Welcome to this edition of Pediatric Pulse, a Kentucky Children's Hospital newsletter published for referring physicians. In this quarterly newsletter we provide updates on the happenings at Kentucky Children's Hospital in addition to information about new or interesting services we offer.

The KCH renovation continues. Next up is the Hall of Champions, a project that includes a makeover of the corridor from the main UK Chandler Hospital elevator bank to the entrance of KCH. This project is funded by the Coaches for the Kids event sponsored by UK Football Head Coach Mark Stoops. The renovations will begin this summer if the census allows it. The team, including the architects and staff, has been working on this project for more than a year, and the Development Council is ready to start fundraising. If you are interested in room-naming opportunities, please contact us.

In this issue, Dr. Sherry Bayliff discusses the benefits of the Long-Term Follow-Up Clinic to pediatric cancer patients. The clinic is part of the DanceBlue Pediatric Hem/Onc Clinic. Drs. Arundathi Reddy and Raeford E. Brown will review pediatric anesthesia services at KCH. You also will find announcements, upcoming events and updates in our recurring columns.

I realize that there have been difficulties referring patients to certain specialties. We are aware of those frustrations and are working hard to recruit the appropriate staff to help alleviate those issues. Thank you for your understanding.

Kentucky Children’s Hospital records are now available through the physician portal. The most utilized information is the online discharge notes from the newborn nursery and units, along with lab results and procedural notes. More daily progress notes are also being made available online. Our liaisons will be glad to instruct you or your office staff in accessing the portal.

As always we are continuing to focus on improving communication with our referring providers. In the meantime, if you have trouble getting in touch with your patient’s attending physician, please contact me through UK•MDs, toll-free at 800-888-5533, email at cwall4@uky.edu, or my office phone at 859-323-1432.

Carmel Wallace, MD
Physician-in-Chief, Kentucky Children’s Hospital
Chair, Department of Pediatrics
Jacqueline A. Noonan-CMN Research Chair in Pediatrics

To refer a patient, please call UK•MDs at 800-888-5533.

If there is a topic you would like addressed in our next quarterly issue, please contact Tarra Crane Lowe at 859-257-5736 or tlcran2@email.uky.edu.
The Kentucky Children’s Hospital Long-Term Follow-Up Clinic was established in 2008 to provide specialized care for pediatric cancer survivors who have been off treatment for at least five years. In this clinic, the focus of care is to identify and treat long-term effects of therapy, promote healthy lifestyles, and monitor for the development of secondary cancers. Given that three of every four pediatric cancer patients are now long-term survivors, it is understandable that our follow-up clinic has grown significantly and now serves patients three days every month.

Cancer therapy can take a considerable toll on a body that is not fully developed. Adverse effects from treatments may take years to develop and include not just physical but also psychological and social consequences. Common late effects include worsening heart or lung function, hormonal deficiencies, infertility, weight gain, fatigue, high blood sugar and cholesterol, poor school or work performance, and depression. Timely recognition of late effects is essential to reduce the impact these complications may have.

The KCH Long-Term Follow-Up Clinic’s multidisciplinary team consists of two pediatric oncologists, a nurse practitioner, a social worker and a nurse coordinator. Following a comprehensive medical evaluation during the first visit, the team works with the survivor and his or her primary care provider to develop an individualized care plan to help prevent and treat late effects of therapy. While most patients have annual visits, some may require additional coordinated follow-up visits with subspecialists to manage their late effects.

The cost of follow-up care may be substantial for those patients who have difficulty securing insurance. Fortunately, we have been blessed by the generosity of groups who recognize the need for follow-up care. DanceBlue, the UK student-run dance marathon that benefits the KCH DanceBlue Pediatric Hematology/Oncology Clinic, assists uninsured patients by providing the funding necessary to perform neurocognitive testing. These evaluations are essential in providing an individualized assessment of educational and psychosocial needs in our pediatric cancer survivors. Northwestern Mutual also has provided a generous gift to assist families with travel costs, provide education materials and seminars, and help acquire special computer software that helps interpret bone mineral density evaluations in young patients. These organizations have been valuable partners in our efforts to continue the medical care for oncology patients long after chemotherapy has been completed.

To refer a patient, contact UK•MDs at 800-888-5533.
Pediatric anesthesiology: On the leading edge of modern medical care

Raeford E Brown, Jr., MD, FAAP
Arundathi Reddy, MD
Pediatric Anesthesiology

UK HealthCare Pediatric Anesthesia consists of six clinicians with special training in the management of infants, children and adolescents. These clinicians have anesthesia, pediatric, critical care and pediatric pain control training and experience beyond what is required for board certification in anesthesiology.

We consult with pediatric surgeons, intensivists, pediatricians and cardiologists to define and implement the best possible care for every infant and child that comes through our doors.

Pediatric anesthesiologists manage infants with severe congenital heart disease prior to the time they have had surgical stabilization. They provide care when a sick newborn with one or more congenital anomalies comes to the operating room. They manage the sickest children throughout the hospital, including those with cancer and other severe diseases that require diagnostic testing. Anesthesiologists are called upon to assist with acute and chronic pain control, palliative care, intravenous catheter placement and sometimes highly specialized pediatric critical care.

While the safe management of critically ill infants and children is important, pediatric anesthesiologists also focus on developmental differences in children that can make their experience in the operating room and the hospital very frightening. A 3-year-old child, for example, can be terrorized by an operating room experience. Thus, it is important that these children are managed by skilled clinicians who can provide a stress- and pain-free experience for kids of all ages. Of special importance is the ability to speak to parents about the care of their children, sometimes at very stressful moments.

Pediatric anesthesiologists are safety experts. They focus attention on the elements of the hospital experience that threaten the well-being of pediatric patients. They are a resource for the pediatric community and provide services that are not readily available elsewhere.

Community Corner

Join us for the next Community Wide Morning Report
Wednesday, May 21, 2014
Wheeler Room – MN136
UK Chandler Hospital Pavilion H

For more information or to register, contact Tarra Crane Lowe at tarra.crane@uky.edu or 859-257-5736.

Please send me an email if you have suggestions for upcoming conferences. I also would appreciate any suggestions related to Community Pediatrics at UK.

Katrina Hood, M.D.
Chief, Division of Community Pediatrics
khood@paalex.com
Meet Our New Physicians

Kentucky Children’s Hospital is pleased to announce the arrival of two new physicians, including a new division chief of Neonatology.

**Peter Giannone, MD**
*Chief, Neonatology*

Dr. Peter Giannone received his medical degree at SUNY Health Science Center at Syracuse College of Medicine in Syracuse, N.Y. After earning his degree, he completed his residency in pediatrics at Eastern Virginia Medical School in Norfolk, Va., with the Children’s Hospital of the King’s Daughters. Dr. Giannone then completed his fellowship at Brown University in Providence, R.I., with a concentration in neonatology in the Women and Infants Hospital of Rhode Island. He is board certified in pediatrics and neonatology.

**Susan A. Arriagada-Alvarado, MD**
*Neonatology*

Dr. Susan Arriagada-Alvarado studied medicine and pediatrics at the University of Chile. She then attended the University of Rochester Medical Center in New York to attain a perinatal medicine fellowship and further pediatric education. She was licensed in pediatrics in 2004. Dr. Arriagada-Alvarado is certified in neonatal resuscitation as a provider and instructor, as well as in pediatric advanced life support as a provider. She also has teaching experience at Finis Terrae University in Chile.

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**FLU SEASON VISITOR RULES**

To protect the health of the babies we serve this flu season, UK HealthCare has made temporary changes to visitation policies.

- No visitors with any flu-like symptoms or respiratory illness-like symptoms.
- Visitors may be given masks or other protective clothing for use when visiting.
- Compassionate visitation exceptions will be made on a case-by-case basis.
- In the NICU, no visitors other than parents or grandparents.

Help us protect patients, visitors and staff from the flu. We appreciate your cooperation.

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**Outreach Corner**

**Whooping cough (Pertussis)**

Karen Riggs, Director, Physician Liaison Program

The incidence of whooping cough has continued to increase since the 1980s, both in Kentucky and throughout the world. According to the Centers for Disease Control, the effectiveness of whooping cough immunizations has decreased over time, making people more susceptible to the disease. Whooping cough prevention is important because more than half of infants who contract the disease require hospitalization, and some cases will evolve into pneumonia. Given the seriousness of the infection, the CDC recommends pregnant women as well as their family members and caretakers be up to date with the whooping cough vaccination. This helps create a circle of protection around a newborn child.

The CDC has tools for health care workers including downloadable PDFs. The link includes instructions for ordering posters. One tool that might be useful for patients is an assortment of e-cards they can send to close relatives and friends that explains why it is important to be immunized for whooping cough. Information and guidelines regarding vaccination against pertussis may be found on the CDC website at [www.cdc.gov/Features/Pertussis](http://www.cdc.gov/Features/Pertussis).

For more information or other questions, please contact Scottie B. Day, MD, at scottie.day@uky.edu.
Announcements

Kentucky Children’s Hospital is deeply committed to providing exemplary clinical care to children and their families in a compassionate environment. Within Kentucky Children’s Hospital, the pediatric intensive care unit (PICU) consists of expert nurses, physicians, pharmacists, therapists, technicians and other staff devoted to treating critically ill children. We are excited to announce that Scottie B. Day, MD, FAAP, has been appointed Kentucky Children’s Hospital interim chief and medical director for pediatric critical care services.

We would like to thank Dr. Philip Bernard, who has served as the division chief and medical director for the PICU since 2011. Dr. Bernard was recently named the Director of Physician IT Services at UK HealthCare.

As part of our critical care team, Dr. Day will work with Kentucky Children’s Hospital leadership to ensure safe, high-quality and family-centered care is provided to all PICU patients.

Dr. Day is a respected clinician with a wealth of knowledge regarding pediatric critical care. A graduate of the UK College of Medicine, Dr. Day completed his residency at Indiana University and his fellowship at Cincinnati Children’s Hospital Medical Center. From 2008 to 2011, he served on cardiopulmonary resuscitation committees at both Cincinnati Children’s Hospital and Kaiser Moanalua Hospital. He also was actively involved in the Pediatric Early Warning System (PEWS) development at Kaiser Moanalua Hospital. Since arriving at UK HealthCare in 2011, Dr. Day has been a team member for the Kentucky Children’s Hospital ECMO team and a team leader in the KCH Congenital Heart Clinic strategic planning. He was a core member of our Congenital Heart Taskforce, currently chairs the KCH Mortality and Morbidity Committee and is the physician director for our Pediatric Transport Team and Outreach for KCH.

Dr. Day has a growing national and international reputation. In March 2013, he was appointed to the National PICU Expert Work Group (part of Affordable Healthcare Research and Quality – CMS CHIPRA Pediatric Measurement Center of Excellence). He also serves internationally on the Danitas Children/Southland Christian Medical Advisory Board in Haiti, where he is charged with the development of the children’s hospital and clinic. Additionally, he is a cardiac intensivist volunteer with the International Children’s Heart Foundation.
Because carbon monoxide is an odorless and colorless gas, it can kill without warning.

A recent surveillance report released by the Centers for Disease Control states that non-fire-related carbon monoxide (CO) poisoning is the leading cause of poisoning in the United States. Annually, exposure to CO is attributed to more than 450 deaths, more than 2,000 hospitalizations and more than 20,000 visits to emergency departments in the U.S.

Common causes of carbon monoxide poisoning:
- Poorly maintained and ventilated appliances that burn fossil fuels, such as gas furnaces and stoves.
- Motor vehicle exhaust.
- Fuel-powered generators and heaters.

Simple steps to safety:
- Have home heating system, water heater and any other gas, oil or coal burning appliance serviced by a qualified technician every year.
- Install CO detectors near every sleeping area in home. Check detectors regularly and replace the batteries when you change the time on clocks each spring and fall. If the detector sounds, leave the house immediately and call 911.
- Don’t use a generator, charcoal grill, camp stove, or other gasoline or charcoal-burning device inside your home, basement, garage or near a window.
- Don’t run a car or truck inside a garage attached to your house, even if you leave the door open.
- Don’t burn anything in a stove or fireplace that isn’t vented.
- Don’t heat your house with a gas oven or portable grill.
- Only use generators outside, more than 20 feet away from your home, doors and windows.
- Seek prompt medical attention if CO poisoning is suspected and you are feeling dizzy, light-headed or nauseous.

Follow us on Facebook at www.facebook.com/pages/Safe-Kids-Fayette-County/91901343364.