This is a unique case study reference for students in the medical-surgical nursing core course, and a review and workbook for students about to embark on the NCLEX-RN® exam. Unlike other reviews, the book embeds required medical-surgical nursing content into compelling, unfolding case studies—studies that evolve over time—in order to promote active learning and facilitate knowledge retention. These unfolding case studies closely mimic real-life situations in nursing and provide situational mental models that assist students with problem-solving and critical thinking techniques. The unfolding case study method also assists in the development of skills that are important for test success in assessment, planning, intervention, and evaluation of patient care.

All content areas required for NCLEX-RN success—safe and effective care, health promotion, physiological and psychological integrity—are interwoven throughout the guide. Also included are a variety of NCLEX-style question formats to help students assess their own learning. These include multiple-choice questions, hot spots, matching, true and false, prioritizing, and calculations. The book offers links to online information and videos that further support content retention.

**KEY FEATURES:**
- Reviews medical-surgical nursing core content for course learning and NCLEX-RN test success
- Uses a unique unfolding case study method to present medical-surgical concepts and promote active learning
- Develops problem-solving and critical thinking skills that help students “think like a nurse”
- Provides all types of NCLEX-style questions for exam preparation
- Offers eResources throughout the review for enhanced learning opportunities

**Case studies offer relief from endless Q & A review**
- Encourages “think like a nurse” approach
- Utilizes all types of NCLEX-style questions
- Web links to supporting multimedia content
eResources
Provided to Supplement

Medical-Surgical Nursing Test Success: An Unfolding Case Study Review

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ISBN: 978-0-8261-9425-1
Digital Product
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Nursing Care of the Patient With Cardiovascular Disease

**eResource 1-1:** Heart disease risk calculators can be utilized as an effective patient teaching tool:
- University of Maryland Heart Center: [http://goo.gl/UaNIA](http://goo.gl/UaNIA)
- MedCalc, a comprehensive library of medical calculators, available online and as “apps” for mobile devices.
  - Online: [Pathway: www.medcalc.com → select “Cardiology” → select “Heart Disease Risk” and enter patient data]
  - Mobile device: [MedCalc → select “Categories” → select “Cardiology” → select “Framingham CV Risk” and enter patient data]

**eResource 1-2:** To reinforce her patient teaching, the nurse shows Edwin two brief videos:
- *Understanding High Blood Pressure—The Risks:* [http://youtu.be/FrDfzlFcUT0](http://youtu.be/FrDfzlFcUT0)

**eResource 1-3:** To supplement dietary teaching, the nurse provides the American Heart Association's guide for Reading Food Nutrition Labels: [http://goo.gl/0wY0i](http://goo.gl/0wY0i)

**eResource 1-4:** Web-based resources for normal blood values:
- Nursing Central: [http://goo.gl/qosiq](http://goo.gl/qosiq)
- University of Minnesota: [http://goo.gl/sTM1A](http://goo.gl/sTM1A)

**eResource 1-5:** To supplement patient teaching regarding managing risk factors, the nurse connects Randy to the American Heart Association's Heart Risk Calculator: [http://goo.gl/fHms0](http://goo.gl/fHms0)

**eResource 1-6:** To supplement your understanding of this medication, consult Medscape on your mobile device. To download the “app,” go to [http://goo.gl/ObHsx](http://goo.gl/ObHsx): [Pathway: Medscape → enter “nitroglycerin” in the search field → scroll down to select “nitroglycerin sublingual” to access content]
eResource 1-7: Randy has questions about cholesterol so the nurse shows him a video, *Understanding Cholesterol*: http://youtu.be/hjv5OnbcjE8

eResource 1-8: To supplement patient diet teaching, the nurse shows Randy a video, *The Foods That Lower LDL*: http://youtu.be/AOcky3fUx5k

eResource 1-9: To learn more about adverse effects and precautions related to pravastatin, refer to Epocrates:
[Pathway: On mobile device: Epocrates → select “Drugs” → enter “pravastatin” in the search field → select “pravastatin” again → view “Adverse Reactions” and “Contraindications/Cautions”]
[Pathway: Online: https://online.epocrates.com → enter “pravastatin” in the search field → select “pravastatin” again → view “Adverse Reactions” and “Contraindications/Cautions”]

eResource 1-10: To practice interpreting ECGs:
[Pathway: Visit the ECG Library: http://goo.gl/fKVd
[Pathway: Play ECG Simulator: http://goo.gl/icSgp

eResource 1-11: To learn more about PCI, refer to MerckMedicus Online on your mobile device: [Pathway: www.merckmedicus.com → select “Merck Manual” → select “Merck Manual for Healthcare Professionals” → select “index” → select “P” and enter “percutaneous coronary intervention” in the search field to access and review content]

eResource 1-12: Use MedCalc to verify your answer: [Pathway: www.medcalc.com → select “Fluids/Electrolytes” → select “IV Rate and enter information into fields”]

eResource 1-13: To learn more about furosemide, consult Skyscape’s RxDrugs on your mobile device (www.skyscape.com): [Pathway: Skyscape → select “RxDrugs” → enter “lasix” into the search field → select “furosemide [IM/IV]” to review content]

eResource 1-14: To learn more about dobutamine and precautions, consult Skyscape’s RxDrugs on your mobile device: [Pathway: Skyscape → select “RxDrugs” → enter “dobutamine” into the search field → scroll down to view Warnings/precautions]

eResource 1-15: Use MedCalc’s Acid–Base Online Calculator to verify your understanding: [Pathway: www.medcalc.com → select “Pulmonary” → select “ABG Calculator” and enter patient data]

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**eResource 1-16:** To learn more about digoxin and what the nurse should discuss with James, consult Skyscape’s RxDrugs on your mobile device: [Pathway: Skyscape → select “RxDrugs” → enter “Digoxin” into the search field → select “Digoxin [Oral]” → scroll down to view content]

**eResource 1-17:** To learn more about ECG interpretation, view:
- Intro EKG Interpretation Part 1: http://youtu.be/ex1k_MPFW4
- Intro EKG Interpretation Part 2: http://youtu.be/ecTM2O940mg

**eResource 1-18:** To verify that this is a safe dose to administer, consult Epocrates on your mobile device: [Pathway: Epocrates → select “Drugs” → enter “Cardizem” into the search field → select “Adult Dosing” → scroll down to view treatment of atrial fibrillation/flutter]

**eResource 1-19:** Use MedCalc to verify your calculations:
- Online: [Pathway: www.medcalc.com → select “Fluids/Electrolytes” → select “IV Rate” and enter infusion order]
- Mobile device [MedCalc → enter “infusion” into the search field → select “Infusion Management” → enter infusion order]

**eResource 1-20:** To help Marilyn understand what atrial fibrillation is and how it is treated, the nurse shows her a video, *Atrial Fibrillation Symptoms & Treatments*: http://youtu.be/BZ1vMLPrHnk

**eResource 1-21:** To verify that these drugs are safe in combination, consult Epocrates on your mobile device: [Pathway: Epocrates → select “Interaction Check” → enter all three medications and review interactions. Consider patient teaching that is warranted]

**eResource 1-22:** To supplement the information provided to Marilyn, the nurse shows her two videos:

**eResource 1-23:** Web-based resources for normal blood values:
- Nursing Central: http://goo.gl/qosiq
- University of Minnesota: http://goo.gl/sTM1A

**eResource 1-24:** Consult Epocrates Online for detailed information related to evaluation and management of shock: [Pathway: https://online.epocrates.com → select “Diseases” → enter “shock” in the search field → select “septic shock” and review content]
eResource 1-25: To learn more about norepinephrine, consult Skyscape’s RxDrugs on your mobile device: [Pathway: Skyscape → select “RxDrugs” → enter “norepinephrine” into the search field → review content]

eResource 1-26: Use MedCalc to verify your answer: [Pathway: www.medcalc.com → select “Fluids/Electrolytes” → select “IV Rate” and enter information into fields]

eResource 1-27: To check your calculations, use Skyscape’s Archimedes on your mobile device: [Pathway: Archimedes → enter “ABI” into search field and enter patient data]

eResource 1-28: To learn more about Ankle-Brachial Index Measurement, go to Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “ABI” into the search field → select “overview,” “periprocedural care,” and view the multimedia presentation of the procedure]

eResource 1-29: Consult Epocrates Online for detailed information related to Marcey’s presentation:
- Diagnostic Tests: [Pathway: https://online.epocrates.com → select “Diseases” → enter “peripheral vascular disease” in the search field → under “Diagnosis” select “Tests” and review content]
- Treatment and prevention for Marcey: [Pathway: https://online.epocrates.com → select “Diseases” → enter “peripheral vascular disease” in the search field → under “Treatment” select and review “Tx Details,” “Emerging Tx and “Prevention,” and review content]

eResource 1-30: To help Marcey, the nurse provides additional resources for risk reduction:
- Smokefree.gov mobile smoking cessation apps: http://smokefree.gov/apps
- CDC’s Podcast, Smoking and Older Adults: http://goo.gl/EjKu5

eResource 1-31: To further explain the effects of nicotine on the body, the nurse shows Marcey a video, Nicotine & Smoking Facts: How Do Cigarettes Affect the Body? http://youtu.be/YtodWKFfYjw

eResource 1-32: To learn more about VTE and its treatment, visit Medscape:
- Online: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “Deep Venous Thrombosis” into the search field → review content]
- On your mobile device: [Pathway: Medscape → enter “Deep Venous Thrombosis” into the search field → review content]

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**eResource 1-33:** Consult Epocrates on your mobile device to review safety and monitoring guidelines: [Pathway: Epocrates → enter “Lovenox” into search field → select “Safety/Monitoring.” Also review Contraindications/Cautions as well as Adverse Reactions]

**eResource 1-34:** Consult EpocratesOnline to review content related to prevention: [Pathway: https://online.epocrates.com → select the “Diseases” tab and enter “Deep Vein Thrombosis” into the search field → Under “Treatment” select “Prevention.” Also review Patient Teaching which is located under “Follow-Up”]
Nursing Care of the Patient With Pulmonary Disease

**eResource 2-1:** Use MedCalc’s Acid–Base Online Calculator to verify your understanding: [Pathway: www.medcalc.com → select “Pulmonary” → select “ABG Calculator” and enter patient data]

**eResource 2-2:** To learn more about atelectasis and its diagnosis, visit Medscape:
- Online: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “atelectasis” into the search field → review “Presentation,” “DDx” and “Workup”]
- On your mobile device: [Pathway: Medscape → enter “atelectasis” into the search field → review “Presentation,” “DDx” and “Workup”]

**eResource 2-3:** To supplement patient teaching, the nurse shows Victor a video tutorial, *Atelectasis*: [http://youtu.be/FhFpbZcIlzQ](http://youtu.be/FhFpbZcIlzQ)

**eResource 2-4:** The nurse shows Victor a video demonstrating the use of the incentive spirometer: [http://youtu.be/cWBj5o5NblY](http://youtu.be/cWBj5o5NblY)

**eResource 2-5:** To hear samples of lung sounds, go to:
- *Crackles—Early Inspiratory (Rales)*: [http://goo.gl/gUx17](http://goo.gl/gUx17)
- *Crackles—Fine (Rales)*: [http://goo.gl/vBr2h](http://goo.gl/vBr2h)
- *Crackles—Coarse (Rales)*: [http://goo.gl/e2FR1](http://goo.gl/e2FR1)

**eResource 2-6:** To learn more about risk for pneumonia, consult the Pneumonia Severity Index Calculator: [http://goo.gl/CgxSN](http://goo.gl/CgxSN)

**eResource 2-7:** To verify that this is the correct dosage, consult Skyscape’s RxDrugs on your mobile device: [Pathway: RxDrugs → enter “levaquin” into the search field and check adult dosing]

**eResource 2-8:** Consult Epocrates to learn/review safety and monitoring guidelines related to Levaquin: [Pathway: Epocrates → select “Levaquin” → select “Safety/Monitoring.” Also review Contraindications/Cautions as well as Adverse Reactions for further patient teaching]

eResource 2-10: To hear other samples of wheezing lung sounds, go to:
- *Wheeze*: [http://goo.gl/692Fm](http://goo.gl/692Fm)
- *Wheeze—Monophonic*: [http://goo.gl/P64fE](http://goo.gl/P64fE)

eResource 2-11: Consult Epocrates Online to review content related to prevention of asthma: [Pathway: https://online.epocrates.com → under the “Diseases” tab, enter “asthma” in the search field → select “Asthma in adults” Under “Diagnosis” select “Approach”]

eResource 2-12: To learn more about bronchodilators, go to Epocrates Online to review content related to prevention: [Pathway: https://online.epocrates.com → under the “Diseases” tab, enter “asthma” in the search field → select “Asthma in adults” Under “Diagnosis” select “Approach”]

eResource 2-13: To learn more about asthma and its triggers, visit Medscape:
- Online: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “asthma” into the search field → under the “Overview” tab, review “Pathophysiology” and “Etiology”]
- On your mobile device, you can access the same information:
  [Pathway: Medscape → enter “asthma” into the search field → under the “Overview” tab, review “Pathophysiology” and “Etiology”]

eResource 2-14: To reinforce patient teaching, the nurse plays the CDC podcast, *Asthma—What You Need to Know*: [http://goo.gl/KCpa8](http://goo.gl/KCpa8)

eResource 2-15: Use MedCalc’s Acid–Base Online Calculator to verify your understanding: [Pathway: www.medcalc.com → select “Pulmonary” → select “ABG Calculator” and enter patient data]

eResource 2-16: To help Caleb understand what he can do to manage his asthma, the nurse shows him a video, *Living With and Managing Asthma*: [http://youtu.be/ImYZd6Kxo8c](http://youtu.be/ImYZd6Kxo8c)
eResource 2-17: To learn more about COPD and its diagnosis, visit Medscape:
- On your mobile device: [Pathway: Medscape → enter “COPD” into the search field → Under “Overview,” select “etiology”]

eResource 2-18: Use MedCalc to verify your answer: [Pathway: www.medcalc.com → select “Fluids/Electrolytes” → select “IV Rate” and enter information into fields]

eResource 2-19: To learn more about oxygen therapy for a patient with COPD, view Administering Oxygen in COPD: http://youtu.be/6h0Ea4Tc-Qk

eResource 2-20: Use MedCalc’s Acid–Base Online Calculator to verify your understanding: [Pathway: www.medcalc.com → select “Pulmonary” → select “ABG Calculator” and enter patient data]

eResource 2-21: To learn more about COPD and its diagnosis, visit Medscape:
- On your mobile device: [Pathway: Medscape → enter “COPD” into the search field → Under “Treatment,” select “Oxygen Therapy and Hypoxemia”]

eResource 2-22: To learn more about breathing techniques for a patient with COPD, view Managing an Episode of Acute Shortness of Breath: http://youtu.be/wUr0YVZuM5M

eResource 2-23: To learn more about the proper technique for using incentive spirometry, view http://youtu.be/VHN5zPaw96w

eResource 2-24: Consult Epocrates Online for detailed information related to discharge teaching and follow-up for Joshua: [Pathway: https://online.epocrates.com → select “Diseases” → enter “COPD” in the search field → select “Follow-Up” and review content]

eResource 2-25: To learn more about this procedure, consult the Merck Manual: [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “ventilation and perfusion scan” into the search field in the upper right corner → select “V/Q scanning” and review content]

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**eResource 2-26:** Consult Epocrates Online for detailed information regarding diagnostic tests for pulmonary embolism: [Pathway: https://online.epocrates.com → select “Diseases” → enter “pulmonary embolism” in the search field → select “Diagnosis” → select “Tests” and review content. Be sure to click on “D-dimer” to view detailed information]

**eResource 2-27:** Use MedCalc to verify your calculations:
- Online: [Pathway: www.medcalc.com → select “Fluids/Electrolytes” → select “IV Rate” and enter infusion order]
- Mobile device: [Pathway: MedCalc → enter “infusion” into the search field → select “Infusion Management” → enter infusion order]

**eResource 2-28:** To supplement the patient teaching regarding anticoagulant therapy, visit Medscape:
- Online: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “Pulmonary Embolism” into the search field → under “Medication,” select “Anticoagulants”]
- On your mobile device: [Pathway: Medscape → “Pulmonary Embolism” into the search field → Under “Medication,” select “Anticoagulants”]

**eResource 2-29:** For more information regarding patient teaching, consult Epocrates Online: [Pathway: https://online.epocrates.com → select “Diseases” → enter “pulmonary embolism” in the search field → select “Follow-up” → select “Overview” and review content. Be sure to view “Prevention” to learn about secondary prevention measures]

**eResource 2-30:** To hear how inspiratory crackles sound, go to: http://goo.gl/gUx17

**eResource 2-31:** For more information regarding risk factors for pulmonary edema, consult Epocrates Online: [Pathway: https://online.epocrates.com → select “Diseases” → enter “pulmonary edema” in the search field → under “Diagnosis” select “Risk Factors”]

**eResource 2-32:** To learn more about these drugs and precautions, consult Skyscape’s RxDrugs on your mobile device: [Pathway: Skyscape → select “RxDrugs” → enter “Lasix” into the search field → scroll down to view Warnings/precautions; repeat with “Bumex”]

**eResource 2-33:** To learn more about the action of diuretics in the kidney, view: http://youtu.be/6Wc4f2KnbYo

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**eResource 2-34:** For more information regarding risk factors for pulmonary edema, consult Epocrates Online: [Pathway: https://online.epocrates.com → select “Diseases” → enter “pulmonary edema” in the search field → under “Follow-up” select “Patient Teaching”]

**eResource 2-35:** Use MedCalc’s Acid–Base Online Calculator to verify your understanding: [Pathway: www.medcalc.com → select “Pulmonary” → select “ABG Calculator” and enter patient data]

**eResource 2-36:** To learn more about treatment for ARDS, consult the Merck Manual: [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “ARDS” into the search field in the upper right corner → scroll down and select “Acute Hypoxemic Respiratory Failure” and scroll down to read “Etiology”]

**eResource 2-37:** Consult Medscape on your mobile device to review the effect of this medication as well as safety and monitoring guidelines: [Pathway: Medscape → enter “lorazepam” into the search field and review content]

**eResource 2-38:** To verify that these two drugs can be safely administered together, consult Epocrates on your mobile device: [Pathway: Epocrates → InteractionCheck → enter “Neupogen” and “Decadron” and view results]

**eResource 2-39:** To learn more about this procedure, consult the Merck Manual: [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “bronchoscopy” into the search field in the upper right corner → select “bronchoscopy” and review content]

**eResource 2-40:** To provide an overview of chemotherapy, the nurse shows Anniston several videos:
- **Chemotherapy Part 1:** http://youtu.be/eJq4xvjd_MU
- **Chemotherapy Part 2:** http://youtu.be/YzkAXSB3l0M
- **Chemotherapy Part 3:** http://youtu.be/4BFSdj2iZTk
- **Chemotherapy Part 4:** http://youtu.be/QOts1ldjEYI
Nursing Care of the Patient With Renal Disease

**eResource 3-1:** To supplement your understanding of the risk factors, refer to Epocrates Online: [Pathway: http://online.epocrates.com → enter “incontinence” into the search field → select “urinary incontinence” → select “risk factors” and review content]

**eResource 3-2:** For more information regarding the types and etiology of urinary incontinence, refer to Medscape on your mobile device: [Pathway: Medscape → enter “urinary incontinence” into the search field → select “urinary incontinence” and review content under the “overview” tab]

**eResource 3-3:** To learn more about the diagnostic testing ordered for Julia, refer to Medscape on your mobile device: [Pathway: Medscape → enter “urinary incontinence” into the search field → select “workup” and review all the diagnostic procedures]

**eResource 3-4:** To learn more about the recommended treatment and management for urinary incontinence, refer to:
- Medscape on your mobile device: [Pathway: Medscape → enter “urinary incontinence” into the search field → select “treatment and management” and review content]
- Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual for Health Care Professionals” → enter “urinary incontinence” into the search field → select “treatment” and review content]

**eResource 3-5:** To learn more about management of urinary incontinence in women to guide development of a nursing care plan for Julia, refer to Urinary Incontinence Treatments for Women (Beyond the Basics): http://goo.gl/nleHm

**eResource 3-6:** To learn more about the clinical presentation of a urinary tract infection, consult Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “urinary tract infection” into the search field → review “Key Highlights” and “History and Exam” details]
eResource 3-7: To reinforce your understanding of the effects of Bactrim DS, consult:
- Epocrates on your mobile device: [Pathway: Epocrates → enter “Bactrim” into the search field → select “Bactrim DS” → scroll down to review “Adverse Reactions” and review “serious reactions” and “common reactions”]
- Skyscape’s RxDrugs: [Pathway: RxDrugs → enter “Bactrim” into the search field → select “Bactrim DS” → scroll down to review “Adverse Reactions”]

eResource 3-8: To reinforce your understanding of the effects of Macrobid consult:
- Epocrates on your mobile device: [Pathway: Epocrates → enter “Macrobid” into the search field → select “Macrobid” → scroll down to review “Adverse Reactions” and review “serious reactions” and “common reactions”]
- Skyscape’s RxDrugs: [Pathway: RxDrugs → enter “Macrobid” into the search field → select “Macrobid” → scroll down to review “Adverse Reactions”]

eResource 3-9: To learn more about prevention of urinary tract infections among women, consult Medscape on your mobile device: [Pathway: Medscape → enter “urinary” into the search field → select “Prevention of Urinary Tract Infections in Women” and review content]

eResource 3-10: To learn more about factors contributing to the formation of renal calculi, refer to:
- Epocrates Online: [Pathway: http://online.epocrates.com → enter “renal calculi” into the search field → select “risk factors” and review content]
- Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual for Health Care Professionals” → enter “renal calculi” into the search field → select “urinary calculi” → review “etiology” and “pathophysiology.” Be sure to look at all the images]

eResource 3-11: To reinforce your understanding of morphine, its indication and effects, consult on your mobile device:
- Medscape: [Pathway: Medscape → enter “Morphine” into the search field → review content]
- Skyscape’s RxDrugs [Pathway: RxDrugs → enter “Morphine” into the search field → review content]
- Epocrates: [Pathway: Epocrates → enter “Morphine” into the search field → review content]

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**eResource 3-12:** To reinforce your understanding of the key findings accompanying urolithiasis, consult Epocrates Online: [Pathway: http://online.epocrates.com → enter “urolithiasis” into the search field → review “key findings”]

**eResource 3-13:** To learn more about the symptoms associated with urolithiasis (urinary calculi), consult Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual for Health Care Professionals” → enter “urolithiasis” (or “renal caluli”) into the search field → scroll down to “symptoms and signs” and “diagnosis” to review content]

**eResource 3-14:** To learn more about renal calculi formation, review the brief video, *Renal Calculi*: http://goo.gl/roXgW

**eResource 3-15:** To supplement patient teaching, the nurse shows Grayson MedlinePlus's interactive tutorial about kidney stones: [Pathway: www.nlm.nih.gov/medlineplus → enter “kidney stones” into the search field → select “kidney stones interactive tutorial” and view content (or use quick link: http://goo.gl/HdBah)]

**eResource 3-16:** To supplement Grayson's discharge teaching, the nurse provides information regarding dietary measures to prevent kidney stone formation by providing the National Kidney and Urologic Diseases Information Clearinghouse (NKUDIC), *Diet for Kidney Stone Prevention*: http://goo.gl/9lbli

**eResource 3-17:** To review normal serum blood levels, refer to:
- Epocrates Online: [Pathway: http://online.epocrates.com → select “Tables” tab → scroll down and select “Lab Reference” and review content]
- Global RPh: http://goo.gl/BrHnj

**eResource 3-18:** To reinforce your understanding of the normal function of the kidneys, view *Urinary System Part 1—The Kidneys*: http://youtu.be/zEpUQkQ-uKM

**eResource 3-19:** To learn more about the clinical presentation of acute renal failure and diagnostic procedure, consult:
- Epocrates Online: [Pathway: http://online.epocrates.com → enter “acute renal failure” into the search field → review “Key Highlights” and “History & Exam”]
- Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual for Health Care Professionals” → enter “acute renal failure” into the search field → select “acute renal failure” and review “overview” and “symptoms & signs”]

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**eResource 3-20**: To better understand acute renal failure, watch the following brief lectures by Dr. Roger Seheult entitled *Acute Renal Failure Explained Clearly*:
- Part 1: http://goo.gl/MPV91
- Part 2: http://goo.gl/LXyfA
- Part 3: http://goo.gl/udfTY

**eResource 3-21**: For material to supplement the diet teaching for Kimberly, consult:
- Virginia Commonwealth University Health System's *The Renal Diet*: http://goo.gl/7WixQ

**eResource 3-22**: To learn more about peritoneal dialysis and hemodialysis, view the following videos:
- Peritoneal Dialysis: http://goo.gl/oOpnq
- Hemodialysis: http://goo.gl/x3VHI

**eResource 3-23**: To learn more about dialysis fistulas and peritoneal dialysis, refer to Medscape on your mobile device: [Pathway: Medscape → enter “dialysis” into the search field → select “dialysis fistulas” and review content then select “peritoneal dialysis catheter insertion” and review content]

**eResource 3-24**: To learn more about the presentation of chronic renal disease, refer to Epocrates Online: [Pathway: http://online.epocrates.com → select “diseases” tab → enter “renal disease” → review content under “Clinical Presentation”]

**eResource 3-25**: To learn about the long-term management of chronic renal failure, consult Medscape on your mobile device: [Pathway: Medscape → enter “dialysis” into the search field → select “Dialysis Complications of Chronic Renal Failure” and review content]

**eResource 3-26**: To supplement the patient teaching, refer to *Hemodialysis Shunt, Graft, and Fistula Care*: http://goo.gl/50G5t
Nursing Care of the Patient With Gastrointestinal Disease

**eResource 4-1:** To learn more about factors that cause and/or contribute to gastrointestinal ulceration, go to Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “peptic ulcer disease” into the search field → select “overview” → select “Etiology” and review content]

**eResource 4-2:** Consult Epocrates Online for detailed information related to Craig’s risk factors associated with peptic ulcer disease: [Pathway: https://online.epocrates.com → select “Diseases” → enter “peptic ulcer disease” in the search field → under “Diagnosis” select “Risk Factors” and review content]

**eResource 4-3:** To learn more about interpretation of findings, consult Merck Manual: [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “GI Bleeding” into the search field in the upper right corner → select “Overview of GI Bleeding” → select “Interpretation of findings”]

**eResource 4-4:** Craig wants to know how he got the peptic ulcer in the first place. To help Craig understand this, the physician shows him a short video: *How a Peptic Ulcer Develops:* http://youtu.be/4bXZRgJ-1fk

**eResource 4-5:** Consult Medscape for more information related to clinical manifestations/presentation of peptic ulcer disease: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “peptic ulcer disease” into the search field → select “Presentation” → select “History” and “Physical Examination” and review content; be sure to click on “Multimedia Library” in this section to review the related images]

**eResource 4-6:** To learn more about gastrointestinal bleeding, listen to Merck Medicus’s podcast: *Gastrointestinal Bleeding:* http://goo.gl/LFjF3
eResource 4-7: For more information regarding nursing diagnoses, review the following:

- Video on How to Write a Nursing Diagnosis: http://youtu.be/JyAaQ5hILSs
- The NANDA Nursing Diagnosis List: http://goo.gl/1ryZg

eResource 4-8: Consult Medscape for more information related to the endoscopy: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “Endoscopy” into the search field → select “Capsule Endoscopy” and review content; be sure to click on “Multimedia Library” in this section to review the related images]

eResource 4-9: Consult Epocrates on your mobile device to review safety and monitoring guidelines that you would want to share with Craig: [Pathway: Epocrates → select “amoxicillin” → select “Safety/Monitoring.” Also review Contraindications/Cautions as well as Adverse Reactions. Repeat this with the other drugs]

eResource 4-10: To learn more about PPIs, consult the Merck Manual: [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “peptic ulcer disease” into the search field in the upper right corner → select “Drug Treatment of Gastric Acidity” and review content]

eResource 4-11: Download AHRQ’s Electronic Preventive Services Selector (ePSS) onto your mobile device or computer (http://epss.ahrq.gov/PDA/index.jsp) and enter Craig’s personal data to identify clinical preventive services that are appropriate for him.

eResource 4-12: To learn more about CT scanning, go to Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “Appendicitis Workup” into the search field → select “CT Scanning” → select “History” and “Physical Examination” and review content; be sure to click on “Imaging of Appendicitis” in this section to review the related images]

eResource 4-13: Consult Epocrates Online for detailed information related to Appendicitis: [Pathway: https://online.epocrates.com → select “Diseases” → enter “appendicitis” in the search field → under “Diagnosis” select “History & Exam” and review “Key Diagnostic Factors”]

eResource 4-14: To provide an informed consent from Chad, the surgeon reviews the appendectomy procedure, 3D Medical Animation-Laparoscopic Appendectomy Surgery: http://goo.gl/cYgNq

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eResource 4-15: Use MedCalc to verify your answer: [Pathway: www.medcalc.com → select “Fluids/Electrolytes” → select “IV Rate” and enter information into fields]

eResource 4-16: Consult Medscape for more information related to postoperative considerations for an Open Appendectomy: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “Appendectomy” into the search field → select “Open Appendectomy” → select “Postoperative Follow-up” and review content; be sure to click on “Multimedia Library” in this section to review the related images]

eResource 4-17: To view a brief video clip demonstrating an open appendectomy, go to: http://goo.gl/WwPKp

eResource 4-18: For more information regarding nursing diagnoses, refer to the NANDA Nursing Diagnosis List: http://goo.gl/1ryZg

eResource 4-19: Consult Epocrates on your mobile device to review safety and monitoring guidelines that you would want to share with Chad: [Pathway: Epocrates → select “Percocet” → select “Safety/Monitoring.” Also review Contraindications/Cautions as well as Adverse Reactions]

eResource 4-20: Consult Epocrates Online for detailed information related to discharge instructions to Chad following the appendectomy: [Pathway: https://online.epocrates.com → select “Diseases” → enter “appendicitis” in the search field → select “acute appendicitis” → under “Follow-Up” select “Overview” and “Complications”]

eResource 4-21: Consult Stedman’s Laboratory Reference Range Values: http://goo.gl/tXI3a

eResource 4-22: To learn more about small bowel obstruction, go to Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “small bowel obstruction” into the search field → select “Overview” and review content; be sure to view multimedia library]

eResource 4-23: Consult Epocrates Online for detailed information related to Stephanie’s risk factors associated with small bowel obstruction: [Pathway: https://online.epocrates.com → select “Diseases” → enter “small bowel obstruction” in the search field → under “Diagnosis” select “Risk Factors” and review content]
eResource 4-24: To learn more about the clinical presentation, go to Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “small bowel obstruction” into the search field → select “Presentation”→ review “History” and “Physical Examination”]

eResource 4-25: To review the procedure of NG tube insertion, consult Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “NGT” into the search field → select “Nasogastric Tube”→ review content focusing on “Positioning,” “Technique,” and “Pearls”]

eResource 4-26: For more information regarding a clear liquid diet, refer to:
- Mayo Clinic’s Clear Liquid Diet overview: http://goo.gl/gjAz
- MedlinePlus’s Diet-clear liquid: http://goo.gl/6JLW3

eResource 4-27: Consult AHRQ’s Electronic Preventive Services Selector (ePSS) on your mobile device or computer (http://epss.ahrq.gov/PDA/index.jsp) and enter John’s personal data to identify clinical preventive services that are appropriate for him.

eResource 4-28: To learn more about risk factors for colon cancer, view the American Cancer Society’s video, Colon Cancer Risk Factors: What You Need to Know: http://youtu.be/5w9dR1X2wOE

eResource 4-29: Consult Epocrates Online for more detailed information related to John’s risk factors for colon cancer: [Pathway: https://online.epocrates.com → select “Diseases” → enter “colon cancer” in the search field → under “Diagnosis” select “Risk Factors” and review content]

eResource 4-30: Consult Epocrates Online for more detailed information about key diagnostic factors: [Pathway: https://online.epocrates.com → select “Diseases” → enter “colon cancer” in the search field → under “Diagnosis” select “History & Exam” and review content]

eResource 4-31: John also views a MedlinePlus video, which provides an overview of the colonoscopy procedure: http://goo.gl/wOm8n

eResource 4-32: To learn more about the CEA test, visit Lab Tests Online: http://goo.gl/Hh3Ge
**eResource 4-33:** To learn more about the procedure and postprocedure care, consult Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “Colonoscopy” into the search field → review content focusing on “Post-Procedure”]

**eResource 4-34:** To learn more about the six-step protocol for giving bad news, view *How Best to Deliver Bad News to Patients and Family:* http://youtu.be/ItC68Pdnpk4

**eResource 4-35:** For a review of Therapeutic Communication, view
- List of Communication Techniques: http://goo.gl/LSgMJ

**eResource 4-36:** To learn more about the procedure and informed consent:
- View the video, *Colectomy:* http://goo.gl/QT53Z
- Read *Informed Consent—Adults* from MedlinePlus: http://goo.gl/G79rW

**eResource 4-37:** The nurse provides additional patient teaching and gives John the *Patient Handbook for Colectomy:* http://goo.gl/U4YmV

**eResource 4-38:** Patient self-care teaching material: http://goo.gl/vfU88

**eResource 4-39:** To verify your calculations, consult Skyscape’s Archimedes medical calculator on your mobile device: [Pathway: Archimedes → enter “BMI” into the search field → enter patient data and check results]

**eResource 4-40:** To verify your calculations, consult Skyscape’s Archimedes medical calculator on your mobile device: [Pathway: Archimedes → enter “Ideal Body Weight” into the search field → enter patient data and check results]

**eResource 4-41:** The primary care provider knows that obesity is a problem among many Americans and recalls watching *The Obesity Epidemic,* a video from the CDC: http://goo.gl/NbZsc

**eResource 4-42:** To learn more about obesity treatment and management, go to Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “obesity” into the search field → select “Obesity,” → select “Treatment” and review content]
eResource 4-43: To learn more about the bariatric surgical procedure, go to Medscape: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “Bariatric surgery” into the search field → select “Bariatric surgery” → select “Treatment” and review content]

eResource 4-44: To learn more about dumping syndrome, refer to
- Mayo Clinic’s tip sheet, Dumping Syndrome: http://goo.gl/k3AY0
- Dumping syndrome overview and diagram by MedlinePlus: http://goo.gl/iB6be

eResource 4-45: For information regarding postoperative follow-up, consult the Merck Manual [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “bariatric surgery” into the search field in the upper right corner → select “Follow-up” and review content]

eResource 4-46: For information regarding hepatitis, consult
- Merck Manual: [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “hepatitis” into the search field in the upper right corner → select “Acute Viral Hepatitis” → select “hepatitis A” and review content related to etiology]

eResource 4-47: Within the Merck Manual, review material covering symptoms and signs of hepatitis: [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “hepatitis” into the search field in the upper right corner → select “Acute Viral Hepatitis” → select “Symptoms and Signs” and review content (both general and virus specific)]

eResource 4-48: Consult Epocrates Online for information regarding patient teaching regarding hepatitis A: [Pathway: https://online.epocrates.com → select “Diseases” → enter “Hepatitis A” in the search field → select “Follow-up” and review content]

eResource 4-49: To learn more about bilirubin, consult Medscape on your mobile device: [Pathway: Medscape → enter “bilirubin” into the search field → select “bilirubin” and review content]

eResource 4-50: To review content about jaundice and its management, go to: http://goo.gl/4wzsS

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eResource 4-51: Visit the Society of Teachers of Family Medicine’s (STFM) website to download current electronic versions of recommended immunization schedules: [Pathway: www.immunizationed.org → locate the program for your mobile device and download. Note: If you prefer, you can view the pdf versions of the CDC schedules]

eResource 4-52: Visit Epocrates Online to review recommended patient teaching related to prevention: [Pathway: https://online.epocrates.com → select “Diseases” → enter “Hepatitis A” in the search field → select “Treatment” to review content related to primary and secondary prevention]

eResource 4-53: To view a video of a CT scan of an abdomen, go to http://goo.gl/0MVHi

eResource 4-54: Consult Epocrates Online to review content related to cirrhosis: [Pathway: https://online.epocrates.com → under the “Diseases” tab, enter “cirrhosis” in the search field and review the content and image library]

eResource 4-55: Additional patient education material, focusing upon self-care at home, can be found at eMedicinehealth.com: http://goo.gl/Fr6nT

eResource 4-56: To learn more about liver function, view:
- Liver Health: How Does the Liver Function: http://youtu.be/RsPzIqcVaoY
- An animation demonstrating the function of the liver: http://youtu.be/tat0QYxlCbo

eResource 4-57: To help Bob better understand ascites, the primary care provider provides:
- Patient education materials: http://goo.gl/9927I

eResource 4-58: For a more detailed overview of hepatic encephalopathy:
- Watch a video presentation: http://youtu.be/WOcFuVa4VoY
- Visit Medscape:
  - Online: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “hepatic encephalopathy” into the search field and review content]
  - On your mobile device, you can access the same information: [Pathway: Medscape → enter “hepatic encephalopathy” into the search field and review content]
eResource 4-59: Consult Epocrates Online for detailed information related to these prescribed medications: [Pathway: https://online.epocrates.com → select “drugs” → enter each medication in the search field and review content]

eResource 4-60: Consult Epocrates Online for detailed information related to discharge teaching and follow-up for Bob and his wife: [Pathway: https://online.epocrates.com → select “Diseases” → enter “cirrhosis” in the search field → select “Follow-Up” and review content]

eResource 4-61: For an overview of the anatomy of the gallbladder and this procedure, view the following:
- Gallblader Ultrasound Part 2: http://youtu.be/L3e-YdQRa-A

eResource 4-62: To learn more about drug and associated precautions, consult Skyscape’s RxDrugs on your mobile device: [Pathway: Skyscape → select “RxDrugs” → enter “dilaudid” into the search field → select “injectable” and review content]

eResource 4-63: To learn more about clinical manifestations of cholelithiasis, go to Medscape:
- Online: [Pathway: www.medscape.org → Under the tab “Reference,” select “References & Tools” → enter “cholelithiasis” into the search field and review content]
- On a mobile device: [Pathway: Medscape → enter “cholelithiasis” into the search field and review content. Note: Be sure to review images]

eResource 4-64: Use MedCalc’s Online Calculator to verify your understanding: [Pathway: www.medcalc.com → select “Fluids/Electrolytes” → select “IV Rate” and enter information into fields]

eResource 4-65: For better understanding of this surgical procedure, review the following:
- Laparoscopic cholecystectomy: http://goo.gl/JBFXh
- On your mobile device, open Medscape [Pathway: Medscape → enter “cholecystectomy” into the search field and review content. Be sure to view the media library]

eResource 4-66: To reinforce her teaching, the nurse shows Patrick a video demonstrating the proper technique for using an incentive spirometry, view http://youtu.be/VHN5zPaw96w

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eResource 4-67: To learn more about the clinical presentation of acute pancreatitis, consult the Merck Manual: [Pathway: www.merckmanuals.com → select “The Merck Manual of Diagnosis and Therapy” → enter “acute pancreatitis” into the search field in the upper right corner → select “Overview of GI Bleeding” → select “Interpretation of findings”]

eResource 4-68: Consult Stedman’s Laboratory Reference Range Values: http://goo.gl/tXI3a


eResource 4-70: Use MedCalc to verify your answer: [Pathway: www.medcalc.com → select “Fluids/Electrolytes” → select “IV Rate” and enter information into fields]

eResource 4-71: For additional information regarding sliding-scale therapy, review http://goo.gl/CPldH

eResource 4-72: To reinforce teaching regarding complications of bedrest, the nurse provides the following information about bedsores (pressure sores): http://goo.gl/RrgdM

eResource 4-73: To reinforce patient teaching regarding morphine, consult Medscape on your mobile device: [Pathway: Medscape → enter “Morphine” into the search field and review content]
Nursing Care of the Patient With Neurological Disease

**eResource 5-1:** To learn more about the causes of seizures, consult the Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “seizure disorder” into the search field and review content regarding etiology. Don’t forget to look at the table of causes]

**eResource 5-2:** To verify the therapeutic serum level for Dilantin, refer to Epocrates on your mobile device: [Pathway: Epocrates → enter “Dilantin” into the search field → scroll down to “Safety/Monitoring” to review content]

**eResource 5-3:** To reinforce your understanding of common side effects associated with Dilantin, refer to Epocrates on your mobile device: [Pathway: Epocrates → enter “Dilantin” into the search field → scroll down to “Common Reactions” and review content]

**eResource 5-4:** To reinforce your understanding and to learn more about anticonvulsant medications, refer to Medscape on your mobile device: [Pathway: Medscape → enter “Epilepsy” into the search field → select “Epilepsy and Seizures” → select “Medication” tab → select “Anticonvulsant Agents” and review content]

**eResource 5-5:** For supplemental information regarding patient and family teaching, refer to Epocrates Online: [Pathway: http://online.epocrates.com → enter “epilepsy” into the search field → select “Generalized seizures in adults” → review content under “Follow-up” focusing on “Patient Instructions” and “Complications”]

**eResource 5-6:** For more information about seizure triggers, refer to Merck Manual Online: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “seizures” into the search field → select “seizure disorders” → review content under “History.” Be sure to scroll down to review Tables 1 and 3]
eResource 5-7: For more supplemental teaching material for Austin’s friends, refer to:
- Medline Plus interactive tutorial, Seizures & Epilepsy: http://goo.gl/GWTsG
- Careplans Online to review a nursing care plan for patients with seizure disorders: http://goo.gl/hXyWA

eResource 5-8: To help Pam learn more about this procedure, refer to Medline Plus: [Pathway: www.nlm.nih.gov → select “MedLinePlus” → enter “CT scan” into the search field → select “read more” → select “cranial CT” and review content. Or use quick link: http://goo.gl/bwI6h]

eResource 5-9: To learn more about risk factors associated with stroke, refer to Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “stroke” into the search field → select “risk factors” and review content]

eResource 5-10: To better understand what happens during a stroke, watch the following video, The Basics of Stroke: http://youtu.be/xbyfeEW56Nc

eResource 5-11: To learn more about the clinical presentation of stroke:
- Consult Medscape: [Pathway: Medscape → enter “stroke” into the search field → select “ischemic stroke” → select “clinical presentation” → select “history” and “physical examination” and review content]
- View the following video depicting the symptoms of Transient Ischemic Attack (TIA) or mini-stroke: http://youtu.be/L7UvhwORTd4

eResource 5-12: To learn more about the contraindications/risks associated with thrombolytic therapy, refer to the Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “thrombolytic therapy” into the search field → review content]

eResource 5-13: To understand the criteria used in determining eligibility for receiving the t-PA, refer to Medscape on your mobile device: [Pathway: Medscape → enter “thrombolytic” into the search field → select “thrombolytic therapy in stroke” → select “thrombolysis guidelines” and review content]

eResource 5-14: To verify your calculations, refer to MedCalc on your mobile device: [Pathway: MedCalc → enter “infusion” into the search field → select “infusion drip rate” → enter infusion order into fields]
**eResource 5-15:** For more information regarding a nursing care plan for Pam, refer to Careplans Online: http://goo.gl/jZsam

**eResource 5-16:** For more information regarding stroke rehabilitation resources, refer to:
- NIH’s *Post-Stroke Rehabilitation Fact Sheet*: http://goo.gl/92Pz4
- Department of Veterans Affairs, *Stroke Rehabilitation*: http://goo.gl/ruARI

**eResource 5-17:** For more information regarding recommended follow-up following a stroke, consult Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “stroke” → select “Ischemic stroke” → select “Follow-up” and review content]

**eResource 5-18:** To learn more about the causes of spinal cord injuries, consult Medscape on your mobile device: [Pathway: Medscape → enter “spinal cord” into the search field → select “spinal cord injuries” → under the “overview” section, review “epidemiology”]

**eResource 5-19:** To learn more about spinal cord injuries, view the following videos:

**eResource 5-20:** To learn more about the recommended diagnostic work-up, including x-rays and CT scan, continue reading in Medscape: [Pathway: Medscape → enter “spinal cord” into the search field → select “spinal cord injuries” → select the “Workup” tab and review content]

**eResource 5-21:** To verify your calculations, refer to MedCalc on your mobile device: [Pathway: MedCalc → enter “infusion” into the search field → select “infusion management” and enter patient data]

**eResource 5-22:** To learn more about complications associated with spinal cord injuries, refer to the Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “spinal cord injury” into the search field → select “spinal cord injury” → select “complications” and review content]

**eResource 5-23:** For supplemental information regarding developing a nursing careplan for Dean, refer to Careplans Online: http://goo.gl/nCBR2

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**eResource 5-24:** To provide additional teaching for Dean’s mother, refer to University of Washington Medical Center’s patient pamphlets regarding *Maintaining Health Skin:*
- Part 1: http://goo.gl/77Eij
- Part 2: http://goo.gl/5tV3h

**eResource 5-25:** To learn more about the causes of thrombophlebitis and preventive measures, refer to the Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “thrombophlebitis” into the search field → select “Deep Venous Thrombosis (DVT)” → select “Prevention” and review content]

**eResource 5-26:** For more information to supplement discharge teaching for spinal cord injury, refer to:
- NIH’s *Spinal Cord Injury Information Page*: http://goo.gl/0cI9c

**eResource 5-27:** To prepare Kacey for the MRI, the nurse reviewed the following content provided by MedlinePlus: http://goo.gl/2ej6K

**eResource 5-28:** To review the six-step protocol for giving bad news, view *How Best to Deliver Bad News to Patients and Family*: http://youtu.be/ItC68Pdnpk4

**eResource 5-29:** For a review of Therapeutic Communication view:
- List of Communication Techniques: http://goo.gl/LSgMJ

**eResource 5-30:** To better understand the pathophysiology of multiple sclerosis, refer to Medscape: [Pathway: Medscape → enter “Multiple Sclerosis” into the search field → review content under “pathophysiology” also be sure to review the content under the “Workup” tab—particularly the information under “Magnetic Resonance Imaging”]

**eResource 5-31:** To learn more about the clinical presentation of persons with multiple sclerosis, review the following:
- Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “multiple sclerosis” into the search field → select “multiple sclerosis” → select “Symptoms and Signs” and review content]
- A video describing the early symptoms of multiple sclerosis: http://youtu.be/shG0moR0Hec

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eResource 5-32: To reinforce your understanding of the side effects associated with glatiramer, refer to Skyscape’s RxDrugs on your mobile device: [Pathway: RxDrugs → enter “glatiramer” into the search field → scroll down to “Adverse Reactions” and review content]

eResource 5-33: To help Kacey and her mother learn more about managing multiple sclerosis, the nurse shows them a series of videos, Living Well: A Guide to Managing Multiple Sclerosis:
- Part 2: http://youtu.be/sTw7w6s6Yhw
- Part 3: http://youtu.be/p6Hk7SqaC_s

eResource 5-34: For supplemental information to help in the development of a care plan for Kacey, go to Careplans Online: http://goo.gl/gDj24

eResource 5-35: To reinforce your understanding of the pathophysiology of Parkinson’s disease, consult Medscape: [Pathway: Medscape → enter “parkinson” into the search field → select “Parkinson Disease” → review “pathophysiology” under the “Overview” tab]

eResource 5-36: To learn more about the manifestations of Parkinson’s disease, view An Introduction to Parkinson’s Disease by Brian Magennis: http://youtu.be/YVEv9ulfqd4

eResource 5-37: To reinforce your understanding of the clinical presentation of Parkinson’s disease, review
- Online: Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “Parkinson” into search field → select “parkinson’s disease” → select “Symptoms and Signs” to view content]
- On your mobile device, Medscape: [Pathway: Medscape → enter “parkinson” into the search field → select “parkinson’s disease” → select “clinical presentation” and review content]

eResource 5-38: To better understand dyskinesia and how it is manifested in patients, view the following videos:
- Parkinson’s Disease Symptoms #3: Dyskinesia:
  http://youtu.be/GgvswR95WQc
- What Are the Symptoms of Parkinson’s Disease?—Ask the Experts:
  http://youtu.be/THDFQfmkKlg

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eResource 5-39: To supplement patient teaching, the nurse provides the following information to Rick and his wife:

- Online: Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “parkinson” into the search field → select “Treatment” and review content]
- Epocrates Online: [Pathway: http://online.epocrates.com → select “Merck Manual of Diagnosis and Therapy” → enter “parkinson” into the search field → select “follow-up” and review content]
- On your mobile device, Medscape: [Pathway: Medscape → enter “parkinson” into the search field → select “parkinson's disease” → select “Treatment and Management” and review content]

eResource 5-40: For more information to help in the development of a nursing care plan for Rick, refer to NANDA Nursing Blogspot: http://goo.gl/1SGo7

eResource 5-41: For more information regarding strategies to prevent constipation, review information provided in:

- Medscape: [Pathway: Medscape → enter “constipation” into the search field → select “constipation” → review content under “Treatment and Management”]
- Careplans Online: http://goo.gl/WFZr7

eResource 5-42: For more information regarding long-term monitoring for Rick, refer to:

- Medscape: [Pathway: Medscape → Parkinson's Disease → “Treatment and Management” → select “long-term monitoring” and review content]
- Epocrates Online: [Pathway: http://online.epocrates.com → enter “parkinson” into the search field → select “follow-up” and review content]

eResource 5-43: To learn more about key findings associated with Alzheimer's disease, consult Epocrates Online: [Pathway: http://online.epocrates.com → enter “Alzheimer” into search field → select “Alzheimer's disease” and review key findings]

eResource 5-44: For more information to supplement patient and family teaching, refer to:

- NIH Senior Health, Alzheimer's Disease: http://goo.gl/Kfj9b
- National Institute on Aging's publication, Understanding Alzheimer's Disease: What You Need to Know: http://goo.gl/RgDPo

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eResource 5-46: To reinforce your understanding of Aricept, refer to your mobile device and open:
- Epocrates: [Pathway: Epocrates → enter “Aricept” into the search field → review content]
- Medscape: [Pathway: Medscape → enter “Aricept” into the search field → review content]

eResource 5-47: For more information about safety precautions, read *Staying Safe:* http://goo.gl/fvObe

eResource 5-48: For more information to help Harry’s wife locate more resources to support caregiving, refer to:
- Strategies for Caring for Someone With Alzheimer’s: http://goo.gl/u7ZZh
- Short video describing strategies for managing activities for patients with Alzheimer’s: http://goo.gl/dfm9
Nursing Care of the Patient With Endocrine Disease

**eResource 6-1:** To review risk factors associated with diabetes, consult Epocrates Online: [Pathway: → http://online.epocrates.com → select the “diseases” tab → enter “Diabetes” into the search field → review content related to “risks”]

**eResource 6-2:** To learn more about the pathophysiology of type 2 diabetes, open Medscape on your mobile device: [Pathway: Medscape → enter “Type 2 Diabetes” into the search field → in the “overview” section, select “pathophysiology” and review content]

**eResource 6-3:** For more information regarding clinical manifestations associated with diabetes mellitus, refer to the Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “Diabetes” into the search field → select “Diabetes Mellitus (DM)” → select “Symptoms and Signs” and review content]

**eResource 6-4:** To learn more about the diagnostic work-up for Jenny, refer to Medscape on your mobile device: [Pathway: Medscape → enter “Type 2 Diabetes” into the search field → select “Type 2 Diabetes Mellitus” → select “Workup” and review content]

**eResource 6-5:** To learn more about HgbA1C, refer to Medscape on your mobile device: [Pathway: Medscape → enter “A1C” into the search field → select “Hemoglobin A1C testing” and review content]

**eResource 6-6:** To review patient teaching regarding metformin with Jenny, refer to Epocrates on your mobile device: [Pathway: Epocrates → enter “metformin” into the search field → select “metformin” → scroll down to review “common reactions” and other relevant content]

**eResource 6-7:** To learn more about nutritional management of patients with diabetes, refer to Medscape on your mobile device: [Pathway: Medscape → enter “nutrition” into the search field → select “Nutritional Management of Patients with Diabetes” and review content]
eResource 6-8: To learn more about these medications, consult Medscape on your mobile device: [Pathway: Medscape → enter “Type 2 Diabetes” → select “Medication” and review content]

eResource 6-9: To learn more about microvascular and macrovascular complications, refer to Medscape on your mobile device: [Pathway: Medscape → enter “Type 2 Diabetes” → select “Treatment and Management” → select “Approach and Considerations” and scroll down to review content]

eResource 6-10: To supplement patient teaching regarding diabetes, refer to:
- MedlinePlus’s interactive tutorial, Diabetes—Introduction: http://goo.gl/nJn7E
- National Institutes of Health’s (NIH’s) pamphlet, Your Guide to Diabetes: Type 1 and Type 2: http://goo.gl/bgBNl

eResource 6-11: To learn about the American College of Physicians recommended vaccinations for Jenny to help keep her healthy, download the ACP Immunization Advisor (ACP-IA) “app” onto your mobile device (http://goo.gl/NZQJB). [Pathway on your mobile device: ACP-IA → select “find” → enter “age” and “Condition” (Note: There are no special considerations for Jenny) → select “Show Vaccines”]

eResource 6-12: To learn more, Alissa refers to Medscape on her mobile device: [Pathway: Medscape → enter “hypothyroidism” → select “Overview” → review content listed under “Background,” “Epidemiology,” and “Pathophysiology”]

eResource 6-13: To learn more about common signs and symptoms associated with an endocrine disorder, refer to the Merck Manual:
- Hypothyroidism: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “hypothyroidism” into the search field → select “hypothyroidism” → select “Symptoms and Signs” and review content]
- Endocrine Disorders: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “Endocrine Disorders” into the search field → select “Endocrine Disorders” and review content]

eResource 6-14: To learn more about the clinical presentation, refer to Medscape: [Pathway: Medscape → enter “hypothyroidism” into the search field → select “clinical presentation” and review content]
**eResource 6-15:** To learn more about lab tests, consult Medscape: [Pathway: Medscape → enter “hypothyroidism” into the search field → select “work-up” → select “Laboratory Studies” and review content]

**eResource 6-16:** To learn more about this medication, Alissa consults Epocrates on her mobile device: [Pathway: Epocrates → enter “Synthroid” into the search field → review content]

**eResource 6-17:** For more patient education information, refer to *Hypothyroidism: What Every Patient Needs to Know*: http://goo.gl/jM09p

**eResource 6-18:** Alissa uses Medscape on her mobile device to supplement her understanding of hyperthyroidism: [Pathway: Medscape → enter “hyperthyroidism” into the search field → review content]

**eResource 6-19:** To reinforce your understanding of the function of the adrenal cortex, view the following video, *Adrenal Gland Explained Clearly!*, by Dr. Roger Seheult,
- Part 1: http://youtu.be/IF_3mJV3Yh0
- Part 2: http://youtu.be/TLzqjRvq104

**eResource 6-20:** To supplement your teaching regarding prednisone, refer to Epocrates Online: [Pathway: → http://online.epocrates.com → select the “Medication” tab → enter “Predisone” into the search field → select “patient teaching” and review content]

**eResource 6-21:** To learn more about causes of Cushing’s syndrome, consult the Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “Cushing’s Syndrome” into the search field → select “Cushing’s Syndrome” → select “Etiology” and review content]

**eResource 6-22:** To learn more about the clinical presentation of Cushing’s syndrome, refer to Medscape on your mobile device: [Pathway: Medscape → enter “Cushing’s syndrome” into the search field → select “Clinical Presentation” and review content]

**eResource 6-23:** To learn more about the diagnostic work-up of Cushing’s syndrome, refer to Medscape on your mobile device: [Pathway: Medscape → enter “Cushing’s syndrome” into the search field → select “Work-Up” → select “Laboratory Studies” and review content]

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**eResource 6-24:** For additional information regarding developing a nursing care plan for a client with Cushing's syndrome, refer to:
- eNurse Care Plan: http://goo.gl/UNe1j
- Nursing Hubpages: http://goo.gl/RTP6F

**eResource 6-25:** For more patient education information to provide to Linda, refer to the NIH's publication “Cushing's Syndrome”: http://goo.gl/UbClf

**eResource 6-26:** To reinforce patient teaching regarding prednisone, its indication and effects, on your mobile device, consult:
- Medscape: [Pathway: Medscape → enter “Prednisone” into the search field → review content]
- Skyscape's RxDrugs: [Pathway: RxDrugs → enter “Prednisone” into the search field → review content]
- Epocrates: [Pathway: Epocrates → enter “Prednisone” into the search field → review content]
Nursing Care of the Patient With Immunological Disease

**eResource 7-1:** For more information about HIV testing, consult Medscape on your mobile device:
- Overview: [Pathway: Medscape → enter “HIV” into the search field → select “HIV Testing Overview” and review content]
- HIV Antibody Testing: [Pathway: Medscape → enter “HIV” into the search field → select “HIV Antibody Testing” and review content]
- Pathophysiology: [Pathway: Medscape → enter “HIV” into the search field → select “HIV disease” → select “pathophysiology” and review content]

**eResource 7-2:** To learn more about HIV and AIDS, Eva views the following videos:
- *Understanding HIV and AIDS (HIV #1):* http://youtu.be/P91nIGt1axs

**eResource 7-3:** To learn more about the risk factors for HIV/AIDS, consult Epocrates Online: [Pathway: → http://online.epocrates.com → select the “diseases” tab → enter “HIV” into the search field → review content related to “risks”]

**eResource 7-4:** To learn more about the clinical presentation of HIV/AIDS, consult the Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “HIV” into the search field → select “Human Immunodeficiency Virus (HIV)” → select “Symptoms and Signs” and review content]

**eResource 7-5:** To verify your calculations for weight conversion, consult Skyscape’s Archimedes on your mobile device: [Pathway: Archimedes → enter “weight conversion” into the search field → enter patient data]
**eResource 7-6:** To verify your calculations, consult Skyscape’s Archimedes on your mobile device: [Pathway: Archimedes → enter “IV” into the search field → select “IV Calc: infuse a volume” and enter medication order data]

**eResource 7-7:** For more information to provide patient teaching, refer to:
- CDC’s Living With HIV/AIDS: http://goo.gl/9Toqe
- Coping With HIV and AIDS: http://goo.gl/zVvqH

**eResource 7-8:** For more information regarding nursing care of patients with HIV/AIDS, refer to:
- Nursing Care of Patients with HIV/AIDS: http://goo.gl/mwD8e
- University of California–San Francisco’s HIV InSite: http://goo.gl/CYWy

**eResource 7-9:** To reinforce your understanding of Mabel’s current medications and their effects, consult Epocrates on your mobile device: [Pathway: Epocrates → enter “Enbrel” into the search field and review content. Repeat with “ibuprofen” and “naproxen”]

**eResource 7-10:** To learn more about rheumatoid arthritis, consult the following:
- Medscape on your mobile device [Pathway: Medscape → enter “rheumatoid” into the search field → select “Rheumatoid Arthritis” and review content under “overview”]
- Merck Manual online [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “rheumatoid” into the search field → select “Rheumatoid Arthritis” → review content]

**eResource 7-11:** To learn more about the clinical presentation of rheumatoid arthritis, refer to Medscape on your mobile device: [Pathway: Medscape → enter “rheumatoid” into the search field → select “rheumatoid arthritis” and review content under “Clinical Presentation”]

**eResource 7-12:** To learn more about the risk factors associated with rheumatoid arthritis, refer to Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “rheumatoid arthritis” into the search field → select “Rheumatoid Arthritis” and review content under “risk factors.” Also be sure to review “etiologies.”]
eResource 7-13: To learn more about the diagnostic work-up ordered for Mabel, refer to:
- Epocrates Online: [Pathway: http://online.epocrates.com → select “diseases” tab → enter “rheumatoid” into the search field → select “Rheumatoid Arthritis” → review content under “Diagnosis”]
- Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “rheumatoid” into the search field → select “Rheumatoid Arthritis” → review content under “Diagnosis”]

eResource 7-14: To reinforce your understanding of the newly prescribed medications, refer to the following resources on your mobile device:
- Epocrates: [Pathway: Epocrates → enter “Plaquenil” into the search field and review information. Repeat with “Humira” and “Prednisone”]
- Skyscape’s RxDrugs: [Pathway: RxDrugs → enter “Plaquenil” into the search field and review information. Repeat with “Humira” and “Prednisone”]
- Medscape: [Pathway: Medscape → enter “Plaquenil” into the search field and review information. Repeat with “Humira” and “Prednisone”]

eResource 7-15: For additional information to support discharge teaching, review the following information:
- National Institutes of Health’s Handout on Health: Rheumatoid Arthritis: http://goo.gl/Kb0Wd
- MedlinePlus’s Interactive tutorial, Rheumatoid Arthritis: http://goo.gl/o2sT5

eResource 7-16: To learn more about the clinical presentation of osteoarthritis, refer to:
- Medscape: [Pathway: Medscape → enter “Osteoarthritis” into the search field → review content under “clinical presentation”]
- View MedlinePlus’s video, Osteoarthritis: http://goo.gl/mjPKA

eResource 7-17: To learn more about risk factors associated with osteoarthritis, refer to:
- Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “osteoarthritis” into the search field and review content under “risk factors”]
- Centers for Disease Control and Prevention (CDC) Risk Factors: http://goo.gl/i0oG4

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eResource 7-18: For more information regarding the recognizable signs and symptoms associated with osteoarthritis, refer to:
- Medscape: [Pathway: Medscape → enter “osteoarthritis” into the search field → read “physical examination” under the “clinical presentation” tab]
- Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “osteoarthritis” into the search field → select “osteoarthritis” → select “symptoms & signs” and review content]

eResource 7-19: To reinforce your understanding of the effects of Toradol, refer to the following resources on your mobile device:
- Epocrates: [Pathway: Epocrates → enter “Toradol” into the search field and review information]
- Skyscape's RxDrugs [Pathway: RxDrugs → enter “Toradol” into the search field and review information]
- Medscape: [Pathway: Medscape → enter “Toradol” into the search field and review information]

eResource 7-20: For supplemental information regarding alternative methods for pain management, refer to the CDC website: http://goo.gl/3Jijk

eResource 7-21: For more information regarding developing a nursing care plan for Georgia’s pain and activity intolerance, refer to NANDA Nursing Interventions:
- Activity Intolerance: http://goo.gl/p9bBT
- Pain (Acute/Chronic) related to Osteoarthritis: http://goo.gl/XHfZv

eResource 7-22: For more information regarding SLE, refer to Medscape on your mobile device: [Pathway: Medscape → enter “lupus” into the search field → select “Systemic Lupus Erythematosus (SLE)” and review information under “Clinical Presentation”]

eResource 7-23: To learn more about the diagnostic workup for Roberta and the diagnostic criteria, refer to Medscape on your mobile device: [Pathway: Medscape → enter “lupus” into the search field → select “Systemic Lupus Erythematosus (SLE)” → select “Workup” and review content under “Approach” and “Diagnostic Criteria for SLE”]
**eResource 7-24:** To reinforce your understanding of the side effects of prednisone, refer to the following resources on your mobile device:

- **Epocrates:** [Pathway: Epocrates → enter “Prednisone” into the search field → scroll down to review “Adverse Reactions” and “Safety and Monitoring”]
- **Skyscape’s RxDrugs** [Pathway: RxDrugs → enter “Prednisone” into the search field → scroll down to “warnings/precautions” and review information]
- **Medscape:** [Pathway: Medscape → enter “Prednisone” into the search field → select “Adverse Effects” and review information]
eResource 8-1: Refer to Medscape to reinforce your understanding of anemia: [Pathway: Medscape → enter “anemia” into the search field → select “anemia” → review content in “overview.” Be sure to review content under “etiology”]

eResource 8-2: To reinforce your understanding of the clinical manifestations of anemia, refer to:
- Medscape on your mobile device: [Pathway: Medscape → enter “anemia” into the search field → select “anemia” → select “Clinical Presentation” and review content]
- View Anemia 1: Overview & Iron Deficiency Anemia: http://youtu.be/45v4R1S-2Hw

eResource 8-3: For more information about iron-deficiency anemia, refer to Medscape on your mobile device: [Pathway: Medscape → enter “anemia” into the search field → select “anemia” → select “Differential Diagnoses” → select “Iron Deficiency Anemia” and review content]

eResource 8-4: For more information about the epidemiology of iron-deficiency anemia, refer to Medscape on your mobile device: [Pathway: Medscape → enter “Iron Deficiency Anemia” into the search field → under “Overview” select “Epidemiology” and review content]

eResource 8-5: To learn more about dietary measures to treat iron-deficiency anemia, refer to the National Institutes of Health’s publication How Is Anemia Treated? http://goo.gl/7x8Cf

eResource 8-6: To learn more about ferrous sulfate, consult the following resources on your mobile device:
- Medscape: [Pathway: Medscape → enter “ferrous sulfate” into the search field → review content]
- Skyscape’s RxDrugs: [Pathway: RxDrugs → enter “ferrous sulfate” into the search field → review content]
- Epocrates: [Pathway: Epocrates → enter “ferrous sulfate” into the search field → review content]
eResource 8-7: For supplemental information to assist in development of a nursing care plan for Whitney to help address her fatigue, refer to Nursing Care Plan and Diagnosis: http://goo.gl/8xccA

eResource 8-8: To learn more about the pathophysiology of DIC, consult:
- Medscape on your mobile device: [Pathway: Medscape → enter “DIC” into the search field → select “Pathophysiology” and review content]
- View the iMedicalSchool video, Disseminated Intravascular Coagulation (DIC): http://youtu.be/3gBdiXpwHAE

eResource 8-9: To learn more about the clinical manifestations of DIC, consult:
- Epocrates Online: [Pathway: → http://online.epocrates.com → select the “diseases” tab → enter “DIC” into the search field → select “disseminated intravascular coagulation (DIC)” and review “Key Highlights” and “Physical Exam”]
- Medscape on your mobile device: [Pathway: Medscape → enter “DIC” into the search field → select “Clinical Presentation” and review content]

eResource 8-10: To reinforce your understanding of normal blood values, refer to the University of Minnesota’s medical student website, Normal Lab Values: http://goo.gl/sTM1A

eResource 8-11: To reinforce your understanding of lab results that indicate DIC, refer to Medscape on your mobile device: [Pathway: Medscape → enter “DIC” into the search field → select “Workup” → select “Laboratory Studies” and review content]

eResource 8-12: To learn more about blood products, refer to the Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “Blood Products” into the search field → select “Blood Products” → scroll down to review content]

eResource 8-13: To reinforce your understanding:
- Review the iMedical School video: Disseminated Intravascular Coagulation (DIC): http://youtu.be/3gBdiXpwHAE
- View, DIC video lecture by Dr. Sue Gamel-McCormick: http://youtu.be/87uBWZmZGWk

eResource 8-14: For additional resources to develop a nursing care plan for Dale, consult eNurse Care Plans: http://goo.gl/4P3fg

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Nursing Care of the Patient With Musculoskeletal Disease

**eResource 9-1:** To supplement your understanding of the risk factors associated with osteoporosis, refer to Epocrates Online: [Pathway: http://online.epocrates.com → select the “Diseases” tab → enter “Osteoporosis” into the search field → under “Diagnosis” select “risk factors” and review content]

**eResource 9-2:** To help Frances better understand osteoporosis, the nurse shows her the following videos:
- MedlinePlus’s Osteoporosis: http://goo.gl/pj1xb

**eResource 9-3:** To learn more about the relevant laboratory tests for osteoporosis, refer to:
- Medscape on your mobile device: [Pathway: Medscape → enter “osteoporosis” into the search field → select “workup” → select “Laboratory Studies” and review content]
- The Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “osteoporosis” into the search field → select “osteoporosis” → select “Etiology” and review content]

**eResource 9-4:** To supplement your teaching regarding the diagnostic procedures, refer to:
- MedlinePlus for information re: Bone Density Test: [Pathway: www.nlm.nih.gov/medlineplus → enter “bone density test” into the search field → select “bone density mineral test” and review content]
(Note: There are many diagnostic procedures related to osteoporosis listed here)]
eResource 9-5: For more information regarding dietary treatment, refer to:

- Epocrates Online: [Pathway: http://online.epocrates.com → select the "diseases" tab → enter “osteoporosis” into the search field → select “Treatment” tab → review content under “Approach,” focusing on “Diet and Lifestyle”]
- The Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “osteoporosis” into the search field → select “osteoporosis” → select “Treatment” and review content. Be sure to review content regarding “preventing bone loss”]

eResource 9-6: To reinforce your understanding of these medications, their effects and side effects, refer to the following resources on your mobile device:

- Epocrates: [Pathway: Epocrates → enter “Premarin” into the search field and review information. Repeat this activity with calcium carbonate, vitamin D, and Fosamax]
- Skyscape’s RxDrugs: [Pathway: RxDrugs → enter “Premarin” into the search field and review information. Repeat this activity with calcium carbonate, vitamin D, and Fosamax]
- Medscape: [Pathway: Medscape → enter “Premarin” into the search field and review information. Repeat this activity with calcium carbonate, vitamin D, and Fosamax]

eResource 9-7: To reinforce patient teaching, the nurse consults Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “osteoporosis” into the search field → select “treatment” tab → select “prevention” and review content related to primary and secondary prevention]

eResource 9-8: To learn more about the risk factors associated with this injury, consult Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “hip fracture” into the search field → under the “diagnosis” tab, select “risk factors” and review content]

eResource 9-9: To support Vera’s understanding, the provider uses a mobile device to access Medscape and show her images depicting this type of fracture: [Pathway: Medscape → enter “hip fracture” into the search field → select “Intertrochanteric Hip Fractures” → select “Background” and click on images]
**eResource 9-10:** To learn more about this surgical procedure, refer to:
- Medscape on your mobile device: [Pathway: Medscape → enter “hip fracture” into the search field → select “Intertrochanteric Hip Fractures” → select “Treatment & Management” and review content, focusing on “Intraoperative Details.” Be sure to view images]
- Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “hip fracture” into the search field → under the “Treatment” tab, select “Tx Details” and review content]

**eResource 9-11:** For information about alternative methods for pain management, refer to AAOS’s publication *Alternative Methods to Help Manage Pain After Orthopaedic Surgery*: [Pathway: http://orthoinfo.aaos.org → select “Treatments & Surgeries” on the menu → scroll down and select “Alternative Methods to Help Manage Pain After Orthopaedic Surgery.” (NOTE: there is additional information here regarding complementary medicine)]

**eResource 9-12:** To reinforce your understanding of these medications, their effects and side effects, refer to Medscape on your mobile device: [Pathway: Medscape → enter “Osteoporosis” into the search field → select “Medications” and review information]

**eResource 9-13:** To reinforce discharge teaching, refer to Medscape on your mobile device: [Pathway: Medscape → enter “Osteoporosis” into the search field → select “Treatment & Management” and review information—focusing on “Dietary Measures,” “Physical and Occupational Therapy,” “Exercise,” and “Long-Term Monitoring”]
Nursing Care of the Patient With Infectious Diseases

**eResource 10-1:** To reinforce your understanding of diagnostic influenza tests, refer to Medscape on your mobile device: [Pathway: Medscape → enter “influenza” into the search field → select “Diagnostic Influenza Tests” → select “Collection and Diagnostic Methods” and click on Tables. Be sure to review other information as well, particularly “considerations”]

**eResource 10-2:** To help Ernest understand how he contracted influenza, refer to:
- Medscape on your mobile device: [Pathway: Medscape → enter “influenza” into the search field → select “Diagnostic Influenza Tests” → select “Collection and Diagnostic Methods” and click on Tables. Be sure to review other information as well, particularly “considerations”]

**eResource 10-3:** To reinforce your understanding of Tamiflu, refer to the following resources on your mobile device:
- Epocrates: [Pathway: Epocrates → enter “Tamiflu” into the search field and review information]
- Skyscape’s RxDrugs: [Pathway: RxDrugs → enter “Tamiflu” into the search field and review information]
- Medscape: [Pathway: Medscape → enter “Tamiflu” into the search field and review information]

**eResource 10-4:** As the nurse plans for Ernest’s discharge, the nurse reviews the following material:
- Centers for Disease Control and Prevention’s (CDC’s) Seasonal Influenza (Flu) information: www.cdc.gov/flu/
- Screening Questionnaire: www.immunize.org/catg.d/p4066.pdf
- CDC Publications: www.cdc.gov/vaccines/pubs/vis/default.htm
**eResource 10-5:** The nurse consults the American College of Physicians (ACP) recommended vaccinations to help keep Ernest healthy, for which she has downloaded the ACP Immunization Advisor (ACP-IA) “app” onto her mobile device (http://goo.gl/NZQJB): [Pathway: ACP-IA → select “find” → enter “age” and “condition” (Note: There are no special considerations for Ernest.) → select “Show Vaccines”]

**eResource 10-6:** To provide supplemental instruction and reinforce the information being provided to Ernest, the nurse uses a mobile device to access CDC Mobile: [Pathway: http://m.cdc.gov → “Diseases and Conditions” → “Seasonal Flu”]

**eResource 10-7:** For more information about prevention of influenza, refer to Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “influenza” into the search field → select “Seasonal influenza” → under the “treatment” tab, select “prevention” and review content]

**eResource 10-8:** To help Ernest understand why he needs to have a flu shot every year, the nurse shows him the following video, *Influenza: Get the (Antigenic) Drift*: http://youtu.be/ug-M1nIhfIA

**eResource 10-9:** To reinforce your understanding of the clinical manifestations of tuberculosis, refer to:

- Medscape on your mobile device: [Pathway: Medscape → enter “tuberculosis” into the search field → select “Clinical Presentation” and review content]
- Epocrates Online: [Pathway: http://online.epocrates.com → select the “Diseases” tab → enter “tuberculosis” into the search field → select “Tuberculosis (pulmonary)” review “Key Highlights” and “History” → “Exam”]

**eResource 10-10:** To learn more about diagnostic procedures for tuberculosis, review:

- Medscape on your mobile device: [Pathway: Medscape → enter “tuberculosis” into the search field → select “tuberculosis” → select “Workup” and review content]
- Epocrates Online: [Pathway: http://online.epocrates.com → select the “diseases” tab → enter “tuberculosis” into the search field → under the “Diagnosis” tab, select “tests” and review content]
- The Merck Manual: [Pathway: www.merckmanuals.com → select “Merck Manual of Diagnosis and Therapy” → enter “tuberculosis” into the search field → select “tuberculosis” → select “Diagnosis” and review content]
Resource 10-11: To learn more about causes of tuberculosis, review Medscape on your mobile device: [Pathway: Medscape → enter “tuberculosis” into the search field → select “tuberculosis” → select “Overview” and review content in “Background” and “Epidemiology”]

Resource 10-12: For more information, consult the University of North Carolina Hospital’s Understanding Isolation Precautions: http://goo.gl/3zBYP

Resource 10-13: To reinforce your understanding of the medications used to treat tuberculosis, refer to Medscape on your mobile device: [Pathway: Medscape → enter “tuberculosis” into the search field → select “Medication” → select “Antitubercular agents” and review content]

Resource 10-14: To reinforce your understanding of the above medications, their effects and side effects, refer to the following resources on your mobile device:

- Epocrates: [Pathway: Epocrates → enter “Isoniazid” into the search field and review information. Repeat with the other medications]
- Skyscape’s RxDrugs: [Pathway: RxDrugs → enter “Isoniazid” into the search field and review information. Repeat with the other medications]
- Medscape: [Pathway: Medscape → enter “Isoniazid” into the search field and review information. Repeat with the other medications]

Resource 10-15: To supplement the discharge teaching provided to Lambert, the nurse provides the following pamphlet, Staying on Track With TB Medicine: http://goo.gl/So5LF