Implementing a Reverse Case Study Interactive Design in the Classroom

Background
- Case studies help promote a culture of quality and safety in the classroom setting.
- Diverse methods of challenging student cognition and critical thinking are needed while incorporating higher levels of Bloom's Taxonomy.
- Reverse case study provides a rich academic challenge while adequately representing the responsibilities of the bedside nurse.

Methods
- In-class small group assignment in a Pharmacology III course.
- Randomly assigned to groups of 5.
- Two hour assignment:
  - First hour: dedicated to the first three objectives.
  - Second hour: students were given additional patient information to complete the remaining objectives.
- Could utilize any/all resources available.

Purpose
- Enable students to demonstrate "collective competence" within groups.
- Provide an interactive and collaborative team approach to nursing.

Objectives
- Develop an admission medication reconciliation.
- Identify potential drug-drug interactions with physiologic manifestations.
- Develop a probable past medical history list, and probable reason for admission.
- Identify medications appropriate for discharge.
- Developing a client centered discharge teaching plan.

Results
- Encouraged collaboration, teamwork, prioritization, and critical thinking.
- Students reported:
  - "This was a challenging but engaging assignment."
  - "I felt very stressed, but being able to talk to my group helped solidify my knowledge."
  - "It was fun being able to build my patient...very mysterious!"
  - "Before this assignment, I never realized the nurse's responsibility with discharge medications. I feel honored to be responsible for the patient's well-being."
- Students gained perspective of the bedside nurse's responsibility when admitting a patient who cannot give a clear history.

Conclusions
- Varied approaches to learning will better prepare students for board certification and entering into practice.
- Emphasis on the complex nature of quality and safety required of a licensed provider.
- Reverse case studies allow students to utilize the higher domains of applying, analyzing, evaluating, and creating in Bloom's Taxonomy to demonstrate the full spectrum of the taxonomy.

References