The Missing Link Between Dose-Exposure-Response. American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Orlando, FL, March 2018.

Meinert KA, Park N, **Townley N,** Raymond A, Haney B, Oshodi A, Pallotto EK. Unplanned Extubations in the NICU: A Never Event? Children's Hospital Neonatal Consortium Annual Symposium, Columbus, OH, Oct. 2017.

Milkovich, E. Problematic Mobile Device Use and Child Mealtime Behaviors. Pediatric Academic Societies, Toronto, Canada, May 2018.

Murray L, Fickenscher K, Moffatt M, Frazier T, Jackson J, Anderst J. Presumed Low-Risk Fractures in Young Mobile Children: Association with Concomitant Suspicious Injuries, Pediatric Academic Societies Annual Meeting, Toronto, Canada, May 2018.

Murray L, Fickenscher K, Moffatt M, Frazier T, Jackson J, Anderst J. Presumed Low-Risk Fractures in Young Mobile Children: Association with Concomitant Suspicious Injuries, Helfer Society Annual Meeting, Nashville, TN, April 2018.

Murray L, Moffatt M, Raymond A. Reducing Secondary Traumatic Stress Among Professionals Routinely Exposed to Abused Children: A Quality Improvement Project. Helfer Society Annual Meeting, Nashville, TN, April 2018.

Murray L. Webinar: Sexual Abuse Literature Update, Missouri SAFE CARE Network Provider Update, Dec. 2017.

Murray L. Lectures: Medical Child Abuse, Medical Aspects Training for Children's Division, Liberty, MO, May 2018; Recognition and Evaluation of Child Abuse, Family Medicine Resident Presentation, Truman Lakewood Medical Center, Kansas City, MO, Aug. 2017.

Nagesh D. Case Presentations: Facioscapulohumeral Muscular Dystrophy, Kansas City, August 2017; and Neurological Changes and A Movement Disorder in a 16-year-old boy. Missouri Valley Child Neurology Colloquium, St. Louis, MO, April 2018.

Navaneethan H, Linebarger J. Evaluation of a Palliative Care Transport Policy: A Retrospective Chart Review of the First 5 Years. Pediatric Academic Societies, Toronto, Canada, May 2018.

Oppenheim J, Winningham G, Jean-Cuevas J. Depression Education for Parents and Educators at Pawnee Elementary School, Overland Park, KS, April 2018.

Panchangam C, White D, Goudar S, Birnbaum B, Malloy-Walton L, Reid KJ, Dai H, Chew W, Parthiban A, Gross-Toalson J, Shirali G. Translation of the Frailty Paradigm from Older Adults to Children with Cardiac Disease. Cardiology 2018: 21st Annual Update on Pediatric and Congenital Cardiovascular Disease, Philadelphia, PA, Feb. 2018.

Paprocki E, Halpin K, Heckert L, Jacobson J. Clinical and Biochemical Findings of Hyperandrogenism in Non-Obese and Obese Transgender Male Youth. Pediatric Endocrine, Toronto, Canada, May 2018.

Poola AS, Oyetunji TA, **Weaver KL, MD, Rentea RM,** St. Peter SD, Hendrickson RJ. Feeding Advancement and Simultaneous Transition to Discharge (Fast-Discharge) Clinical Pathway. American Pediatric Surgical Association, Palm Desert, CA, Dec. 2017.

Porath B, Jean Cuevas J, Lawson C, Kussman J, Nyp S, Garrison C, Zhou D, Cooley LD, Herriges J. Case Reports of Two Rare and Cytogenetically Distinct 15q11.2q13 Rearrangements- A Novel der(14;15) Rearrangement and an Intrachromosomal Triplication. American College of Medical Genetics and Genomics Annual Meeting, Charlotte, NC, April 2018.

Porath B, Pitel BA, Monahan CS, Ketterling RP, Greipp PT, Kearney HM, Baughn LB. Development of a Custom, Sensitive and Specific PCR Strategy for the Detection of ERG Deletions in Pediatric B-Lymphoblastic Leukemia/Lymphoma (B-ALL). The Annual Summer meeting of the Cancer Genomics Consortium, Denver, CO, Aug. 2017.

Ramlogan S, **Aly D,** Forsha D. Inter-Vendor Reproducibility of Layer-Specific Right Ventricular 2D Speckle Tracking Strain in Infants and Children. American Society of Echocardiography, Nashville, TN, June 2018.

Rath N, Lee B, Barnes C, Patel, N. The Prevalence of Coexisting Allergies to Cladosporium and Aspergillus in a Pediatric Population. American Academy of Asthma, Allergy and Immunology/World Allergy Organization Joint Congress Annual Meeting, Orlando, FL, March 2018.

Ratnasingam D, McGhee E, Sherman A, **McLaughlin M**. Location of Involvement in Pediatric Patients with Cerebral Palsy and the Relationship to Development of Scoliosis: A Retrospective Cross-sectional Analysis. American Academy of Physical Medicine and Rehabilitation Annual Meeting, Denver, CO, Oct. 2017.

Ratnasingam D, McGhee E, Sherman A, **McLaughlin M**. Incidence and Safety of Botulinum Toxin Type A Injections for Pediatric Patients with Cerebral Palsy. American Academy of Physical Medicine and Rehabilitation Annual Meeting, Denver, CO, Oct. 2017.

Richardson K. Evidence-Based Febrile Infant Management. Residency Didactic Session, Truman Lakewood Hospital, Truman Lakewood Hospital, Kansas City, MO, Jan. 2018.

Richardson K. Febrile Infant Management. GraceMed Helen Galloway Clinic, Wichita, KS, March 2018; and L Streptococcus Pneumoniae Endophthalmitis. Fellows' Day at ID week, San Diego, CA, Oct. 2017.

Runkel B, Fraser JD, Daniel JM. Azygous Vein Cannulation: The Importance of Echocardiography During ECMO Cannula Placement. Annual CNHS Symposium: ECMO & the Advanced Therapies for Respiratory Failure, Keystone, CO, Feb. 2018.

Salek S, **Behrle N**, Shah S, Divekar A, Farahmand D, Kung E. A Patient-Specific In-Vitro Setup for Transcatheter Pulmonary Valve Replacement Outcome Prediction. Biomedical Engineering Society Annual Meeting, Atlanta, GA, Oct. 2018.

Sarin A, Conners G, Sullivant S, Giovanni J, Sherman A, Zanaboni C, Randell K. Healthcare System Utilization by Adolescents in the Year Preceding Emergency Care for Suicidality. Society for Academic Emergency Medicine, Indianapolis, IN, May 2018; and Pediatric Academic Societies, Toronto, Canada, May 2018.

Shah S, **Aly D**. 3D printing: Enabling Cardiovascular Surgical Reconstructions Previously Thought to be Too Complex. 3D Printing in Medicine Course, Plymouth, MI, 2017.

Shah S, **Aly D**. Utility of Multi-Modality Imaging for Evaluation of Aortic Arch Anatomy in Individuals with 22q11.2 Deletion Syndrome. American Society of Echocardiography, Nashville, TN, June 2018.

Sharma S. Grand Rounds: Sydenham Chorea; and Posterior Fossa Tumors, University of Kansas School of Medicine, Nov. 2017 and March 2018.

Sharma S, Lisenby S, **McLaughlin M**. Comparison of Post-Concussive Total Symptom Scores on ImPACT Testing by Demographic Data. American Academy of Physical Medicine and Rehabilitation Annual Meeting, Denver, CO, Oct. 2017.

Singh N. IV Line Placement in Children with ESRD—Does the Current Practice Preserve the Non-Dominant Veins for Adulthood. Annual Dialysis Conference, Orlando, FL, March 2018.

Smith SC, Srivastava, V, Saunders CJ, Miller N, Cooley LD, Repnikova E. Characterization of Copy Number Variations of Genomic Regions Containing Long Noncoding RNA in Children with Neurological Phenotypes. American Society of Human Genetics Conference, Orlando, FL, Oct. 2017.

Smith SC, O'Donohue MF, Engleman K, Thiffault I, Juusola J, Silvey M, Soden S, Saunders CJ, Gleizes PE, Safina N. Identification of a de Novo RPL8 Variant-Associated with a Diamond-Blackfan Anemia-Like Phenotype. American College of Medical Genetics and Genomics meeting, Charlotte, NC, April 2018.

Sobrin JA, Axt J, Sujka JA, Wedel L, Millspaugh D, St. Peter SD. Withholding Foley Catheters in Children Receiving Patient Controlled Analgesia. Academic Surgical Conference, Jacksonville, FL, Jan. 2018.

Sobrin JA, Le A, Sujka JA, Benedict LA, Rentea RM, Alemayehu H, Oyetunji TA, St. Peter SD. Therapeutic Direction Versus Adverse Outcomes in Children Undergoing Lung Biopsy. Academic Surgical Conference, Jacksonville, FL, Jan. 2018.

Sobrin JA, Sujka JA, Sola R, Graziano KD, Blowey DL, Notrica D, St. Peter SD. Long-term Follow-up of Blood Pressure in Blunt Renal Injury. American Pediatric Surgical Association, Palm Desert, CA, May 2018.

Sola R, Theut SB, Sinclair KA, Rivard D, Johnson KM, Zhu H, St. Peter SD, Shah SR. Reporting of Appendicitis-Related Findings Improves Reliability of Ultrasound in Diagnosing Appendicitis in Children. Annual Meeting of the Canadian Association of Paediatric Surgeons, Banff, Canada, Oct. 2017.

Stoner AC, Lewis KO, Flint J, Hensley S, Lee B, Miller J. Code LITE: Developing Pediatric Residents' Resuscitation Knowledge and Skills Using a Guided Mentoring Approach. Pediatric Academic Societies, Toronto, Canada, May 2018.

Stoner AC. Developing Pediatric Residents' Knowledge and Skills in Cardiopulmonary Resuscitation through A Guided Mentoring Model. 10th Annual International Pediatric Simulation Symposia and Workshops, Amsterdam, Netherlands, May 2018.

Sujka JA, Benedict LA, Fraser JD, Aguayo P, Millspaugh DL, St. Peter SD. Outcomes Using Cryoablation for Post-operative Pain Control in Children Following Minimally Invasive Pectus Excavatum Repair. Kansas City Surgical Society, Kansas City, MO, May 2018.

Sujka JA, Mueller CN, St. Peter SD. Do Health Beliefs affect Pain Perception after Pectus Excavatum Repair? Pediatric Association of Pediatric Surgeons, Sapporo, Japan, May 2018.

Sujka JA, Benedict LA, Fraser JD, Aguayo P, Millspaugh DL, St. Peter SD. Outcomes Using Cryoablation for Post-operative Pain Control in Children Following Minimally Invasive Pectus Excavatum Repair. International Pediatric Endosurgery Group, Seattle, WA, April 2018.

Joseph Sujka, MD. received 2018 IRCAD Award for this presentation.

Sujka JA, Alemayehu H, Benedict LA, Sobrino JA, St. Peter SD, Fraser JD. Outcomes of Ostomy Location in Children: Placement of the Ostomy at the Umbilicus. International Pediatric Endosurgery Group, Seattle, WA, April 2018.

Sujka JA, Sola R, Sobrino JA, Memon R, Fort S, Aguayo P. Pediatric Hand Burns: Review of a Single Institution Experience. American Burn Association, Chicago, IL, April 2018.

Sujka JA, Sola R, Lay A, St. Peter SD. Outcomes of Circumcision in Children with Single Ventricle Physiology. Academic Surgical Conference, Jacksonville, FL, Jan. 2018.

Sujka JA, Sobrino JA, Benedict LA, Alemayehu H, St. Peter SD, Hendrickson R. Enteric Duplication in Children. Academic Surgical Conference, Jacksonville, FL, Jan. 2018.

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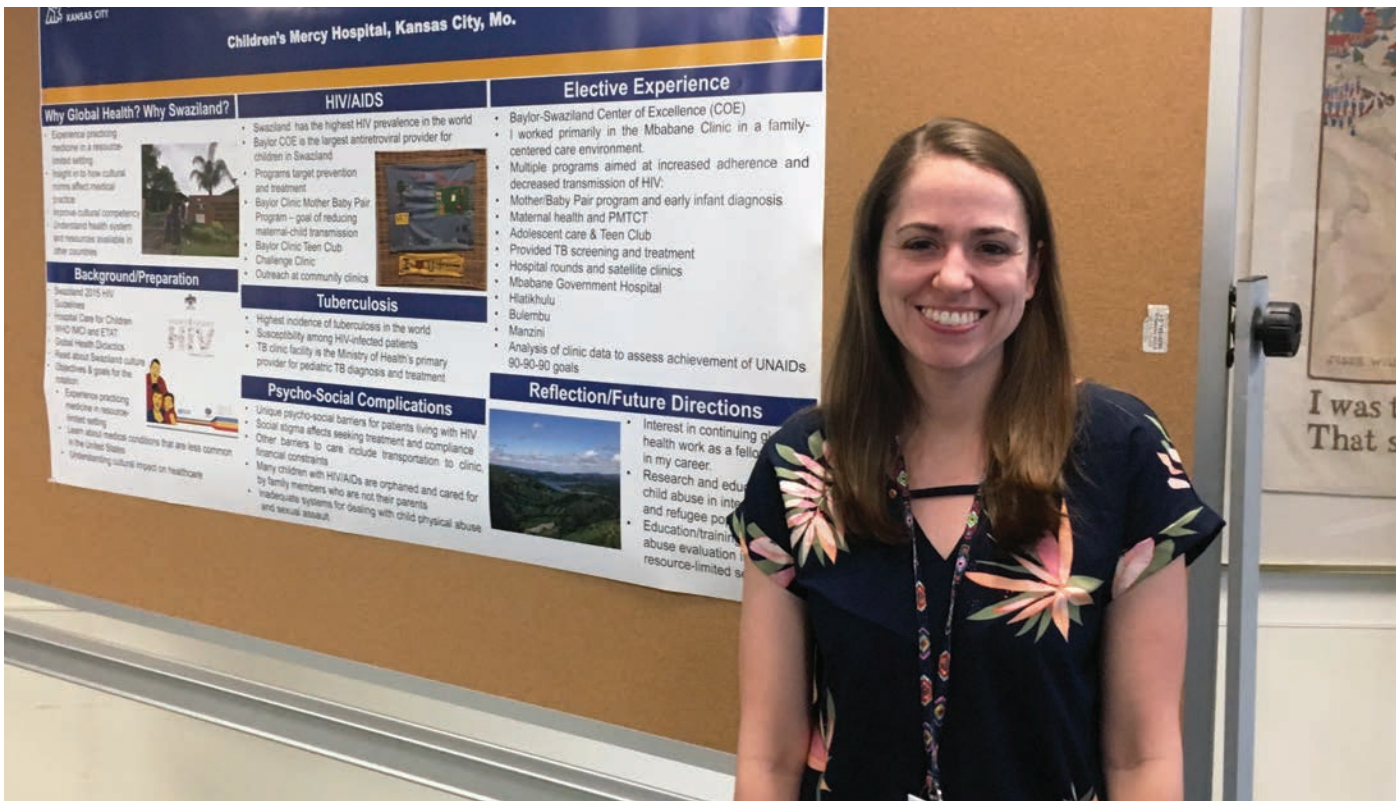
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Medical Students



Students in a simulation activity as part of the Annual Midwest Regional Pediatric Conference.

Meghna Singh, MD

Laura L. Backus, MD, Memorial
Award for Excellence in Pediatrics





Participants at the 2018 Regional Conference.

15th Annual Midwest Regional Pediatric Conference

On March 3, 2018, medical students from a record number of regional medical schools participated in the 15th Annual Midwest Regional Pediatric Conference. In all, around 100 students from nine medical schools attended (University of Missouri-Kansas City, University of Kansas, Saint Louis University, Creighton University, University of Nebraska, A.T. Stills University, Kansas City University of Medicine and Biosciences, Des Moines University and Rock Vista University).

Organized by medical students from UMKC's Pediatric Interest Group, the day-long conference was designed to introduce students to pediatric medicine and Children's Mercy Hospital itself. Laura Plencner, MD, and Molly Krager, MD, delivered a keynote presentation on pediatric advocacy. Pediatric Residency Director, Ross Newman, DO, spoke about medical student rotations, residency and fellowship opportunities. A panel of residents answered questions over lunch. In the afternoon, medical students participated in skills and simulation labs including venipuncture/infusion, Basic Life Support, suturing, lumbar puncture, orthopaedic casting and splinting, respiratory therapy, nutrition with gastrostomy and nasogastric tubes, child life and radiology. The conference closed with a "Speed Dating" session with 17 different specialists while hors d'oeuvres were catered to allow students and faculty a chance to speak and mingle.

University of Kansas/ Children's Mercy Partnership Grows

Starting with academic year 2018-19, all University of Kansas medical students will complete some part of their pediatric clerkship at a Children's Mercy site. This expansion happened as Children's Mercy and the University of Kansas worked on strengthening relationships at the residency level as well.

In addition to the pediatric clerkship and elective opportunities, Children's Mercy has identified 17 different week-long experiences that students can participate in during their preclinical years. The hope is that these experiences, as well as exposure during the clerkship, will heighten interest in pediatrics and Children's Mercy will provide a high-quality pediatric foundation regardless of which specialty the students end up pursuing.

Faculty Development



Neonatology faculty Steve Olson, MD, and Tamorah Lewis, MD.

“We have engaged in a unique strategic planning approach that blends research of best practices in faculty development with needs and requests of Children’s Mercy faculty.”

– Dr. Hill

New Leader. New Strategic Plan.

The Office of Faculty Development (OFD) was excited to welcome its new director, Jaqueline D. Hill, PhD, MPH, on Jan. 15, 2018.

Dr. Hill has been working as the Director of Clinical Research at the University of Kansas Medical Center's Department of Radiology for the past five years. While there, she developed the research capacity, processes, and infrastructure of that department, while also creating a certified non-clinical curriculum for the faculty. In that capacity, she has been called a "transformational leader" by her chair.

Prior to her work at KU, Dr. Hill served as a health services research and communications specialist at Ray and Associates Consulting Firm and a health care analytics fellow at the Veterans Health Administration's Office of Quality and Safety. Dr. Hill's doctorate and master's degrees are both in health care management and communications, which positions her well to understand the unique challenges of faculty development in a clinical environment. She is looking forward to engaging with faculty and leadership at Children's Mercy to strategically address professional development needs.

"Jacque has hit the ground running in her new position as OFD director. She has brought an energy and enthusiasm to the job which has re-vitalized our team and significantly strengthened our programs," said Denise Dowd, MD, MPH, OFD Associate Medical Director. Dr. Hill began her work by undertaking a needs assessment in preparation for a strategic planning process.

Strategic Planning

Led by Dr. Hill, along with Nic Rusher, MHA in Strategic Planning, Lory Harte, PharmD, MPHE in Quality Improvement and Susan Hathaway, PhD, MAEd in GME, Children's Mercy has engaged in an institution-wide strategic planning process to enhance development processes, resources and programs for our faculty. Rapid growth of Children's Mercy faculty has outpaced faculty development structure and resources, resulting in reactive and fragmented processes. Additionally, faculty

development activities could be better integrated across Children's Mercy.

The goal of the initiative is to create a systems-based strategy to achieve the mission and vision of the Office of Faculty Development, with a strong focus on enabling faculty to be actively engaged in their professional growth and support the same in their peers. Dr. Hill explained,

"The opportunities uncovered during this strategic planning process are much larger than the Office of Faculty Development. However, we hope to serve as a conduit to facilitate conversations and workgroups for the betterment of our faculty."

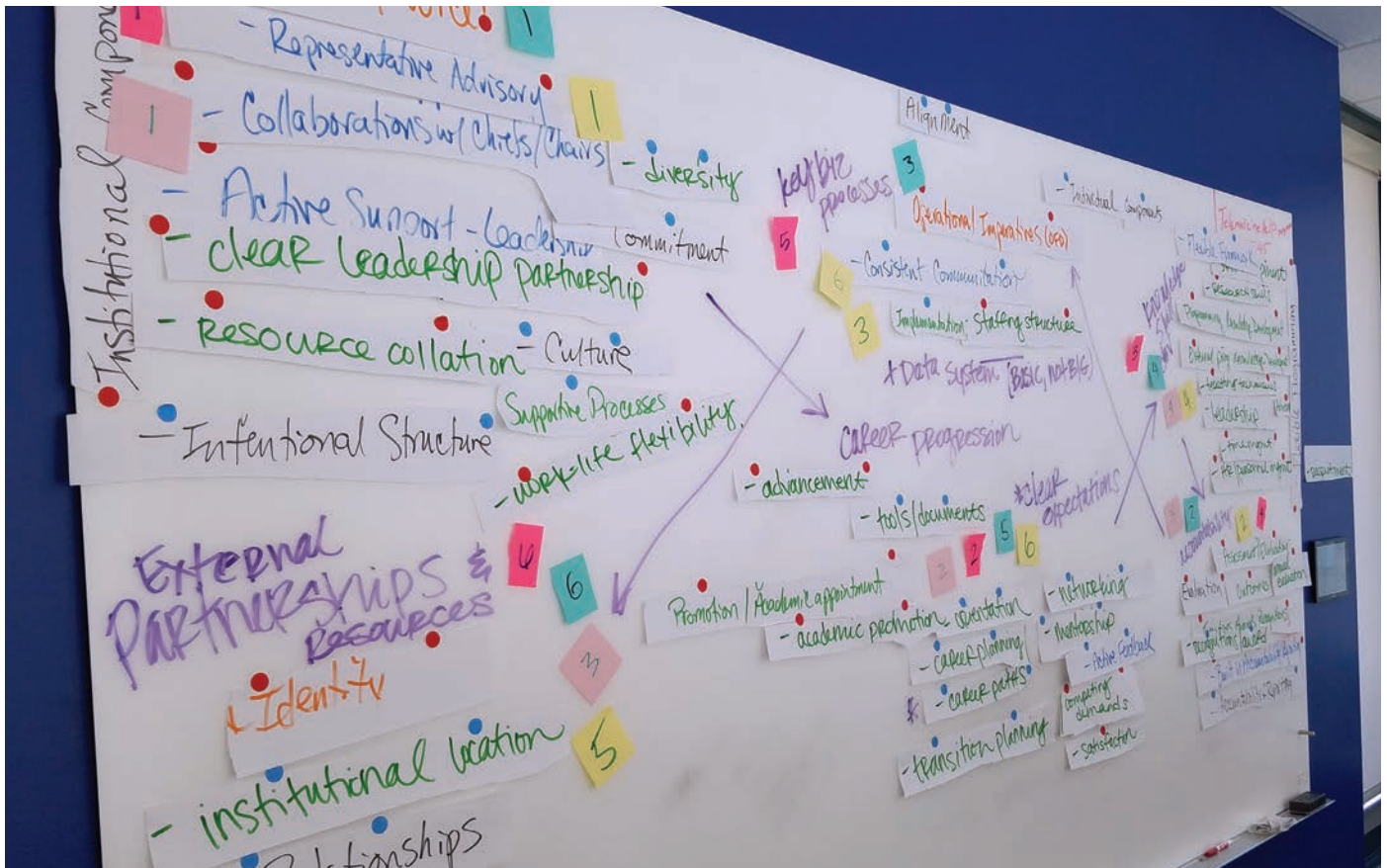
Ultimately, we hope this investment in faculty development will lead to increased faculty satisfaction, retention and recruitment efforts.

The improvement process combined several change management science elements to inform our strategic planning process, including:

- Utilizing LEAN Management System to guide improvement process and Strategy A3 Tool to quantify opportunities, identify tactics and track progress toward future state.
- Gathering and analyzing external data and internal data.
- Holding meetings and workshops to communicate assessment process, discuss goals, understand opportunities, obtain support/commitment, and identify priorities and workgroup leaders, as well as to identify stakeholders not present/workgroup leads, clarify problems, determine what additional information/



Jaqueline D. Hill, PhD, MPH
Director
The Office of Faculty Development



The Strategic Planning Improvement team maps out faculty development opportunities.

data is needed, and development outline of tactical plan.

- Holding ongoing workgroups for each prioritized opportunity over the next year.

Work in Faculty Development will be focused on several domains, drivers and improvement opportunities that will lead Children’s Mercy closer to accomplishing its mission to improve the health and well-being of children through guidance, advocacy and development of Children’s Mercy faculty to realize their full professional potential.

Domains

- Academic Life: Clinical, Research, Teaching, Service
- Professional Life: Academic/Leadership Skill, Mentorship, Growth Skills

- Personal Life: Physical, Emotional, Financial Well-being

Prioritized Opportunities

- Institutional Investment
- Career Progression
- Knowledge and Skill Development
- Accountability
- Key Business Processes
 - External Partnerships and Resources

Faculty Take Advantage of Development Opportunities

A number of opportunities with pediatric-related societies have been accessed by faculty over the last few years.

The Association of Pediatric Program Director's (APPD) "LEAD" Program has been a source of education-related leadership training for a number of faculty. Joe Cernich, MD (Endocrinology), Angie Etzenhouser, MD (Hospital Medicine), Mary Moffatt, MD (Child Abuse Pediatrics and Emergency Medicine), Angie Myers, MD, MPH (Pediatric Infectious Diseases), and Ross Newman, DO, MHPE (General Academic Pediatrics) have participated in his program over the past four cohorts.

Jennifer Dilts, DO, FAAP (Neurology) and Bobby Riss, MD, FAAP (Hospital Medicine) have completed the Academic Pediatric Association's (APA) Educational Scholars Program, earning a Certificate of Excellence in Educational Scholarship.

The Educational Scholars Program is a three-year mentored program designed to assist pediatric educators in developing themselves as productive, advancing and fulfilled faculty members and to increase the quality, status, and visibility of pediatric educators in academia. Their Children's Mercy mentor is Kadriye Lewis, EdD.

The APA Research Scholars Program is a three-year mentored research program designed to enhance research skills by planning, implementing, presenting and publishing a research project. This program assists pediatric clinician-researchers to engage in important and exciting projects that will increase the quality and breadth of child health research. Jessica Bettenhausen, MD (Hospital Medicine) graduated from this program in 2017 and currently serves in a mentorship role to the newest cohort of scholars.

The Academic Pediatric Association's mission is to nurture the academic success and career development of child health professionals engaged in research, advocacy, improvement science and educational scholarship to enhance the health and well-being of all children.



Jennifer Dilts, MD, and Bobby Riss, MD, with their mentor Kadriye Lewis, EdD (middle) at their APA Educational Scholars Graduation.



Grant Latta, DO

Daniel Scagliotti Outstanding Educator Award Recipient

Faculty Development by the Numbers

In 2017-18 the Office of Faculty Development (OFD) programs had 403 participants, a 144 percent increase over the previous year. Related to workshops and other resources, Dr. Hill said, "We hope to create high-quality, centralized resources to enhance faculty engagement and growth across the lifespan of their career."

In 2018-19, the OFD has revamped its offerings and has 22 short sessions with one full-day workshop and six half-day workshops.

Topics include:

Professional Development

Micro-Development Sessions:

1. Developing a Growth Mindset for Success
2. Applying Appreciative Inquiry to Enhance Your Well-being
3. Managing Change

Workshop 1 – Enhancing Your Leadership Skills

Workshop 2 – Optimizing Your Professional Growth

Education

Micro-Development Sessions:

Dealing with Problem Learners: Gaps in Knowledge and Application

1. Dealing with Problem Learners: Professionalism and Insight
2. Applying Active Learning Strategies: Online Tools and Tricks
3. Applying Active Learning Strategies: Audience Participation Systems

Workshop 1 – Designing Your Teaching Approach

Workshop 2 – Developing Effective Learner Feedback and Coaching Methods

Research

Micro-Development Sessions:

1. Brushing Up Your Biostatistics – Part 1
2. Brushing Up Your Biostatistics – Part 2
3. Understanding Qualitative Research 101
4. Managing Research Citations
5. Designing Great Posters
6. Delivering Successful Scientific Presentations
7. Performing Effective Literature Searches
8. Blocking for the Right Journal: Setting Yourself Up for Scientific Writing Success

Workshop 1 – Launching Your Research at Children's Mercy

Workshop 2 – Developing Successful NIH Grants

Workshop 3 – Disseminating Your Research Findings

Career Advancement

Micro-Development Sessions:

1. Understanding Academic Promotion
2. Setting Career Goals and Defining Your Mentoring Needs
3. Applying the Art of Self-Promotion to Academic Medicine

Systems-Based Practice

Micro-Development Sessions:

1. Understanding Hospital Finance 101
2. Engaging in Community Advocacy

Promotions as of Sept. 1, 2017

Associate Professor	31
Professor	9



Fellows Grace Winningham, MD, Michael Slogic, MD, and Jessica Van Mason, MD, at a Grant Writing Workshop sponsored by the Office of Faculty Development and the Children's Research Institute.

Medical Writing Center by the Numbers

69 Documents
copy edited



53 Manuscripts | **7** Grant proposals | **1** Book chapter
1 Full-length book | **7** Special projects



Presented

2 scientific writing workshops
5 targeted writing workshops



Led

5 peer-edited sessions of the
Quality Improvement Manuscript
Preparation Group



Consulted with

16 faculty and researchers in
18 separate writing consultations.

Continuing Medical Education



Continuing Medical Education assists faculty in staying up-to-date on topics related to the clinical, education and research-related responsibilities.

Endowed Lectureships

It is a little known fact that many of the Children's Mercy Grand Round lectures are made possible by donors. For instance, Arnold and Carol Caviar were so grateful for the care their daughter, Allison, received at Children's Mercy that they created an endowed lectureship for trauma and critical care. This lectureship honors Dr. Ronald Sharp, who performed Allison's difficult liver resection procedure.

"Dr. Sharp changed our daughter's life," Arnold said. "We're pleased this lectureship honors his career and creates a way for other surgeons to continue to learn and change lives at Children's Mercy."

Grand Rounds is held in the Children's Mercy main auditorium on Adele Hall Campus every Thursday from 8 to 9 a.m. It's remotely broadcast to KU Pediatrics, Children's Mercy Hospital Kansas, Children's Mercy Northland, Children's Mercy East, Children's Mercy West, Crown Center, Children's Mercy Specialty Clinics, Children's Mercy Broadway, Don Chisholm and Operation Breakthrough. Grand Rounds are also available online for two months following the event, so learners across the country or world can benefit from these lectures for free.

"I look at it this way, every Thursday morning anyone has the opportunity to get the latest and greatest updates on pediatric medicine."

– Teresa Shepherd

"We're fortunate we get to learn from pediatric experts week after week. We welcome a multidisciplinary audience because there is something for everyone to learn," said Teresa Shepherd, Manager of the Children's Mercy Continuing Medical Education Program. "I look at it this way, every Thursday morning anyone has the opportunity to get the latest and greatest updates on pediatric medicine."

There are currently nine lectures each year made possible through the generosity of donors. Additionally, Children's Mercy collaborates with the University of Kansas on three endowed lectures.

Endowed lectureships include:

Dr. J. Patrick and Jane Murphy Endowed Lectureship for Urology focuses on urology and other select surgical topics. Dr. Murphy is a former Chief of Urological Surgery at Children's Mercy and a Professor of Pediatric Surgery at the UMKC School of Medicine.

Dr. Gregory Hornig Endowed Lectureship in Spina Bifida focuses on topics related to spina bifida and other spinal cord disorders, such as the subspecialties of neurosurgery, neurology, rehabilitation, neonatology, genomics and orthopaedics. These lectures will be funded by the Enid & Crosby Kemper Foundation in honor of Dr. Hornig's care of Cynthia Kemper Gleason. Dr. Hornig, now retired from Children's Mercy, served as Section Chief of Neurosurgery for more than 20 years.

Daniel Miller Memorial Grand Rounds was established by Dawn and Paul Miller. Originally planning to create three scholarships in honor of the nurses who took care of their son, the Millers raised more money than expected and donated the extra money to the Liver Care department to create this annual lecture for Children's Mercy.

Dr. Rex and Lillian Diveley Pediatric Orthopaedic Lectureship is designed to provide up-to-date information for practicing orthopaedic surgeons, trauma surgeons, emergency medicine physicians and nurses, as well as health care team members who provide care for trauma victims. Some of the nation's most experienced and recognized orthopaedic faculty have presented over the last eight years of this annual lecture.

Stanley Hellerstein, MD, Lectureship in Nephrology was established by Dr. Hellerstein's children, Ann Hellerstein, MD, Joseph Hellerstein and Alice Ra'anan, to bring renowned speakers to Children's Mercy in the areas of their father's legacy. These include fluid retention, electrolytes, sickle cell and other topics related to the treatment of kidney disorders and the practice of



Participants in a professional development workshop on board study techniques.

nephrology; or topics that emulate Dr. Hellerstein’s legacy as an excellent diagnostician and advocate for children.

Kemper Healthy Lifestyles Lecture Series was established in 2015 by the William T. Kemper Charitable Trust, UMB Bank, n.a., Trustee and is spearheaded by Sheila Kemper Dietrich. With the educational focus of weight management, this series is presented through the Center for Children’s Healthy Lifestyles & Nutrition, a collaboration in pediatric obesity research between Children’s Mercy, the University of Kansas Medical Center and other academic institutions.

Dr. Julius M. and Marjorie R. Kantor Endowed Lectureship was established by Dr. James Kantor and Jane Ellen Kantor, Brooke and Carolyn Kantor, and Dr. Betsy Kantor Hoogenboom and Ronald Hoogenboom in recognition of their father’s legacy. Dr. Julius Kantor was a respected physician leader who was affiliated with Children’s Mercy for nearly half a century. He was one of the very first residents at the hospital and served as president of the hospital on two occasions. Marjorie was a graduate of Southwest High School and worked on the Manhattan Project. She was a self-trained businesswoman and a lifelong learner who encouraged education among her children. With the focus on subjects pertinent to Dr. Kantor’s legacy, this lectureship includes topics such as pediatric medicine and allergies.

Ronald J. Sharp, MD, Professorship in Trauma and Critical Care was established in 2012 by the Arnold and Carol Caviar family in gratitude and in honor of Dr. Ronald J. Sharp, who cared for and performed a difficult liver resection procedure for their daughter at Children’s Mercy. Dr. Sharp came to Children’s Mercy in 1981 as a fellow in the Pediatric Surgery Training Program. Throughout his tenure, he served as chair of the Section of General Surgery, director of the Burn Unit, director of Trauma Services and director of the Surgical Critical Care Training Program.

Raymond A. Amoury Visiting Professorship was established in 2001 to honor Dr. Amoury’s contributions to Children’s Mercy Hospital. Dr. Amoury was appointed Surgeon-in-Chief at Children’s Mercy in 1968, where he remained until he retired in 1994.

Knapp Memorial Grand Rounds was established by Dr. Jane Knapp, a long-time leader of Graduate Medical Education at Children’s Mercy with the intended focus on oncology. Dr. Knapp joined Children’s Mercy as one of the first two physicians to complete a two-year fellowship in pediatric emergency medicine in the U.S. Before retiring in 2016, she served as Associate Chair for Education for the Department of Pediatrics, Chair of the Department of Graduate Medical Education and the Designated Institutional Official for Children’s Mercy Kansas City. She was also the Associate Dean representing Children’s Mercy and a Professor of Pediatrics at the University of Missouri-Kansas City School of Medicine.

CAPS Celebrates its 50th Birthday

Clinical Advances in Pediatric Symposium, better known as CAPS, held its 50th annual event Sept. 27-29, 2017 at Children's Mercy Park. Almost 30 Children's Mercy faculty were joined by five guest faculty from across the country to share the latest evidence-based pediatric research with 340 attendees. In addition to CME, for the first time we were able to offer Maintenance of Certification (MOC) Part 2 Points through the American Board of Pediatrics. During the entire CAPS program, 157 physicians claimed 1,484 ABP MOC Part 2 Points over the two and one-half days.

In addition to learning, we invited Children's Mercy alumni and friends to join us for a special reception celebration on Sept. 28. While CAPS turned 50, we also wanted to celebrate the hospital turning 120 and co-founder Katharine Berry Richardson's 160th birthday! Tom McCormally, Children's Mercy Historian and author of *For All Children Everywhere*, attended the reception and signed books purchased during CAPS (all proceeds benefited the hospital). Throughout the conference and during the reception, attendees could reconnect with classmates, network with new colleagues and view old residency class photos and CAPS brochures posted around the venue.



Participants celebrating the 50th anniversary of CAPS at Children's Mercy Park.

Children's Mercy Continuing Medical Education by the numbers

309 courses offered



953.25 credit hours available

10,011 physicians attended

11,439 health care professionals attend

21,450 total attendees

49 of the 309 courses were online activities*



56.25 credit hours awarded

2,027 physicians participated

1,265 health care providers participated

3,292 total learners

*Grand Rounds online, Surgery Grand Rounds online, and a number of online modules for which we partner with the Child Health Association.

Library Services



Library Services includes both paper and virtual library holdings.

Health Literacy Workshop

Challenges and Opportunities: Bringing Children's Mercy and Kansas City Together

April brought much success to Children's Mercy and the Health Literacy Committee as it hosted a community-wide health literacy workshop. This two-day event was funded by a grant through the National Network of Libraries of Medicine/MidContinental Region which is part of the National Institutes of Health. Day one of the workshop was held at the Kansas City Public Library Central Branch and was open to both Children's Mercy employees as well as the public. It featured topics addressing the social determinants of health, a look at literacy in Kansas City, how to lessen the confusion of patients when it comes to health education, and engaging refugees in the health care system. Attendees participated in ice breaker activities and wrapped up day one with an interactive set of eight roundtable brainstorming sessions covering topics such as numeracy, developing written materials, consumer health, health in the mass media, teaching methods, culture and language, digital inclusion and financial literacy.

Day two of the workshop was open to Children's Mercy employees only and was held in the Professional Office Building. The second day included an overview of the Health Literacy Committee as well as Children's Mercy KidsHealth, the patient portal and the GetWell Network. There were also four interactive stations that featured using apps on iPads to answer questions, practicing teach-back, evaluating written documents and discussing how to handle a provided scenario. To wrap up the day, attendees participated in a strategic planning session to help better address health literacy.

This workshop would not have been possible without the hard work and dedication of the five people involved in the planning process. Those individuals were Jennifer Lyon, MS, MLIS, AHIP, Librarian, Library Services, who obtained the grant; Barbra Rudder, MA, CCLS, Health Literacy Committee Chair, Child Life Manager; Angie Knackstedt, BSN, RN-BC, Health Literacy and Bioethics Clinical Coordinator; staff from Equity and Diversity, Mamta Reddy, MD, MBOE, Medical Director, Quality Improvement, Allergy, Asthma and Immunology; AHIP, Librarian, Library

Services; and Courtney Butler, former Librarian, Children's Mercy Library Services.

Materials from the workshop are available through Children's Mercy SHARE (Scholarly Health, Academic & Research Exchange) scholarlyexchange.childrensmercy.org/healthliteracy/.

Library Services by the numbers



Calendar year 2017

Performed 1,524 expert literature searches for a total of **1,634** search hours

Educated approximately **780** learners over approximately **114** hours

Delivered approximately **4,000** articles from our own collections, UMKC (on behalf of UMKC-affiliated faculty) or open access repositories

Borrowed 2,380 items
(more than twice the number than 2016)

Loaned 1,404 items
(almost twice the number from 2016)

Professional Development



Angie Etzenhouser, MD, Pediatric Residency Associate Program Director.

Advanced Degrees and Certifications

Children's Mercy fellows and faculty are able to take advantage of additional professional development through advanced degrees and certificates at the University of Missouri-Kansas City.

University of Missouri-Kansas City Master of Science in Bioinformatics

The Master of Science in Bioinformatics supports the education of students interested in a career in bioinformatics or clinical research. Graduates master core competencies that allow them to participate in biological research, clinical and population health research, or research to develop innovative information systems. This program equips the next generation of health researchers by emphasizing patient-oriented research in the context of state-of-the-art medical informatics.

University of Missouri-Kansas City Graduate Certificate in Clinical Research

The 15-credit hour certificate is derived from the core of the Master of Science in Bioinformatics Clinical Research curriculum and includes the following five courses:

- Biostatistics
- Clinical Research Methods
- Clinical Epidemiology
- Clinical Trials
- Overview of Health Sciences Research

To learn more about the Master of Science in Bioinformatics or the Graduate Certificate in Clinical Research program, visit med.umkc.edu/dbhi.

University of Missouri-Kansas City Graduate Certificate and Masters of Health Professions Education

Based on a core curriculum in applied educational research, this 36-credit hour Masters of Health Professions Education Program focuses on the development of expertise in teaching, instructional design, program evaluation, assessment, leadership and educational research. The first year of the master's degree is the certificate program. Children's Mercy fellows who accept faculty positions at the hospital following their

training will be able to complete the degree after their fellowships end. To learn more about either the Graduate Certificate or Masters of Health Professions Education, contact (816) 235-2465.

Pediatric Center Certificate Program

The Children's Mercy Pediatric Center Certificate Program is a nine-month course with an intensive three-day weekend on site. For the rest of the course, students and faculty discuss assigned readings online and in periodic conference calls and webinars. The program is designed to help students understand common pediatric bioethical issues, including the role of ethics committees, practical techniques in ethics consultation, fertility and moral distress, end-of-life decisions, pediatric palliative care, research ethics, biobanking and genetics, enhancement, issues in adolescent medicine and immunization controversies. The focus is exclusively on pediatrics. For additional information on the Bioethics Center Certificate Program, please contact the Children's Mercy Bioethics Center at cmhc@cmh.edu.



A class discussion for the masters in health professions education.

Honors and Awards



Residents compete against Resident Program leadership in a recurring trivia contest. The residents won!

Medical Student Education Award

Laura L. Backus, MD, Memorial Award for Excellence in Pediatrics:
Meghana Singh, MD

Resident Awards

Barbara Allphin, MD, Residents as Teachers Award, Pediatrics:
Rachel Lieberman, MD

Barbara Allphin, MD, Residents as Teachers Award, Internal Medicine/Pediatrics:
Jane Duong, MD

Daniel C. Darrow Award:
James Odum, MD

Mercy Award:
James Odum, MD

Clark W. Seely Award:
Danielle Horton, MD

Edward R. Christophersen Excellence in Developmental and Behavioral Pediatrics Award:
Abigail Musial, MD

Jane F. Knapp Excellence in Pediatric Emergency Medicine Award:
Ashley Fletcher, MD; Abigail Musial, MD

Kenneth L. Wible, MD, Primary Care Clinic Award:
Kristin Streiler, MD

Hematology/Oncology Award:
Paige Pomo, MD

Hospitalist Medicine Award:
Abigail Musial, MD

Neonatal-Perinatal Medicine Award:
Megan Tucker, MD

Pediatric Critical Care Award:
James Odum, MD

Professor Rounds Awards - First Place:
Douglas Later, MD

Professor Rounds Awards - Second Place:
James Odum, MD and Kristin Streiler, MD (tie)

Saggie Alon Resident Research Award - First Place:
William Otto, MD

Saggie Alon Resident Research Award - Second Place:
James Odum, MD

Fellow Awards

Fellow Quality Improvement - First Place:
Derrick Goubeaux, MD

Fellow Quality Improvement - Second Place:
Laura McCarthy, DO, MBA

Fellow Research - First Place:
Rebecca Casini, MD

Fellow Research - Second Place:
July Jean Cuevas, MD

Fellow Teaching Award:
Arjun Sarin, MD

Faculty Awards

Daniel Scagliotti Educator of the Year:
Grant Latta, DO (Hospital Medicine)

Excellence in Teaching in Resident Education:
Nathan Beins, MD; Tara Benton, MD; Angela Etzenhouser, MD; Danielle Reed, MD

Excellence in Education in Student Education:
Jessica Bettehausen, MD; Cheri El-Hanawany, MD

Herbert A. Wenner, MD, Faculty Award for Medical Student Education:
Jaqueline Walker, MD, MPHE (Hospital Medicine)

Outstanding Teaching Section Award: **Critical Care**

Nursing Awards

Nurse Practitioner of the Year:
Ellen Meier, CPNP, APRN (Pulmonology)

Nurse of the Year:
Mathew Wilkes, RN, BSN (5 Henson Hall Tower)

Nursing Unit of the Year: **Emergency Medicine**

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