Setting the Stage for Testing and Assessment

Rita D'Aoust, PhD, MS, RN, ACNP, ANP-BC, CNE, FAANP, FNAP, FAAN
Associate Dean for Teaching and Learning
Krysia Hudson, DNP, MS, RN BC
Assistant Professor
Johns Hopkins University School of Nursing

Objectives

- Evaluate didactic material and clinical performance using new Next Generation Evaluation testing

- Create and analyze new Next Gen question formats

- Learn how to score the new test items

- Identify environment – look for ways to test or evaluate students with new format

- Apply Lasater rubric to evaluate simulation

- Compare and contrast different test management technologies when employing Next Generation Questions

Sessions

- **Track 3: Assessing and Evaluating Student's Ability to Make Clinical Judgements**
  - **Session 1**. Overview of Next Generation Questions- Hensel (90 min)
  - **Session 2.**   How to Write   Case Study questions (Highlight, Drag and Drop, Drop Down, Multiple Choice, Multiple Response) - Hensel (90 min)
  - **Session 3.** How to Write Stand-alone questions (Bow-tie and Trend) – Hensel
  - **Session 4.** How to Evaluate Students' Ability to Make Clinical Judgments Using Simulations - D'Aoust and Hudson
  - **Session 5.** Using Test Management/Learning Management Programs to Administer NextGen- type questions for assessment (practice) and evaluation (test) – D'Aoust and Hudson

Sessions

- Made to be "working sessions"

- Wish participants to bring material and develop questions based on:

  - Stand Alone Cases

  - Unfolding Case Study

New NCLEX

Super high functioning/Low functioning

❖ 18 new items

  ❖ 3 Next Gen cases with 6 new questions each

❖ 52 traditional items

❖ 15 unscored items

Standard test

❖ 18 new items
  ❖ 3 Next Gen cases with 6 new questions each
❖ 117 traditional items
❖ 15 unscored items

Sessions

❖ Case Based

    ❖ Unfolding Case

    ❖ Stand alone Case

NGN Questions for UnFolding Case

Highlight
- Text
- Table

Drag and Drop
- Cloze
- Rationale

Multiple Choice
- Multiple Choice
- Matrix Multiple Choice

Drop Down

Cloze

Table

Rationale

Multiple Response

Multiple Response N

Multiple Response ALL

Multiple Grouping

Matrix

(Ignatavicius, 2021, NCSBN, 2021)

Stand Alone Case

❖ Trend

❖ Bowtie

Traditional Multiple Choice

Your patient is taking propranolol for blood pressure. Which of the following conditions are contraindicated when taking propranolol?

a. Anemia

b. Performance Anxiety

c. Asthma

d. Tachycardia

Unfolding Case (Matrix Multiple Choice)

25 yo patient comes into the ED complaining of lightheadedness and shortness of breath. History of asthma. Which of the following nursing actions are **Emergent** or **Non-Emergent**?

Nursing Action	Emergent	Non-Emergent
Enter "NPO" in EHR		
Titrate oxygen to maintain a saturation above 92%		
Sit patient in Semi-high fowlers		
Administer albuterol as per orders		
Place nasal canula to provide humidified oxygen		
Teach patient pursed lip breathing		

(Ignatavicius, 2021; NCSBN, 2021)

Unfolding Case (Matrix Multiple Choice)

25 yo patient comes into the ED complaining of lightheadedness and shortness of breath. History of asthma. Which of the following nursing actions are Emergent or Non-Emergent?

Nursing Action	Emergent	Non-Emergent
Enter "NPO" in EHR		x
Titrate oxygen to maintain a saturation above 92%	x	
Sit patient in Semi-high fowlers	x	
Administer albuterol as per orders	x	
Place nasal cannula to provide humidified oxygen		x
Teach patient pursed lip breathing		x

(Potential 6 points)

Grading

Nursing Action	Emergent	Non-Emergent
Enter "NPO" in EHR		x
Titrate oxygen to maintain a saturation above 92%	x	
Sit patient in Semi-high fowlers	x	
Administer albuterol as per orders	x	
Place nasal cannula to provide humidified oxygen		x
Teach patient pursed lip breathing		x

| Action/Row	Emergent	Non-Emergent
Row1	X	
Row2	X	
Row3	X	
Row 4	X	
Row 5		X
Row 6	X	

Scoring = 4/6

(NCSBN, 2021)

Multiple Response: Select All that Apply

❖ You are preparing to take the patient down for surgery. What actions should the nurse take? **SELECT ALL THAT APPLY**

❑ Give patient ice chips

❑ Mark surgical site

❑ Ensure ID band is correct

❑ Serve the patient breakfast

❑ Review Operative Checklist

Scoring: if you get 3 correct answers and 1 incorrect answer, score is 2

(NCSBN, 2021)

Stand Alone Case: Bowtie

◈ Incorporating Clinical Judgement, the student needs to recognize <u>cues</u> and decide the priority <u>hypothesis</u> (condition)

◈ MAX = 5 POINTS

(No deduction for incorrect answer)

Action to Take

Condition

Action to Take

Parameter to Monitor

Parameter to Monitor
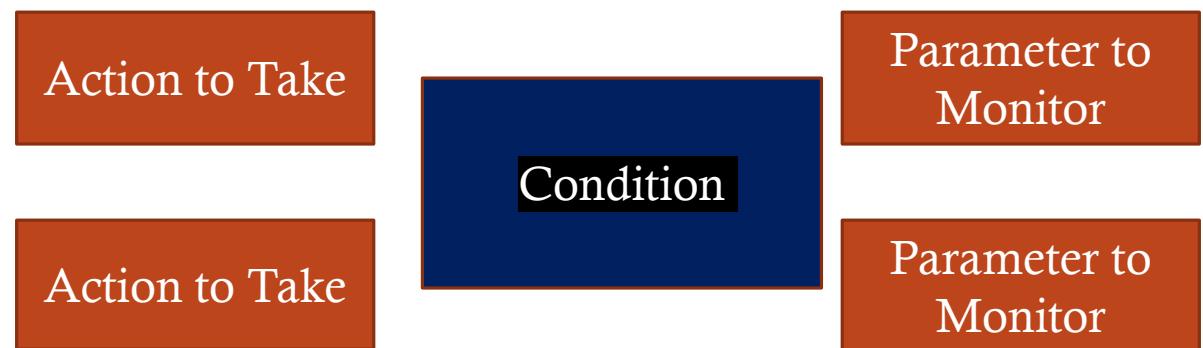
Stand Alone Case: Bowtie

Client accompanied to ED by daughter, right-sided ptosis with facial drooping noted. Right-sided hemiparesis and expressive aphasia present. Daughter reports client recently had an influenza infection.

Lung sounds are clear, apical pulse is irregular. Bowel sounds are active in all 4 quadrants, skin is warm and dry. Incontinent of urine 2 times in the ED, daughter reports that the client is typically continent of urine. Capillary refill sluggish at 3 seconds. Peripheral pulses palpable, 2+.

Vital signs: T 97.5° F (36.4° C), P 126, RR 18, BP 188/90, pulse oximetry reading 90% on room air. Capillary blood glucose obtained per protocol, 76 mg/dL (4.2 mmol/L).

ED Physician notified.juice

Action to Take

Action to Take

Hypoglycemia UTI Bell's palsy Ischemic stroke

Parameter to Monitor

Parameter to Monitor

Get order for oral steroid

Give O2

Urine for C&S

Insert IV

Token

Request order for D5W

Monitor EKG

Temperature

Urinary output

Monitor fingerstick

Monitor neuro status

How do you approach Simulation with Next Gen Questions?

CJ: Applied learning through clinical performance in simulation experiences.

- ◇ Design of the simulation learning: skill areas, not just content
- ◇ Student versus faculty role

◈ Assessment focusing on clinical judgement constructs and rubrics (Lasater, 2007)

◈ Areas for incorporation beyond CJ

- ◇ Resilience
- ◇ Difficult situations/conversations
- ◇ Home considerations
- ◇ What type of patient scenarios should all students have – curricular mapping
- ◇ Coordination with employers expectations for practice

Sessions

- Use of EHR to evaluate Clinical Judgement - using Lasater rubric

- Evaluate your learning environment

- What software and hardware do you have available?

  - Qualtrix?

  - Soft Chalk?

  - Exam Soft?

  - BlackBoard

  - Canva?

  - ATI?

  - HESI?

- Discussion of cost, flexibility and functionality will be discussed

References

- Ignatavicius, D. (2021). Developing clinical judgment for professional nursing and the Next-Generation NCLEX-RN® Examination. Elsevier

- NCSBN. (2021). Next Generation NCLEX News. https://www.ncsbn.org/NGN_Summer21_ENG.pdf

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