PEDIATRIC SIMULATION

Simulation based medical education is an integral component to pediatric medical training, and the use of simulation in pediatric education has rapidly expanded in the past 10 years. In the face of duty hour restrictions, calls for increasing faculty supervision, and need to document ongoing competency, simulation will be a key ongoing training tool.

A few of the highlights of our current simulation curriculum are as follows: Third year medical students participate in a simulation course that reviews asthma management, cardiorespiratory compromise, and shock management during their pediatric rotation. Fourth year medical students participate in pediatric specific simulation sessions as part of their Internship 101 course. Pediatric residents participate in a procedure course that includes pre-course online didactic training in combination with hands on training of required procedures. Additionally, our residents participate in a resuscitation course that focuses on team-work training, running codes as well as other high-risk scenarios. Mock codes using high and low fidelity simulation are run routinely in many of our units. Several members of our Pediatric faculty have also developed individualized subspecialty specific simulation curriculums.

Goals of our MUSC Simulation team will be to streamline and bolster our pediatric simulation education curriculum. We plan to create a committee of faculty members who are interested in incorporating simulation into their educational portfolio. By reducing barriers and increasing utilization of our state of the art simulation center we can hope to:

1. Work with pediatric resident education coordinators as well as pediatric fellowship directors to help implement simulation programs into their rotations/curriculum to use simulation to optimize education programs.
2. Develop a procedural simulation course for MUSC Pediatric faculty to enhance maintenance of skills.
3. Help MUSC physicians and teams partner with local referral groups to create better care for children in the Lowcountry.

Please email me if you are interested in joining forces or have questions or ideas about incorporating simulation into your rotation or curriculum. (selden@musc.edu). Also please visit the updated Simulation Center Website [https://www.musc.edu/simulation](https://www.musc.edu/simulation) for details regarding the facility.