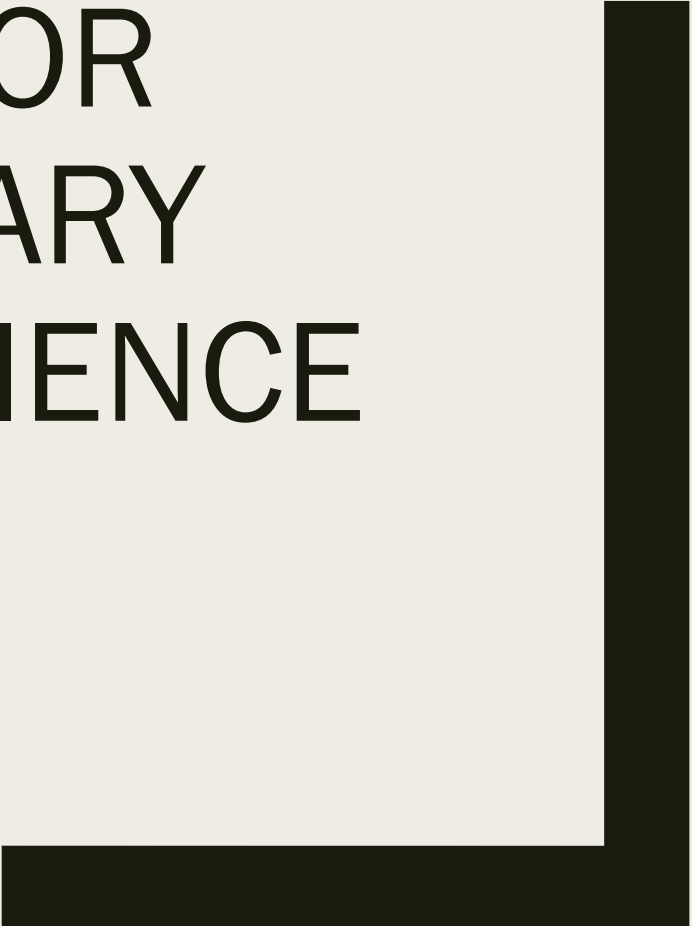




PRE-BRIEFING FOR CARDIOPULMONARY SIMULATION EXPERIENCE

By: Stephanie Efenecy, SPT
Class of 2024



About Me



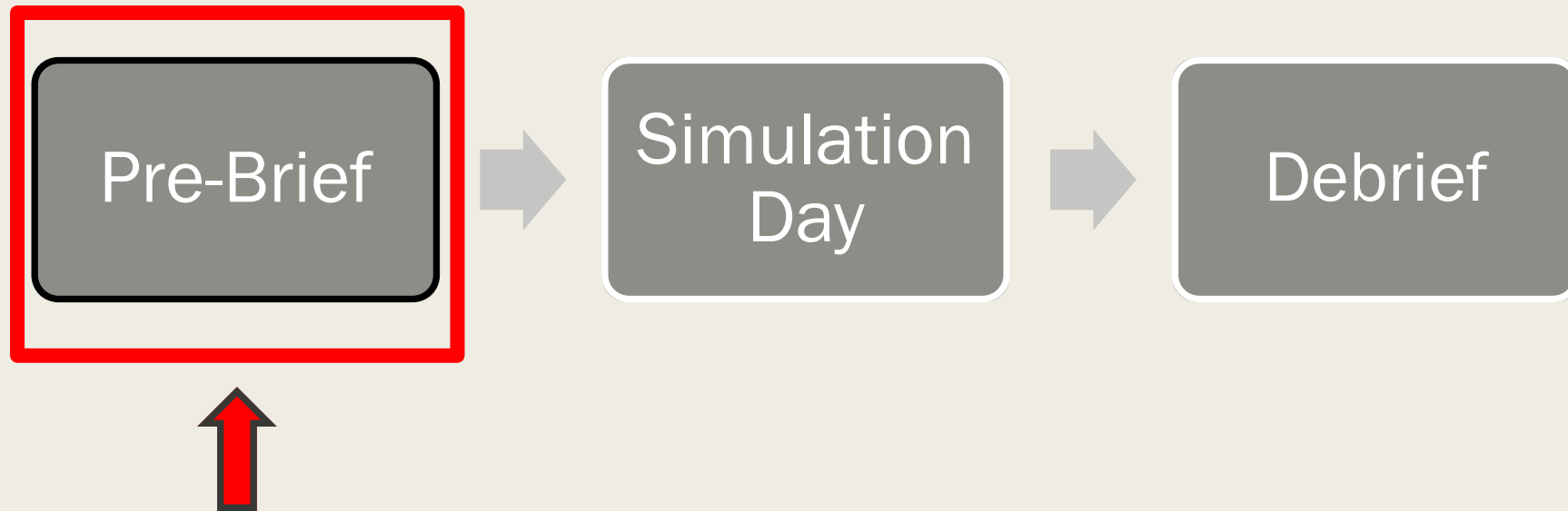
- UNC DPT Class of 2024
- Undergraduate at UNC
 - *BA in Exercise Sport and Science*
 - *Minor in Chemistry and Spanish for Medical Professions*
- Clinicals
 - *Outpatient: Craven Spine & PT (New Bern, NC)*
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Learning Objectives

- To understand the 3 step Simulation Experience
- To provide students with the logistical details of simulation day
- To clarify what is expected of the student on simulation day
- To learn the purpose and benefits of participation in simulation experiences for clinical applicability and real-life practice
- To reduce participant stress or fear related to participation in Cardiopulmonary Mock Simulation Day

Simulation Experience



This is what we will accomplish today

Hughes et al, 2023
Abulebda et al, 2022
Chamberlain, 2017

Maslow's hierarchy as a framework for the simulation pre-brief





LOGISTICS



Simulation Day



Date: Monday June 10th



Time: 9:00am - 1:30pm



Location: Roper Hall

What to Wear & Bring



To wear:

Clinic attire or scrubs

Closed toed shoes

UNC badge



To bring:

PT kit

Notepad & writing utensils

Clipboard

Water & snack

Group Assignments

- Students will sign up for time slot with 3 additional students on sign-up sheet
- Your group will be divided into 2 pairs
 - *The faculty & moderators present will facilitate pairing*
- Each pair will be assigned a clinical scenario to work through
- While one pair works through the clinical scenario, the additional 2 classmates will be present in the room observing



Overview of Simulation Day

- Arrive 15-20 minutes before your allocated time
- Simulation Lab (2.5 hours)
 - *Introductions*
 - *Strategize cases with group*
 - *Case 1 Evaluation by 2 students*
 - *Transitions*
 - *Case 2 Evaluation by 2 students*
 - *Debriefing*
- Reflection (1-2 pages) due via Canvas

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STUDENT LEARNING
OBJECTIVES, EXPECTATIONS,
AND GOALS

Student Learning Objectives of Simulation Lab

By the end of simulation day, learners will...

1. Perform a patient interview in a specified practice setting
2. Perform a physical therapy objective examination
3. Practice management of lines and leads typical of the setting
4. Monitor and respond to changes in patient status in real time as if you were in a clinic environment
5. Practice communication with interdisciplinary team

Student Expectations

- You are responsible for fully engaging in the simulation and playing an active role
 - *Hughes et al, 2023*
- Respect your classmates & allow everyone equal opportunity to practice in a safe learning environment
- Do not discuss the simulation outside of the experience with classmates to help maintain confidentiality
 - *Stephenson et al, 2016*

Student Goals

- PRACTICE, PRACTICE, PRACTICE
 - *This is a NO-RISK, SAFE environment*
- Develop skills and knowledge in a clinic environment
- Work to bring together concepts from all through the 1st year as you are embarking on your 1st clinical
- Improve teamwork and communication with involved personnel
- Increase confidence in clinic environment

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CLINICAL APPLICABILITY OF SIMULATION LABS

Importance of Pre-Briefing Students

- Perceptions of overall simulation effectiveness, learning and self confidence were significantly higher with pre-briefing compared to non pre-briefing
 - *Chamberlain, 2017*
- Pre-Briefing affects satisfaction, increased participation, and overall effectiveness of simulation
 - *Elfrink et al., 2009*
- Maximizes participants learning experience
 - *Stephenson et al., 2016*
- Structured pre-briefing can improve nursing-students' self-confidence for problem solving, clinical judgement, and clinical decision making
 - *Kim et al., 2019*

Why does UNC DPT utilize health–based simulation experience?

- Nursing students, cross-sectional study (Moloney et al, 2022)
 - *Reports that simulated experiences were “worthwhile,” “motivating,” and “important opportunities to build on previous learning, increase confidence and gain experience in preparation for real-life practice”*
 - *Effective in building critical thinking, clinical decision-making, and problem-solving skills → practice-ready professionals*
- Simulation based experience can... (Al-Elq, 2010)
 - *Improve confidence in performing life saving skills, clinical skills, communication skills, and quality of care*
 - *Reduce risks to both patients and students*

Key Takeaways

- Come prepared
- This is NOT graded!
- Do not be afraid of trying and making a mistake
- This is YOUR learning experience, so make the most of it!



QUESTIONS?

Reminders



Date, Time, Location

Monday, June 10, 2024

Roper Hall

9am- 1:30pm



To wear:

Clinic attire or scrubs

Closed toed shoes

UNC badge



To bring:

PT kit

Notepad & writing
utensils

Clipboard

Water & snack

References

1. Hughes PG, Hughes KE. Briefing Prior to Simulation Activity. [Updated 2023 Jul 24]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK545234/>.
2. Moloney M, Murphy L, Kingston L, et al. Final year undergraduate nursing and midwifery students' perspectives on simulation-based education: a cross-sectional study. *BMC Nurs*. 2022;21(1):299. Published 2022 Nov 6. doi:10.1186/s12912-022-01084-w.
3. Somerville SG, Harrison NM, Lewis SA. Twelve tips for the pre-brief to promote psychological safety in simulation-based education. *Med Teach*. May 21, 2023:1-8. doi:10.1080/0142159X.2023.2214305
4. Abulebda K, Auerbach M, Limaiem F. Debriefing Techniques Utilized in Medical Simulation. [Updated 2022 Sep 26]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK546660/>
5. Chamberlain J. The Impact of Simulation Prebriefing on Perceptions of Overall Effectiveness, Learning, and Self-Confidence in Nursing Students. *Nurs Educ Perspect*. 2017;38(3):119-125. doi:10.1097/01.NEP.0000000000000135
6. McDermott DS, Ludlow J, Horsley E, Meakim C. Healthcare simulation standards of best practice for prebriefing: preparation and briefing. *Clinical Simulation in Nursing*. 2021;58:9-13. doi:10.1016/j.ecns.2021.08.008.

References (cont.)

7. Adams, J. Simulation Instructor Course. UNC Health Science at MAHEC; 2021: pages 1-50. Accessed February 1, 2024.
8. Kim HK, Ryu S, Jang KS. Effect of structured pre-simulation preparation and briefing on student's self-confidence, clinical judgment, and clinical decision-making in simulation. *Contemp Nurse*. 2019;55(4-5):317-329. doi:10.1080/10376178.2019.1641420.
9. Elfrink VL, Nininger J, Rohig L, Lee J. The case for group planning in human patient simulation. *Nurs Educ Perspect*. 2009;30(2):83-86.
10. Al-Elq AH. Simulation-based medical teaching and learning. *J Family Community Med*. 2010;17(1):35-40. doi:10.4103/1319-1683.68787.
11. Rudolph JW, Raemer DB, Simon R. Establishing a safe container for learning in simulation: the role of the presimulation briefing. *Simul Healthc*. 2014 Dec;9(6):339-49.
12. Stephenson E, Poore J. Tips for Conducting the Pre-Brief for a Simulation. *J Contin Educ Nurs*. 2016 Aug 01;47(8):353-5.