Simulation Training in OB Emergencies
by Sarah R. Kinder, DNP, APN, Assistant Professor, Department of OB/GYN

How many times have you been on an airplane and there was turbulence or an emergency of some sort? Not too often, I’m sure. Pilots practice these rare events using simulators to prepare for these infrequent events. In the same way, the Institutes of Medicine have recommended that health care professionals should implement interprofessional simulation drills in obstetrics to improve communication and skills when these rare events happen. The big issue with simulation equipment is that it is very costly to purchase just one manikin, and that does not even include the technician to run the simulation drills. Many hospitals do not have the funding, space, or staff to have a manikin at their facility.

ANGELS and the UAMS Center for Simulation Education have partnered to provide obstetrical and neonatal simulation outreach to hospitals in Arkansas, allowing providers to practice these rare events in a safe environment. The simulation team consists of Margaret Glasgow, RNC-OB, Tesa Ivey, APRN, William Greenfield, MD, Kim Miller, MEd, MCHES, Amy Moses, M.S.Ed., DeWayne Allen, Stacey Johnson, APRN, and Sarah Rhoads Kinder, PhD, DNP, APRN. Since April, the simulation team has traveled to various areas of the state.

Over 120 physicians, nurses, and health care staff from the following hospitals have attended the simulation drills: Ashley County Medical Center, Drew Memorial Hospital, White River Medical Center, Chicot Memorial Medical Center, and Bradley County Medical Center. Participants who joined in the drills received one hour of continuing nursing education or continuing medical education through learnondemand.org. Evaluations and comments about the program have been overwhelmingly positive. We would like to thank the following physicians who participated in the interprofessional drills – Dr. Kara Worley, Dr. Mary Susan Henderson, Dr. Angela Myles, Dr. Walt Davis, Dr. Stewart Rushton, Dr. Julia Nicholson, Dr. Dichelle George, Dr. Meriden Glasgow and Dr. E.J. Jones.

Feeling tied to the computer?
by Barbara Smith, RN, BSN, CPC, Director, Guidelines, ANGELS and Sarah R. Kinder, DNP, APN, Assistant Professor, Department of OB/GYN

ANGELS has transformed our website into a new, modern Web application that is mobile friendly for devices such as smart phones and tablets. Best practices for obstetrics, neonatology, and pediatrics at your fingertips wherever you are!

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Pediatric Report
by Shannon Lewis, Medical Services Administrator

**Tele-Nursery**

Dr. R. Whit Hall, professor in Neonatology, has been conducting weekly tele-nursery rounds since 2007. There are 26 nurseries that have the ability to connect. Tele-nursery meets at 0815 M/W/F for a brief census rounds, and help facilitating transports and back transports. Questions are answered, consults are done, follow up on your transported patients is given, discussions about best practice, and promotion of regionalization.

Along with tele-nursery, Dr. Hall has just completed (November 2014) a project using tele-intubation. The project, Enhanced Resident Intubation Using a Tele-laryngoscope in Neonates, uses a video-laryngoscope that allows for high definition visualization during training on a neonatal manikin. He has also used this technology to assist a community doctor with intubation training. His plan is to help adapt this technology to help community doctors with intubation. One of our other neonatologist, Dr. Francesca Miquel Verges, utilized the equipment at Washington Regional Medical Center in Fayetteville to train and educate their respiratory therapists on intubation. She will continue to do outreach teaching to physicians and to those whom within their scope of practice perform intubations.

**Peds PLACE**

Peds PLACE (Physician Learning and Collaborative Education) has been a very successful teleconference since its debut in 2007. It is broadcast live from ACH every Thursday from 12:10-1:10pm CST. Peds PLACE is interactive and focuses on common problems that practitioners may face in every day practice. For example, in September of this year, Dr. Jose Romero, professor in Infectious Disease, presented some very pertinent information on what pediatricians should know regarding Enterovirus D68. In the fall of this year, the U.S. experienced a nationwide outbreak of Enterovirus D68 that was associated with severe respiratory illness. Peds PLACE was a great forum to discuss with practitioners the most up to date information.

To learn more about Peds PLSCE, please visit us on You Tube: http://youtu.be/v27Ed_cjnVQ

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**New guidelines written since July 2014:**
- Management of First Unprovoked Seizure in Children
- Home and Outpatient Management of Children and Adolescents with Type I Diabetes
- Severe Combined Immunodeficiency Disease/T-cell Lymphopenia: Newborn Screening
- Concussions and Sports Safety
- Pediatric Foreign Body Aspiration/Ingestion

**New guidelines coming in the spring:**
- Pediatric Obesity
- Reducing Radiation Exposure in Children undergoing Computed Tomography
- Safe Sleep
- Appendicitis

*We invite you to join this exciting network and participate in guideline development by sending your comments and suggestions for improvement to cdbeducation@uams.edu.*

Please add this as well:

**LearnonDemand.org**

ANGELS Programs available
- Abdominal Pregnancy
- Medical Informatics
- Baby Led Breastfeeding: What Happens When the Baby Leads the Way
- Gestational Trophoblastic Disease
- 17P: Role of Progesterone in Preterm Birth
- Obstetrical Emergencies: Key Points to Remember
- Breastfeeding Beyond the Neonatal Period

Log on today and receive FREE continuing education.
Arkansas e-Link Update
by Brenda Pick, BA, Project Manager

Healthcare providers continue to discover ways to use the Arkansas e-Link network. One example is the use of interpretation services for non-English speaking ANGELS high-risk obstetrical patients. This population averages 35 interactive video consultations per month. Statistics indicate that the use of a qualified medical interpreter can significantly impact healthcare by reducing errors while improving patient safety.

In mid-October, UAMS teamed up with officials from the Arkansas Department of Health to deliver six webinars on Ebola Preparedness. This panel of experts provided information, answered questions, and allayed fears of health professionals all over Arkansas. There were 137 video connections that participated in these webinars. This is a prime example of how pertinent information can be disseminated quickly to hospitals and clinics statewide.

The Center for Distance Health was invited to demonstrate telemedicine technology at the Global Technology Expo Deployment Demonstration Expo recently held at Heifer International in Downtown Little Rock. Over 70 country directors from 40 countries attended the meeting which also demonstrated clean water technology, self-sustaining water well pumps along with bio matter to energy self-contained systems. The country directors were interested in the telemedicine component and how this technology could be used to deliver much needed healthcare in rural areas of their home countries. Conversely, Heifer CEO Pierre Ferrari inquired about how telemedicine technology could be adapted in the health care of large animals. Heifer International is known worldwide for its efforts to provide livestock to impoverished areas around the world to give local residents a means to be self-sustaining.

Examples of and links to CME/CE available via telehealth:

https://learnondemand.org/default.aspx

Arkansas e-Link continues to work toward obtaining funds through the Healthcare Connect Fund (HCF) for the e-Link Consortium (for those that qualify per HCF eligibility requirements).

If you’d like to discuss what others are doing or have ideas to further leverage the e-Link network, email us at arkansaselink@uams.edu or call 501-603-1280.

To find out where Arkansas Telehealth sites are located in each county, go to http://telehealth.uamsweb.com/telemedicine-in-your-town/

Arkansas Fetal Diagnosis and Management Program Update

By Shannon Barringer, M.S., C.G.C. Program Manager, Arkansas Reproductive Genetics Program / ANGELS

The Arkansas Fetal Diagnosis and Management Program (AFDM) enrolled over 85 new families into our program during the Fall of 2014. These families are carrying babies with birth defects or genetic diseases requiring specialized case management and intervention. In addition to taking care of our families, AFDM wants to educate and provide more continuity of service to our referring providers. We are actively traveling to interested clinics/physicians’ offices to discuss our goals and promises, obtain feedback from providers, and improve our processes. Interested physician groups can call Lori Gardner, RN at 501-296-1700 to request such a visit. In addition, if your clinic has referred a patient to us that turned out to have fetal abnormalities, we can include you on our monthly case conferences. These are held via telemedicine and would enable you to obtain pre-and postnatal updates, as well as ask further questions.

To highlight a few of our recent cases and activities:

- A baby was diagnosed prenatally with cloacal extrophy through the use of targeted ultrasound and fetal MRI. This is a condition that occurs in approximately 1 in 400,000 births. It causes the bowel and bladder to be on the outside of the baby’s abdomen and can cause external genitalia to be abnormal.
- AFDM helped to coordinate the first annual collective Arkansas Wave of Light Remembrance Ceremony on the steps of the AR Capitol Building, October 15th. This was a gathering of patients, families, and caregivers in order to remember and celebrate the lives of babies who have passed away.
- We are following two families affected by NAIT (Neonatal Alloimmune Thrombocytopenia). NAIT can cause babies to have bleeding in their brains and other organs at birth, because blood clotting platelets are too few. This is a relatively rare condition, but can be worse in subsequent pregnancies. We have been able to coordinate weekly infusions of medications for our two moms, in hopes of drastically reducing the risks for recurrence.
2014 has been a year of significant change for all of healthcare, and the Angels Call Center is focused on streamlining services as a result. Realizing that there have been many new things to learn and remember as the Affordable Care Act continues to evolve and expand, we are creating a new service protocol that is strictly focused on the referral process for patients requiring specialized obstetrical or gynecological care. We are dedicating staff exclusively to this process, ensuring consistency of the expectations and requirements involved in the process of referring and accepting patients into our OB and GYN clinics, as well as developing improved pathways for ensuring that our referring providers are kept informed on the results of their patients visits to our facility. Our hope is to make the referral process as seamless and transparent as possible, and to make the experience easier for both providers and patients. As we develop our processes and plans for improvement, we welcome any comments or suggestions by way of phone calls or messages to our staff.

ANGELS Call Center
By Tammy Bowen, RN, Nurse Project Manager

Telemedicine Update
Roselyn Perkins, MNSc, APN, Telemedicine Clinical Services Director

The ANGELS appointment center is now scheduling appointments at the Eldorado, Arkansas ANGELS site located at Medical Center of South Arkansas. The first official clinic will be on January 13, 2015.

For ANGELS Appointment Scheduling
Call: (501) 526-7425 Or
Toll Free at (866) 273-3835

Reflecting on this past year, I want to say thank you to every Arkansas provider, for supporting your, our patients through partnering with the ANGELS program and utilizing telemedicine appropriately. Together, we continue to make a difference for the state of Arkansas.