



# Integrating SIM Sessions

Enhancing education through simulation





## ***Disclosure Slide***

- Speaker: Amber Sayer
- Relationships with commercial interests:
  - N/A
- Speaker: Dr. Stacy Desilets
- Relationships with commercial interests:
  - N/A



# ***Agenda***

- Benefits of Simulation Learning
- Focus on Student Learning
  - Intro Session
  - Bootcamp
  - Ongoing workshops
  - Student Teaching
- Focus on Physician Learning
  - Sim Lab Simulation Sessions
- Conclusions





## ***Are their Benefits to SIM Learning?***

- Not a huge number of studies, but the answer is Yes!
  - Simulation improves learned skills (Grantcharov et al. 2004)
  - Simulation improves guideline adherence (Shavet et al. 2007)
  - Residents trained by simulation performed ACLS skills in clinical settings better than those without simulation practice (Wayne et al. 2008)
  - Anesthesia residents trained with Simulation outperformed colleagues in intraoperative settings (Bruppacher et al. 2010)



# Focus on Student Learning





# ***Intro Session***

- When:
  - During orientation week
- Facilitator:
  - SIM Lab Coordinator
- Purpose:
  - Get to know the SIM Lab
  - Chance to ask questions
- Skills:
  - ACLS





# ***Bootcamp***

- When:
  - The week after orientation
- Facilitator:
  - SLC and Physicians
- Purpose:
  - Ensure all students have a chance to practice necessary skills for beginning CCC rotation
- Skills Focus:
  - ACLS - rhythm interpretation
  - NRP
  - Obstetrics
  - Focused physical exams







# *Ongoing Workshops*

- When:
  - Once per month
- Facilitator:
  - Physician
- Purpose:
  - Practice skills
  - Try skills not seen in clinic
- Skills focus:
  - Airways
  - Obstetrics
  - Trauma
  - Pediatric emergencies
  - Respiratory emergencies







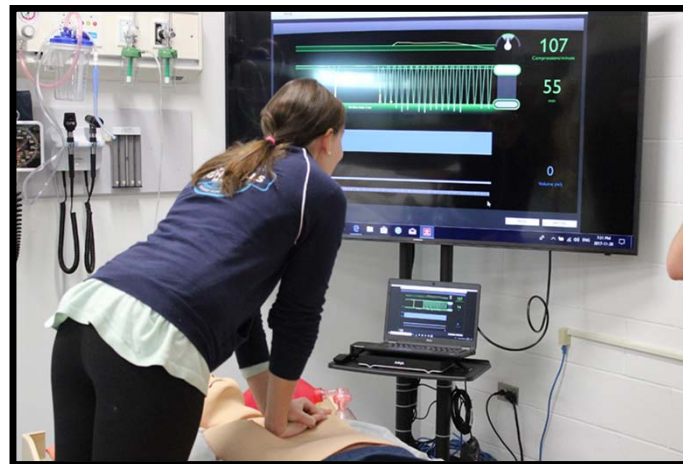
# *Students as Teachers*

- When:
  - 2 times per academic year
- Facilitator:
  - CCC Students with a resident or faculty physician
- Purpose:
  - Show high school students the process of managing a trauma patient
- Skills:
  - Suturing
  - Casting
  - Airways
  - Diagnostic Imaging





# Focus on Physician Learning





# ***SIM Lab Teaching Sessions***

- When:
  - 2 Sunday's per month from 4-6pm
  - drop-in
- Facilitator:
  - Hired a SIM coordinator
- Purpose:
  - Give physicians a chance to practice skills as a team, debrief
- Skills:
  - Pediatrics
  - Airways
  - Ultrasound
  - Trauma
  - Sepsis





## ***Conclusion***

- Simulation activities are a great way to acquire or maintain clinical skills
- Can improve communication skills among team members
- Provides an opportunity to practice low volume skills in a low pressure situation
- Allows for in the moment feedback and the ability to “try again”





# *Questions??*

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