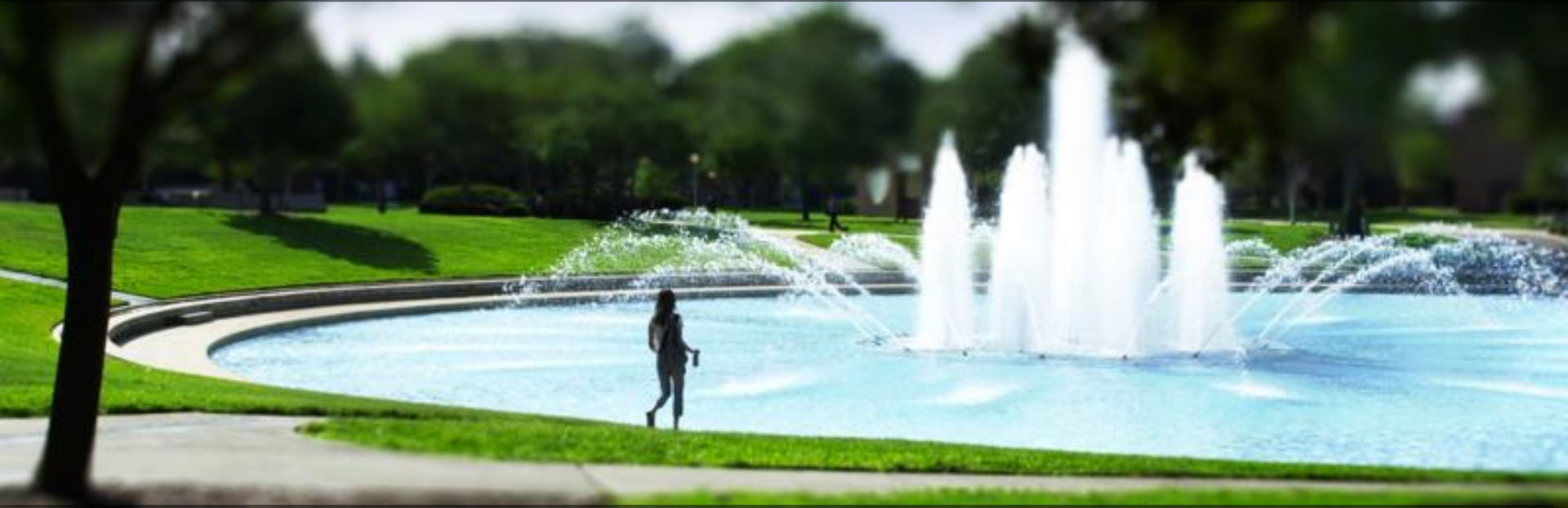


# Examining the Use of a Digital Clinical Patient in the Online Classroom Environment



Linda Gibson-Young, PhD, ARNP



UNIVERSITY OF CENTRAL FLORIDA



# Background

- Advances in graduate nursing education:
- Greater access through online delivery
  - Laboratory implementation of high fidelity simulators
  - Increased faculty and student engagement through innovative technologies



# Challenges

Faculty must provide opportunities online for their students to prepare students for the valuable time spent face-to-face in resource-intensive clinical laboratories.



# Turn Challenges into Opportunities

The digital clinical experience help students to:

- Effectively apply advanced health assessment skills and techniques
- Further develop diagnostic reasoning and skills





# Digital Clinical Experience





# Opportunities

Numerous advances have been made in graduate nursing education curriculums across the United States including:

- Greater access through online delivery
- Laboratory implementation of high fidelity simulators
- Increased faculty and student engagement through innovative technologies



# Overview of Course

1. Demonstrate advanced knowledge of health assessment
2. Apply concepts of clinical decision making and diagnostic reasoning
3. Generate complete, focused, and specialized clinical examinations
  - health history
  - physical exam
  - differential diagnoses



# Overview of Course

- Background of Students
  - Mean age, 30 years (range 24-58 years)
  - Nursing experience (range 1 year-30 years)
  - Technology literacy and illiteracy
- Course approach offered online and hybrid
  - 30 mandatory lab hours
  - Hybrid recommends students attend every other week for 2 hours





# Course Requirements

- Required Texts:
  - Seidel, H. M., Ball, J. W., Dains, J. E., Flynn, J.A., Solomon, B.S., & Stewart, R.W. (2011). Mosby's guide to physical examination (7th edition). St. Louis: Mosby.
- Required Software:
  - Create account by visiting <https://app.shadowhealth.com/>



# History

Module 1



[Assignment](#) [Instructions](#) [Patient Chart](#) [Transcript](#)

[Focus Notes](#)

## Learning Objectives

- Investigate Tina Jones' comprehensive health history
- Complete focus notes on Tina Jones' chief complaint and health history
- Address questions concerning advanced clinical concepts related to the module
- Write self-reflections after completing exam
- Review and submit results to instructor for feedback

## Conduct a History exam by evaluating:

- Chief complaint (CC)
- History of Present illness (HPI)
- Medications (Meds)
- Allergies (ALL)
- Past Medical History (PMH)
- Surgical History (Surg)
- Immunizations (Imm)
- Social History (SH)
- Safety
- Family Culture
- Spiritual History
- Review of Systems (ROS)

Complete Exam



# HEENT

## Module 2

Inspection

Auscultation

Palpation

Instruments

Tests

Ask Mom to Leave

[Click here to type questions to Tina.]

Communication

[Assignment](#)
[Instructions](#)
[Patient Chart](#)
[Transcript](#)

[Focus Notes](#)

### Learning Objectives

- Perform a complete HEENT exam of Tina Jones
- Complete focus notes on Tina Jones' HEENT exam
- Address questions concerning advanced clinical concepts related to the module
- Write self-reflections after completing exam
- Review and submit results to instructor for feedback

### Conduct a HEENT exam by evaluating:

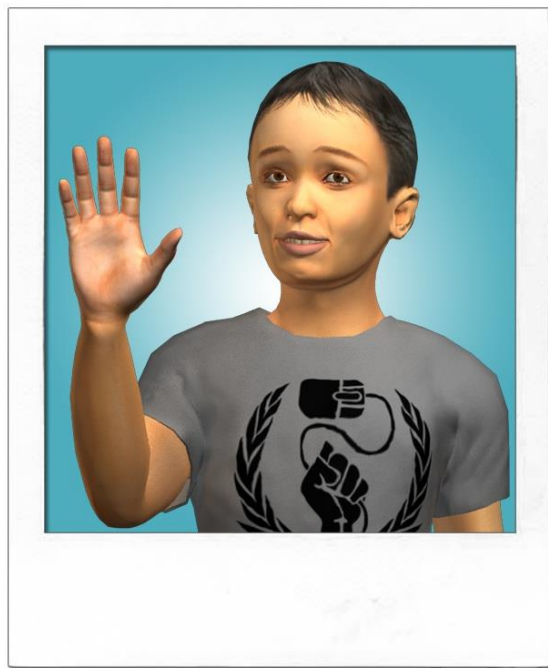
- Head
- Neck
- Eyes
- Ears
- Nose
- Throat
- Lymph nodes

Complete Exam





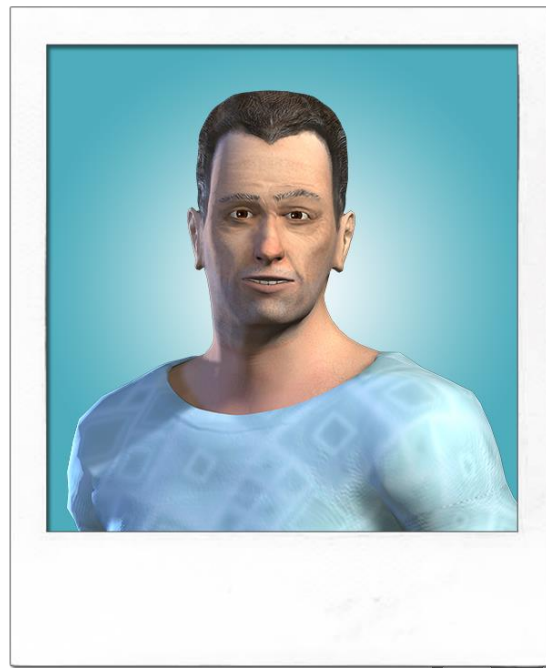
# Brian





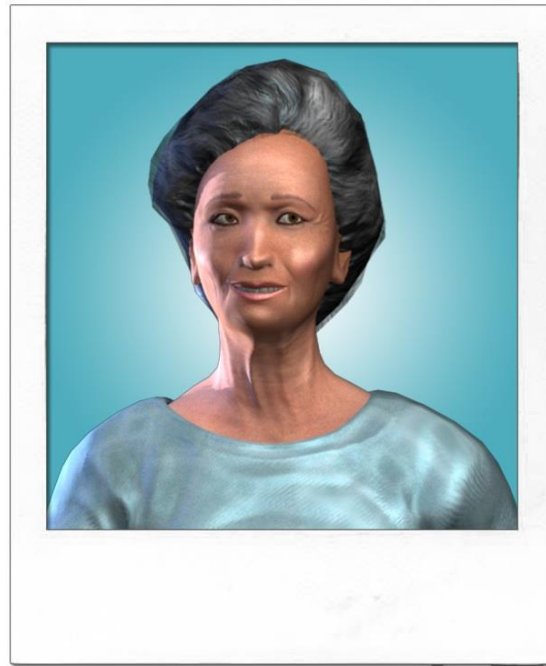


# Brian








# Esther





# Assessing Students of DCE

Due	For	Available from	Until	
Jun 2 at 11:30pm	Everyone	-	-	
TINA Rubric   				
Criteria	Ratings			Pts
Completion of History	Full Marks 3 pts	Partial, needs improvement on skills 2 pts	Needs much improvement 1 pts	3 pts
Completion of Critical Application questions	Full Marks 2 pts	Partial, needs improvement on accuracy of content 1 pts	No Marks 0 pts	2 pts
Examination of Tina	Thorough, complete 5 pts	Partial, needs improvement on skills 2 pts		5 pts
Accuracy of Exam	Full Marks 2 pts	Partial, needs improvement on accuracy of exam 1 pts	No Marks 0 pts	2 pts
Self-reflection	Full Marks 3 pts	No Marks 0 pts		3 pts
Total Points: 15				



# Comments or Questions?

