



A Multidisciplinary Simulation: TAKING NURSING EDUCATION BEYOND NURSING

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Objectives:



- ▶ Identify how simulation may be integrated into a course using an multidisciplinary approach.
- ▶ Explain the design process for creating a multidisciplinary simulated experience.
- ▶ Incorporate a realistic and holistic patient care team approach of the hospitalized patient.
- ▶ Disseminate the student responses obtained from the evaluation tool.



Steps in Assessing:

- ▶ Identify a current health care issue.
 - Hospital Quality Care Concerns
 - Joint Commission Requirements
 - Evidence-Based Practice

Determine the team members and experts.

Physicians, Case managers, Social workers, EMT/EMS, Nurses, RT, and other health care workers.



Steps in Planning:

- ▶ Design a scenario that would require a multidiscipline team.
- ▶ Correlate these issues during the appropriate clinical rotation for the nursing student.
- ▶ Contact other team members—M.D., RT, Pharmacy, Surgical Team, Nurse Anesthesia, Nurses, etc.

Steps in Planning:

- ▶ **Simulation Specialist:** Coordinates medical supplies, medical charts, moulage and other equipment needed to create the environment.
- ▶ **Arrange for photography and video capture.**
Valuable teaching tool for review and debriefing.
- ▶ **Set up and rehearse simulation scenario with all team members.**
Decreases anxiety and better production of simulation experience.

Learning Activities for Implementation:



- ▶ Professional presentations by allied health team members: MD, RT, CRNA
- ▶ Simulation Laboratory Experience: Present scenarios
- ▶ Cadaver Lab: Provides gross anatomy correlation of disease process presented in simulation lab.
- ▶ Interactive post conference–Debriefing–Very important step for completion of learning.



Student Preparation for Simulation

Prior to Simulation Experience:

- Objectives of scenario were given to students.
- Questions about the disease process.

Day of Simulation Experience:

- Students received report on the patient.

Creating an Evaluation Tool:

- ▶ Evaluate objectives
- ▶ Evaluate learning activities
- ▶ Evaluate professional health care presenters
- ▶ Provide an area for student comments



Lights, Camera , Action: Live !

A Multidisciplinary Simulation

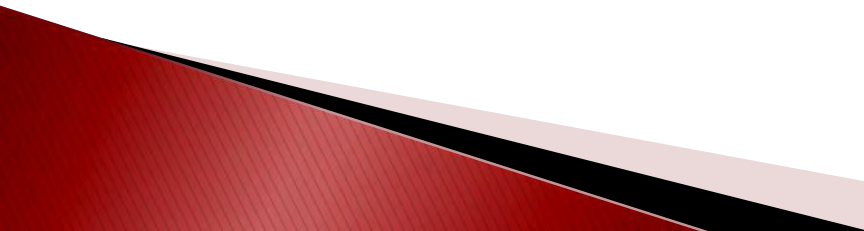
High Risk Obstetrical –Prolapsed Cord

**Director:
Joy Thomason
aka "Clint Eastwood"**

**Sound: Jessica Suiter
Camera: Sherrie Turner**

**Production Co.
Union University
Jackson, Tennessee**

Student Evaluations for OB:

- ▶ Used a Likert Scale– Avg. 4.5
 - ▶ Theme comment– Each student wanted the experience of participating in the simulation scenario.
 - ▶ Other comments– Simulation scenario stressed the importance of team work and clear communication.
 - ▶ Students requested more of these opportunities with the multidisciplinary team approach.
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Lights, Camera , Action: Live !

A Multidisciplinary Simulation

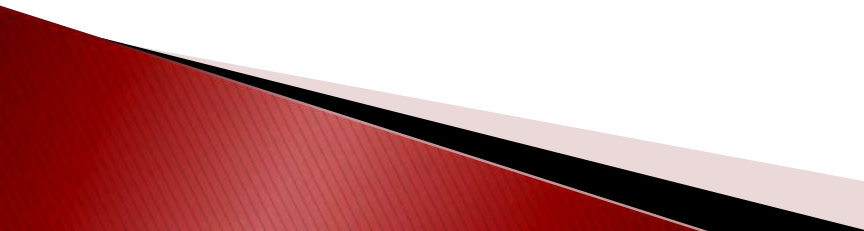
Acute Respiratory Distress Syndrome

**Director:
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Student Evaluations for ARDS:

- ▶ Used a Likert Scale– Avg. 4.5
 - ▶ Theme comment– Not enough time allotted for simulation scenario.
 - ▶ Other comments– Simulation scenario stressed the importance of team work.
 - ▶ Students were captivated by the cadaver station.
 - ▶ Students requested more of these opportunities with the multidisciplinary team.
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Actors in Order of Appearance

Meredith Lytle
OB/GYN Doctor
Patient Voice
Nurse Supervisor
OR Scrub Nurse
Circulating Nurse
Nurse Anesthesia

John Parker
Pulmonologist
Respiratory Therapist
Cadaver Lab Instructors

Nurses

Noelle Gaumard
Dr. Keith Williams
Jessica Suiter
Joy Thomason
Molly Wright
Sheilla Foster
Union University
SRNA Nursing Students
iStan Meti
Dr. Jeff McCartney
Randy Walker
Dr. Tim Smith
Dr. James Huggins
Union University
Nursing Students

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