Simulation Methodology Instructor / Facilitator Course
February 10 - 13, 2014
Gaumard Education Center 324 Kelly St. Waco, Texas

Simulation-based training/education is increasingly being incorporated into neonatal healthcare education and practice. This 4-day comprehensive course is designed for those who must execute and oversee this new educational modality in their hospital system.

The goal of this course is to prepare participants for all aspects of facilitating simulation-based education methodology: writing scenarios, acting as scenario director, programming and running the Gaumard software, setting up (staging) for simulation, pre-briefing and debriefing. Each participant will have an opportunity to both conduct and participate in simulations.

The question often asked is: where do I start? At the end of this course, participants will be prepared to move forward effectively and comprehensively when establishing or supporting their existing simulation-based neonatal training program.

The Neonatal Stabilization Scenarios, based on the S.T.A.B.L.E. Program curriculum will be reviewed in-depth and the Gaumard Scientific high fidelity neonatal products will be utilized exclusively. However, there will be ample opportunity to learn more about the other Gaumard products, including the birthing simulator Noelle. Other scenarios will also be developed and programmed by the course participants.

What you need to bring to the course:
Because of the interactive nature of this course, each participant is required to bring their own PC laptop (with Windows XP, Windows 7 or 8 OS) or Gaumard tablet. If utilizing a Gaumard tablet with stylus, then please also bring a keyboard and mouse, which will enable you to more easily participate in the programming sessions.

Please also bring a set of work clothes and equipment (scrubs, comfortable shoes, and a calculator).
Registration

The registration fee is $1995.00 per attendee. The fee includes handouts, course materials, breaks and lunch each day. You do NOT have to be a S.T.A.B.L.E. learner or instructor to attend this course.

Space is limited to 15 participants. Full payment must be received in order to hold your seat. When a class fills up, you will be offered an opportunity to be placed on a waiting list. Go to www.stableprogram.org / Simulation Menu to register!

This program has been approved by gRN NICU Consulting (California Board of Registered Nurses, Provider Number 15417) for 30.7 contact hours of continuing nursing education.

Cancellation policy

Due to the limited number of seats available, a waiting list will be created when the maximum number of participants are enrolled. If you must cancel your reservation, then your refund will be dependent upon ability to replace your seat. If your seat is replaced, there will be a $50.00 administrative fee assessed. If your seat is not replaced, then you will be notified so that you may make every attempt to find a replacement. If a replacement cannot be found prior to the first course day, you will forfeit half of your tuition.

Transfer to another course: If you must cancel attendance at the course you signed up for, and your seat is replaced, then you may transfer to another future course without any administrative fee. If your seat is not replaced, then you may transfer to another course for a $500.00 fee.

Course Faculty

Kristine A. Karlsen, PhD, NNP-BC, JoDee Anderson, MD, MEd, and the Educational Staff at Gaumard Scientific Education Center

Dr. Kris Karlsen is the author of the S.T.A.B.L.E. Program materials and the Neonatal Stabilization Scenarios curriculum (published in 2012). She is a neonatal nurse practitioner who has been involved in neonatal care as an educator, transport nurse, & clinician for more than 30 years. Dr. Karlsen works clinically in the Intermountain Healthcare system NICUs in Utah. In 2010, she took a lead role in developing a NICU simulation program at Primary Children's Medical Center. In 2013, she helped develop a neonatal and pediatric ECMO simulation program at Primary Children’s. Dr. Karlsen has served as a consultant to Gaumard, Inc. (Miami, FL) a leading manufacturer of high fidelity simulators. In her consultation role, she provided clinical expertise for the development of Gaumard’s neonatal and premature high fidelity mannequins and enhancements to the mannequin software.

Dr. JoDee Anderson is the Medical Director for Simulation at The S.T.A.B.L.E. Program. Dr. Anderson is also an Associate Professor and the Director of Simulation Education for the Department of Pediatrics at Oregon Health & Science University. She serves as Chair of the Education Committee for the Society for Simulation in Healthcare and she was a member of the Board of Directors for the Oregon Simulation Alliance. Dr. Anderson is a practicing Neonatologist, the new Medical Director of the NICU at OHSU, and she has a focus on neonatal resuscitation and stabilization. She has more than 15 years of experience in simulation and she has developed interprofessional simulation curricula to improve the performance of teams in high risk environments. Her area of research involves Crisis Resource Management (CRM)-based behavioral analysis. Together with colleagues she developed and validated the Behavioral Assessment Tool (BAT) for simulation, a widely used and accepted instrument in simulation education and research.
Hotel Accommodation

Hampton Inn & Suites Waco South  2501 Market Place Drive, Waco, TX 76711

1-254-662-9500. The Hampton Inn provides free shuttles to/from the Waco airport and the Gaumard Education Center. Arrange airport transportation with the Hampton Inn prior to your arrival. Breakfast is included each morning at the Hampton Inn.

To receive your special room rate of $109.00 (Single/Double), ask for the S.T.A.B.L.E. Simulation Course. The room block will be released 30 days prior to the course, so reserve your room by January 10, 2014.

Airports servicing Waco, TX: Waco airport (15 minutes from the hotel), Austin, TX (2 hour drive), Dallas, TX (2 hour drive).

Agenda (in brief; subject to change as necessary)

Day 1 / February 10, 2014: 08:00 to 17:00

- Introduction to Simulation Methodology and Debriefing (PowerPoint, video review, discussion).
- Live simulation observation and debriefing.
- Reception 17:30 to 18:30 at the Hampton Inn following course conclusion.

Day 2 / February 11: 08:00 to 17:00

- Introduction to the Gaumard GIGA software. Writing palettes and inserting into branching and linear scenarios. Setting options.
- Small group rotations:
  o Group 1: Neonatal Stabilization Scenarios reviewed in-depth, role assignment, mannequin orientation and staging, planning first scenario run.
  o Group 2: Debriefing and Crisis Resource Management Communication, video review, behavioral objectives worksheet, tools to assist debriefing, difficult learners and debriefing challenges / discussion.
  o Group 3: All about using GIGA and the high fidelity neonatal mannequin. How to calibrate the mannequin, connect to the vital signs monitor, how to make changes on the fly, using the CPR evaluator, loading the veins and umbilical cord with blood, post-simulation care of the mannequin, troubleshooting problems.

Day 3 / February 12: 08:00 to 17:00

- Simulation runs 1, 2, and 3: videotaping of scenarios and debriefing.
- Small group work (rotations): debriefing video review, programming group original scenario into GIGA. Preparing for group scenario run on Day 4.

Day 4 / February 13: 08:00 to 16:30*

- Simulation runs 1, 2, and 3 with debriefing.
- Personal need time with faculty; Problems and Challenges in Simulation Facilitation (discussion).
- Wrap-up, Evaluation and Adjourn.

*if departure must occur before 16:30, please plan to stay until at least 15:00 today.
Overall Course Learning and Skills Objectives
Upon completion of this course, participants should be able to:

1. Describe at least two pros/cons of simulation-based education as a learning and training tool.

2. Demonstrate these skills (not CE eligible):
   a) Basic programming to achieve production of a branching scenario using the GIGA software.
   b) Properly set up the simulation environment to run a complex scenario.

3. Discuss essential elements of simulation methodology.
   a) Describe at least three elements of a well-designed scenario.
   b) List examples of student pre-briefing (i.e. mannequin orientation, orientation to the simulation environment, issues of confidentiality and consent).
   c) Describe strategies that can be used to enhance and create the simulation environment as much as possible (physically and economically).
   d) List three ways to improve realism and believability during simulation.
   e) Describe one or more ways to create a safe learning environment.
   f) Demonstrate execution of a simulation event using a facilitator and co-facilitator/technician and team support personnel (phantom, actor), including debriefing.

4. Describe three behavioral aspects of crisis resource management that may improve team performance during a crisis.

5. Explain the three stages of debriefing and then demonstrate their use during a debriefing session.

6. Explain at least two debriefing “do’s and don’ts”.

7. Describe two examples of difficult learner situations.