# DAVIS ADVANTAGE FOR BASIC NURSING

## Build a successful foundation for your **NURSING EDUCATION** CLASS | CLINICAL | EXAMS | NCLEX®



LEARNING

Your text provides the foundational knowledge to teach you to think like a nurse from the very first day.



## **APPLYING**

Davis Advantage provides a personalized learning experience that helps you make the connections and apply your knowledge to master must-know concepts.



ASSESSING

Davis Edge's online quizzing evaluates your mastery of course material and builds your test-taking skills.



## DAVIS ADVANTAGE **BASIC NURSING**

combines your text with Online Personalized Learning and Quizzing to help you master this challenging, but essential foundational content.

## YOUR JOURNEY TO FUNDAMENTALS SUCCESS BEGINS HERE!

Don't miss all of the resources waiting online to make learning easier...and save you time. Follow the instructions on the inside front cover to use the access code to unlock **Davis Advantage for Basic Nursing** today.



# LEARNING

## Build a solid foundation and STEP #I learn how to think like a nurse from the very first day.

Paning

Basic Nursing provides a comprehensive approach to care and prepares you for the real world of nursing practice.

Two types of **case studies** illustrate key points and bring concepts to life through examples of real-world nursing care.

## Caring for the Nguyens

Mai Nguyen, the 76-year-old mother of Nam Nguyen, has been experiencing blurred vision and decreased visual acuity.A local ophthalmologist diagnosed bilateral cataracts and has recommended cataract removal in the left eye, with insertion of an intraocular lens. He told Mai Nguyen to schedule the surgery "at your convenience" and explain that the surgery would be performed on an outpatient ience" and explained basis. The ophthalmologist gave Mai Nguyen the following list of activities to prepare for the surgery: Schedule a date for your surgery. My reception

will set up a time for your surgery. All surgeries are performed at Western Medical Center Same-Day

Surgery Department.

Please arrange to be seen by your primary care provider I to 2 weeks prior to the surgery to receive clearance for surgery.

A. What preoperative testing is Mrs. Nguyen likely to undergo? Explain your rationale.

- B. The preoperative list states that the client must be seen by the primary care provider to receive clearance for surgery.Why is this an essential part of the preoperative
- C. What theoretical knowledge do you need to perform preoperative teaching for Mai Nguyen? How could you obtain that information? Be specific about your sources

## MeetVour Patient Nishad Singh is a 68-year-old man who came to the

Oxygen saturation: 98%

emergency department (ED) with sudden onset of rectal bleeding. He tells the ED nurse, "I've been real tired and dragging for several months. This morning I felt a little worse usual.When I went to the bathroom, there was a lot of blood. I've never had that before, and it scared me. I've had to go to the bathroom a couple times this morning, and it's all blood." The ED nurse collects the following data: BP: 138/88 mm Hg Pulse: 104 beats/min and regular Respiratory rate: 20 breaths/min Temperature: 36.7°C (98.0°F)

The ED nurse ssesses that Mr. Singh is mildly anxious. His breath ounds are clear but his abdomen is

tender in the left lower quadrant. The nurse draws blood to be sent to the lab. While they are waiting for the lab results, Mr. Singh tells the nurse,"My stomach is cramping down low, and I need to go to the bathroom." She pro him with a bedpan. He passes approximately 200 mL of bright red blood with a small amount of fecal material. He becomes sweaty and light-headed after the BM.

Think Like a Nurse questions check your understanding while developing your critical-thinking and clinical-reasoning skills.

## ThinkLike a Nurse 40-3

appropriate for Mr. Singh (Meet Your Patient)? Do not use the potential complications in Table 40-2. Explain your reasoning.

Safe and Effective Nursing Care boxes illustrate how to provide safe, quality care to patients.

## Applying the Full-Spectrum Nursing Model PATIENT SITUATION

Recall Nishad Singh (Meet Your Patient). He is a 68-year-old man who came to the emergency department (ED) with sudden onset of rectal bleeding. He had been "tired and dragging for several months." The ED nurse identified nursing diagnoses of Mild Anxiety, Pain, and Risk for Bleeding. Preoperatively, his vital signs were as follows: BP: 138/88 mm Hg

Pulse: 104 beats/min and regular; 120 beats/min; 134 beats/min

Respiratory rate: 20 breaths/ Temperature: 36.7°C (98.0°F)

Oxygen saturation: 98

## THINKING

- 1. Theoretical Knowledge
- a. What is a left hemicolectomy? If you do not know the answer, consult an appropriate reference. b. What does "metastasis to the liver" mean? If you do not know the answer, consult an appropriate reference.
- 2. Critical Thinking (Inquiry,
- a. Why might Mr. Singh have needed a colostomy instead of having his transverse colon reconnected to the remaining lower colon or rectum? State the reference you used to answer this questior b. Why do you think Mr. Singh has a colostomy above the level of the umbilicus and not lower down in his
- abdomen? State the reference you used to answer this question.

## DOING

- 3. Practical Knowledge: Mr. Singh returned from surgery with knee-high antiembolism stockings a. You notice that the stockings have slid down and become wrinkled between his knees and ankles. After you straighten them and pull them up, the tops reach to about 7.6 cm (3 in.) below Mr. Singh's knees. What does this probably mean, and what should you do?
- **b.** Which of the following instructions should you give when delegating care of Mr. Singh's antiembolism stockings to the nursing assistant? (Mr. Singh's stockings have closed toes.)
- Remove the stockings and bathe and dry the legs every 8 to 12 hours.
  Massage the legs after removing Mr. Singh's stockings.

### CARING

- 5. Self-Knowledge: a. If you were assigned to care for Mr. Singh today, what aspect of care would you feel best prepar
- Explain your thinking. b. What aspect of Mr. Singh's care would you be most uncomfortable providing? Explain your thinki
- 6. Ethical Knowledge: You want to provide culturally competent care. What is the first thing you will need order to address Mr. Singh's cultural needs? Review Chapter 15 if you need to.

## **Clinical Reasoning: Applying the Full-Spectrum Nursing**

exercises reinforce the concepts of thinking, doing, and caring to help you develop your clinical decision-making skills, while you apply what you are learning to real patients.

of any abnormalities on the lower ions, sores, or redness, before apply-

For Thigh-High Stockings

**Over 230 step-by-step procedures** 



Which, if any, of the preceding nursing diagnoses would be most

ent with the Preoperative Center a Western Medical Center Same-Day Surgery Department

I to 2 days before surgery. Arrange to have a ride to and from the surgery.

D. What content would you include in N preoperative teaching? C. The ophthalmologist has planned ane

sedation. What factors, if any, might ke from receiving this form of anesthesia information do you need to answer t

Go to Davis Advantage, Resources, Ch the Nguyens-Suggested Responses.

## **Surgical Team Communication**

Key Concepts: Perioperative Nursing, Preoperative Care, Intraoperative Care, Postoperative Care SENC Competency: Provide goal-directed, client-centered care

Eliciting each patient's values, preferences, and expressed

needs as part of the focused nursing history will assist you

in providing goal-directed, client-centered care. You can then communicate patient values, preferences, and expressed

needs to other members of the healthcare team to assure

patient-centered care with sensitivity and respect for the

Nursing ctive

diversity of individual patients. SENC Competency: Collaborate with the interdisciplinary healthcare team

To provide for effective collaboration within nursing and interdisciplinary teams, nurses must engage in open communication, mutual respect, and shared decision to ensure safe and effective patient care. Two-minute briefings just before surgery, led by the attending surgeon using a standardized format, have been found to improve communication and reduce delays and wrong-site surgery (Lee, 2016). Surgical briefings encourage team members to talk when there is no problem, so they are more likely to speak up when they have misgivings when problems occur (Berger, Greenberg, & Bilimoria, 2015).



with rationales teach you how to perform and master essential nursing skills.

## ♥ iCare 40-1

### **Perioperative Care**

- Perioperative nursing is a specialized area of nursing with specific, established standards of care. A caring nurse strives to integrate those standards into the nursing process and to apply standards to each patient in a caring manner.
- Caring nurses ensure that a person is cognitively and psychologically prepared for surgery.
- Caring nurses advocate for patients. An example is stopping the line and placing a HOLD on surgery when a person identifies an error or a risk in a process or in the surgical procedure. This exhibits 200% accountability and embraces high reliability behaviors. You can do this by saying to others, "I have a concern"; "We need to stop and verify";"I am uncomfortable proceeding"; or even stronger language: "I cannot send Ms. Brown until the surgeon comes back up and reviews her surgical procedure with her again; she clearly does not understand."

KEY POINT: Preventing errors and "never events" is everyone's responsibility.

iCare highlights the role of caring in nursing and demonstrates how a nurse provides safe and effective care in a particular situation.

An unconscious client is usually positioned on his side to help maintain an open airway. This decreases the likelihood of aspirating mucus or saliva by allowing it to drain out instead of back into the throat. Elevating the superior arm on a pillow allows for good chest expansion so the patient can breathe deeply and expand the lungs fully.

**Safety icons** alert you to important aspects of safe care to avoid potential hazardous or high-risk issues.

## 40-2 Applying Antiembolism Stockings Gradually pull the Pre-Procedure Assessment 0. When using stockings with . Repeat the procedure on th What if . . . Both legs do not m same? Order two different sizes of stockings and use one from each package to make two point re the legs regularly. Home Care Cleanse the patient's legs and feet if necessary. Dry well. . ne client to follow the manufacturer's direction





# **APPLYING STEP #2**

## Make the connections and apply your knowledge with Online Personalized Learning.

A FREE ebook version of your text, available with each new printed book, makes studying and reviewing easier, anytime, anywhere. Use the access code on the inside front cover.

Quiz yourself on how well you understand key fundamentals nursing concepts. Based on your performance, you will receive a Personalized Learning Plan with engaging videos and interactive activities. You'll know exactly where you need to focus your studies until you've mastered the concepts and are ready to apply them in class, clinical, and practice.





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a Post-Assessment quiz tests y	Post-/	Assessment for Perioperati
a Post-Assessment quiz tests y	The nurse h Durin Prior In the Upor	nas a new order to apply antiembolism stockings. At what point sho Ig surgery t <b>to surgery</b> a PACU
a Post-Assessment quiz tests y		
		After working through the anir a <b>Post-Assessment</b> quiz tests y Personalized Learning Plan, wh
Post-Assessment for Perioperati		



## Perioperative Nursing



Why is Fowler's or semi-Fowler's the appropriate position when teaching a patient to cough and deep-breathe?

Make the Connection. Drag and drop proper term that is best exemplified by each scenario.

## **Animated mini-lecture videos**

present key concepts in a way that makes the content more memorable and understandable, while interactive learning activities help you apply and expand your knowledge.

## ve Nursing

uld that occur? mated mini-lecture video and activity, our mastery. The results feed into your here your instructor is able to view them.

ve Nursing

## 😭 Success Center





# **STEP #3**

## Study Smarter, Not Harder with **Online Personalized Quizzing**

An interactive question-based format provides the additional practice you need to help you master course content and improve your scores on classroom exams.

Quizzing assignments are made by your instructor. Or, create your own practice quizzes on topics you'd like to focus on.

Quiz	Success Center   Tips for Success   Gradebook
Periop Quiz Question 2. What factors place an older adult at greater risk	during surgery than a younger person? Select all that apply.
<ul> <li>1. Increased glomerular filtration rate</li> <li>2. Decreased rigidity of arterial walls</li> <li>3. Elevated basal metabolic rate</li> </ul>	Image: Constraint of the second se
4. Lowered hepatic functioning 5. Reduced cardiac reserve 2012	<ul> <li>1. Increased glomerular filtration rate</li> <li>2. Decreased rigidity of arterial walls</li> <li>3. Elevated basal metabolic rate</li> </ul>
Immediate feedback with	Image: Ward of the state o
rationales for correct and incorrect responses enhance	Option 1: Older adults have a decreased, not increased, glomerular filtration rate.
critical thinking and help	Option 2: Older adults have an increased, not decreased, rigidity of arterial walls. Option 3: Older adults have a lowered, not elevated, basal metabolic rate.
you build your knowledge base. Many questions also	Option 4: The size of the liver, blood flow in the liver, and enzyme production decrease; the half-life of anesthetic agents and medications increase, which may result in toxicity.
include test-taking tips that	Option 5: As one ages, cardiac output and strength of cardiac contractions decrease and the heart rate takes longer to return to the resting rate. Sudden physical or emotional stresses may result in cardiac dysrhythmias and heart failure.
show you how to analyze questions and reduce your test-taking anxieties.	Course Topic: Perioperative Nursing   Concept(s): Nursing; Perioperative   Cognitive Level: Comprehension [Understanding]   Client Need: Physiological Integrity

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Your Success Center offers a snapshot of your progress and identifies your strengths and weaknesses. The Feedback Report drills down to show your performance in individual content areas. It's easy to create new practice quizzes that focus on your areas of weakness or to select the topics or concepts you want to study.

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Acid-Base Balance	Needs More Practice





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## **GET STARTED** by using the access code in the inside front cover to