

# Pathophysiology and Nursing Management of Clients' Health

NRS-410V

3 Credits

Aug 14 - Sep 17

## Course Description

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This course is designed to enhance the working RN's existing understanding of the pathophysiological processes of disease as they affect clients across the lifespan. The interrelationship of structural and functional reactions of cells and tissues to genetic alterations and injurious agents provide the foundation for comprehending clinical manifestations and treatment protocols. Critical thinking and nursing management are enhanced through the use of case studies that integrate nutritional and pharmacological concepts. The understanding of environmental and biological risk factors provides the nurse with the knowledge to provide health promotion and prevention education.

## Instructor Contact Information

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## Class Resources

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### Pathophysiology: Clinical Applications for Client Health

Grand Canyon University (Ed.). (2022). *Pathophysiology: Clinical applications for client health* (2nd ed.).

### Essential Documentation. In Document Smart: The A-to-Z Guide to Better Nursing Documentation

Capriotti, T. (2019). Essential documentation. In *Document smart: The A-to-Z guide to better nursing documentation*. Wolters Kluwer.

<https://ebookcentral-proquest-com.lopes.idm.oclc.org/lib/gcu/reader.action?docID=6372329&ppg=183>

### GCU Library Nursing & Health Sciences Guide

View the GCU Library Nursing and Health Sciences Guide to familiarize yourself with the resources available for nursing research.

<https://libguides.gcu.edu/Nursing>

## Introduction to the GCU Library

View the Introduction to the GCU Library website to familiarize yourself with library resources.

<https://libguides.gcu.edu/LibraryTour>

## Lippincott Advisor

Lippincott Advisor (Patient Teaching Handouts and Patient Teaching Navigator )

<https://libguides.gcu.edu/Nursing/lippincott>

## LopesWrite

Refer to the LopesWrite webpage for guidance regarding assignments requiring submission to LopesWrite.

<https://support.gcu.edu/hc/en-us/articles/201277380-LopesWrite>

## Prevention programs

Roger, J. R. (2018). Prevention programs. In R. J. R. Levesque, *Encyclopedia of adolescence* (2nd ed.). Springer Science+Business Media.

[https://lopes.idm.oclc.org/login?url=https://search.credoreference.com/content/entry/sprgstv/prevention\\_programs/0?institutionId=5865](https://lopes.idm.oclc.org/login?url=https://search.credoreference.com/content/entry/sprgstv/prevention_programs/0?institutionId=5865)

## Statement on the Integration of Faith and Work

Read the "Statement on the Integration of Faith and Work" from Grand Canyon University's One Foundation (2015) in preparation for various discussion questions.

<https://www.gcu.edu/sites/default/files/media/Documents/Statement-IFLW.pdf>

## Topic 1: Cardiorespiratory Complexities

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Objectives:

1. Evaluate functions of the cardiac and respiratory systems based on findings.
2. Develop a health promotion with a restoration teaching plan for a patient with cardiorespiratory complexities.
3. Develop a method for patient education to prevent hospital readmission.

## Resources

### **Congestive Heart Failure and Congenital Defects**

Read "Congestive Heart Failure and Congenital Defects," located on the American Heart Association website.

<https://www.heart.org/en/health-topics/congenital-heart-defects/the-impact-of-congenital-heart-defects/congestive-heart-failure-and-congenital-defects>

### **Evaluating the Effectiveness of an Online Cardiac Rehabilitation Resource (www.svhhearthealth.com.au) in Improving Knowledge and Confidence for Patients With Newly Diagnosed Cardiac Conditions: A Pre-Experimental Pilot Study**

Read "Evaluating the Effectiveness of an Online Cardiac Rehabilitation Resource (www.svhhearthealth.com.au) in Improving Knowledge and Confidence for Patients With Newly Diagnosed Cardiac Conditions: A Pre-Experimental Pilot Study," by Molan, Emmanuel, Langley and Holloway, from *Heart, Lung and Circulation*, 2019.

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S144395061830129X>

### **Optional- Atrial Fibrillation Symptom Perception**

For additional information, the following is recommended:

"Atrial Fibrillation Symptom Perception," by Streur, from *Journal for Nurse Practitioners* (2019).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S1555415518306974>

### **GOLD Initiative for Chronic Obstructive Lung Disease**

Explore the Global Initiative for Chronic Obstructive Lung Disease (GOLD) website.

<https://goldcopd.org/>

### **Nurseslabs-For All Your Nursing Needs**

Refer to the nurseslabs.com website for pharmacology support in completing the assignment for the topic 1 case study.

<https://nurseslabs.com/>

### **Identifying Self-Care Practices in Heart Failure Patients**

Read "Identifying Self-Care Practices in Heart Failure Patients", by Koster, J, from *The Nursing Voice*, 9(1) (2021).

<https://lopes.idm.oclc.org/login?url=https://www.proquest.com/trade-journals/identifying-self-care-practices-heart-failure/docview/2556886757/se-2?accountid=7374>

### **Patient Perceived Impact of Nurse-Led Self-Management Interventions for COPD: A Systematic Review of Qualitative Research**

Read "Patient Perceived Impact of Nurse-Led Self-Management Interventions for COPD: A Systematic Review of Qualitative Research," by Baker and Fatoye, from *International Journal of Nursing Studies* (2019).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S002074891830258X>

### **Optional- Exploring New Pathways and Emerging Data for Better Control and Management in the Personalized Treatment of Severe Asthma**

For additional information, the following is recommended:

"Exploring New Pathways and Emerging Data for Better Control and Management in the Personalized Treatment of Severe Asthma," by Bernstein, D.I., *Journal of Managed Care Medicine*, 23(1) (2020).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=143062031&site=ehost-live&scope=site&custid=s8333196&groupid=main&profile=ehost>

### **Pathophysiology: Clinical Applications for Client Health**

Read Chapter 1 in *Pathophysiology: Clinical Applications for Client Health*.

### **Optional- Ludwig's Angina: a Multidisciplinary Concern**

For additional information, the following is recommended:

"Ludwig's Angina: A Multidisciplinary Concern," by Parker and Mortimore, from *British Journal of Nursing* (2019).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=edb&AN=136368623&site=eds-live&scope=site>

### **Acute Myocardial Infarction**

Read "Acute Myocardial Infarction," by Reed, Rossi and Cannon, from *The Lancet* (2017).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S0140673616306778>

## Optional- A Nursing Care of Patients After Cardiac Arrest in the Course of Myocardial Infarction

For additional information, the following is recommended:

"A Nursing Care of Patients After Cardiac Arrest in the Course of Myocardial Infarction," by Kaminska and Krzeminska, from *Journal of Education, Health and Sport* (2018).

<https://doaj.org/article/39ac6a139c46478997596aa30cf17811?>

## Assessments

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### Summary of Current Course Content Knowledge

Start Date & Time	Due Date & Time	Points
Aug 14, 2023, 12:00 AM	Aug 14, 2023, 11:59 PM	0

#### Assessment Description

Academic engagement through active participation in instructional activities related to the course objectives is paramount to your success in this course and future courses. Through interaction with your instructor and classmates, you will explore the course material and be provided with the best opportunity for objective and competency mastery. To begin this class, review the course objectives for each Topic, and then answer the following questions as this will help guide your instructor for course instruction.

1. Which weekly objectives do you have prior knowledge of and to what extent?
2. Which weekly objectives do you have no prior knowledge of?
3. What course-related topics would you like to discuss with your instructor and classmates? What questions or concerns do you have about this course?

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### Class Introductions

Start Date & Time	Due Date & Time	Points
Aug 14, 2023, 12:00 AM	Aug 16, 2023, 11:59 PM	0

#### Assessment Description

Take a moment to explore your new classroom and introduce yourself to your fellow classmates. What are you excited about learning? What do you think will be most challenging?

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### Topic 1 DQ 1

Start Date & Time	Due Date & Time	Points
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#### Assessment Description

Identify a cardiac or respiratory dysfunction and its cause. Outline the key steps necessary to prevent the dysfunction and improve health status.

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### Topic 1 DQ 2

Start Date & Time	Due Date & Time	Points
Aug 14, 2023, 12:00 AM	Aug 18, 2023, 11:59 PM	8

#### Assessment Description

Discuss what resources are available for chronic cardiorespiratory issues to support patient independence and prevent readmission. Explain how readmission affects reimbursement. What implications does readmission have on the hospital, and on the patient?

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### Case Study: Mrs. J.

Start Date & Time	Due Date & Time	Points
Aug 14, 2023, 12:00 AM	Aug 20, 2023, 11:59 PM	120

#### Assessment Traits

 Requires LopesWrite

#### Assessment Description

It is necessary for an RN-BSN-prepared nurse to demonstrate an enhanced understanding of the pathophysiological processes of disease, the clinical manifestations and treatment protocols, and how they affect clients across the life span.

Evaluate the Health History and Medical Information for Mrs. J., presented below.

Based on this information, formulate a conclusion based on your evaluation, and complete the Critical Thinking Essay assignment, as instructed below.

### **Health History and Medical Information**

#### *Health History*

Mrs. J. is a 63-year-old married woman who has a history of hypertension, chronic heart failure, and chronic obstructive pulmonary disease (COPD). Despite requiring 2L of oxygen/nasal cannula at home during activity, she continues to smoke two packs of cigarettes a day and has done so for 40 years. Three days ago, she had sudden onset of flu-like symptoms including fever, productive cough, nausea, and malaise. Over the past 3 days, she has been unable to perform ADLs and has required assistance in walking short distances. She has not taken her antihypertensive medications or medications to control her heart failure for 3 days. Today, she has been admitted to the hospital ICU with acute decompensated heart failure and acute exacerbation of COPD.

### *Subjective Data*

1. Is very anxious and asks whether she is going to die.
2. Denies pain but says she feels like she cannot get enough air.
3. Says her heart feels like it is "running away."
4. Reports that she is exhausted and cannot eat or drink by herself.

### *Objective Data*

1. Height 175 cm; Weight 95.5kg.
2. Vital signs: T 37.6C, HR 118 and irregular, RR 34, BP 90/58.
3. Cardiovascular: Distant S1, S2, S3 present; PMI at sixth ICS and faint: all peripheral pulses are 1+; bilateral jugular vein distention; initial cardiac monitoring indicates a ventricular rate of 132 and atrial fibrillation.
4. Respiratory: Pulmonary crackles; decreased breath sounds right lower lobe; coughing frothy blood-tinged sputum; SpO2 82%.
5. Gastrointestinal: BS present: hepatomegaly 4cm below costal margin.

### *Intervention*

The following medications administered through drug therapy control her symptoms:

1. IV furosemide (Lasix)
2. Enalapril (Vasotec)
3. Metoprolol (Lopressor)
4. IV morphine sulphate (Morphine)
5. Inhaled short-acting bronchodilator (ProAir HFA)
6. Inhaled corticosteroid (Flovent HFA)
7. Oxygen delivered at 2L/ NC

### **Critical Thinking Essay**

In 750-1,000 words, critically evaluate Mrs. J.'s situation. Include the following:

1. Describe the subjective and objective clinical manifestations present in Mrs. J.
2. Describe four cardiovascular conditions in which Mrs. J is at risk, and that may lead to heart failure. What can be done in the form of medical/nursing interventions to prevent the development of heart failure in each of the presented conditions?
3. By following the nursing process, were the interventions at the time of admissions beneficial for Mrs. J? Would you change any of the interventions to ensure patient independence and prevent readmission?
4. Explain each of the seven medications listed in the scenario above. Include the classification, the action, and the rationale for each of these. Discuss four nursing interventions that can help prevent problems caused by multiple drug interactions in older patients. Provide a rationale for each of the interventions you recommend.
5. Provide a health promotion and restoration teaching plan for Mrs. J., including multidisciplinary resources for rehabilitation and any modifications that may be needed, including maintenance of medications. Explain how the rehabilitation resources and modifications will assist the patients' transition to independence and prevent readmission.
6. Considering Mrs. J.'s current and long-term tobacco use, discuss what options for smoking cessation should be offered. Outline COPD triggers that can increase exacerbation frequency, resulting in return visits.

You are required to cite a minimum of three sources to complete this assignment. Sources must be published within the last 5 years and appropriate for the assignment criteria and relevant to nursing practice.

Prepare this assignment according to the guidelines found in the APA Style Guide, located in the Student Success Center.

This assignment uses a rubric. Please review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.

You are required to submit this assignment to LopesWrite. A link to the LopesWrite technical support articles is located in Class Resources if you need assistance.

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## Topic 1 Participation

Start Date & Time	Due Date & Time	Points
Aug 14, 2023, 12:00 AM	Aug 20, 2023, 11:59 PM	32

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## Topic 2: Neurological, Perceptual, and Cognitive Complexities

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Objectives:

1. Evaluate functions of the neurological, perceptual, and cognitive systems based on findings.
2. Propose an intervention for a patient with a cognitive complexity.

Aug 21, 2023 - Aug 27, 2023    Max Points: 173

## Resources

### Optional- Disentangling Heterogeneity in Alzheimer's Disease and Related Dementias Using Data-Driven Methods

For additional information, the following is recommended:

"Disentangling Heterogeneity in Alzheimer's Disease and Related Dementias Using Data-Driven Methods," by Habes, Grothe, Tunc, McMillan, Wolk, and davatzikos, from *Biological Psychiatry* (2020).

<https://www-sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S0006322320300500>

### This Is Not Only About Memory: A Systematic Review on Neuropsychology Heterogeneity in Alzheimer's Disease

Read "This Is Not Only About Memory: A Systematic Review on Neuropsychology Heterogeneity in Alzheimer's Disease," by Martorelli, Sudo, and Charchat-Fichman, from *Psychology and Neuroscience* (2019).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2018-47217-001&site=eds-live&scope=site>

### Long-Term Effects on Survival After a 1-Year Multifactorial Vascular Risk Factor Intervention After Stroke or TIA: Secondary Analysis of a Randomized Controlled Trial, a 7-Year Follow-Up

## Study

Read "Long-Term Effects on Survival After a 1-Year Multifactorial Vascular Risk Factor Intervention After Stroke or TIA: Secondary Analysis of a Randomized Controlled Trial, a 7-Year Follow-Up Study," by Hagberg et al., from *Vascular Health and Risk Management* (2019).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=135138889&site=eds-live&scope=site>

## Cost-Effectiveness of Emergent MRI During Stroke Alert to Diagnose Stroke Mimics: Single-Center Experience

Read "Cost-Effectiveness of Emergent MRI During Stroke Alert to Diagnose Stroke Mimics: Single-Center Experience," by Kapoor, Sharma, Iser, Chaudhari, Nalleballe, Brown, Veerapaneni, Sheng, Elkhider, Veerapaneni, Onteddu, and Sidorov, from *Journal of Neurosciences in Rural Practice* (2021).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=148381741&site=ehost-live&scope=site&custid=s8333196&groupid=main&profile=ehost>

## This Is Our Life Now. Our New Normal: A Qualitative Study of the Unmet Needs of Carers of Stroke Survivors

Read "'This Is Our Life Now. Our New Normal': A Qualitative Study of the Unmet Needs of Carers of Stroke Survivors," by Denham et al., from *PLOS ONE* (2019).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=136283333&site=eds-live&scope=site>

## Pathophysiology: Clinical Applications for Client Health

Read Chapter 2 in *Pathophysiology: Clinical Applications for Client Health*.

## Optional- Suicidal Ideation and Traumatic Exposure Should Not Be Neglected in Epileptic Patients: A Multidimensional Comparison of the Psychiatric Profile of Patients Suffering From Epilepsy and Patients Suffering From Psychogenic Nonepileptic Seizures

For additional information, the following is recommended:

"Suicidal Ideation and Traumatic Exposure Should Not Be Neglected in Epileptic Patients: A Multidimensional Comparison of the Psychiatric Profile of Patients Suffering From Epilepsy and Patients Suffering From Psychogenic Nonepileptic Seizures," by Guillen et al., from *Frontiers in Psychiatry* (2019).

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6509224/>

## Couples Coping in the Community After the Stroke of a Spouse: A Scoping Review

Read "Couples Coping in the Community After the Stroke of a Spouse: A Scoping Review," by Ramazanu, Alie, and Vico Chung, from *Nursing Open* (2020).

<https://lopes.idm.oclc.org/login?url=https://www-proquest-com.lopes.idm.oclc.org/scholarly-journals/couples-coping-community-after-stroke-spouse/docview/2355820530/se-2>

### Assessments

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#### Topic 2 DQ 1

Start Date & Time	Due Date & Time	Points
Aug 21, 2023, 12:00 AM	Aug 23, 2023, 11:59 PM	8

##### Assessment Description

Identify a common perceptual, neurological, or cognitive issue and discuss contributing factors. Outline steps for prevention or health promotion for the patient and family.

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#### Topic 2 DQ 2

Start Date & Time	Due Date & Time	Points
Aug 21, 2023, 12:00 AM	Aug 25, 2023, 11:59 PM	8

##### Assessment Description

Discuss characteristic findings for a stroke and how it affects the lives of patients and their families. Discuss the nurse's role in supporting the patient's psychological, emotional, and spiritual needs. Provide an example integrating concepts from the "Statement on the Integration of Faith and Work" located in Class Resources.

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#### CLC - Evidence-Based Practice Project: Intervention Presentation on Diabetes Part 1

Start Date & Time	Due Date & Time	Points
Aug 21, 2023, 12:00 AM	Aug 27, 2023, 11:59 PM	5

##### Assessment Traits

 Group

##### Assessment Description

This is a Collaborative Learning Community (CLC) assignment.

As a group, identify a research or evidence-based article published within the last 5 years that focuses comprehensively on a specific intervention or new treatment tool for the management of diabetes in adults or children. The article must be relevant to nursing practice.

Submit a reference and a working link to the article as a word document.

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## Case Study: Mr. M.

Start Date & Time	Due Date & Time	Points
Aug 21, 2023, 12:00 AM	Aug 27, 2023, 11:59 PM	120

### Assessment Traits

 Requires LopesWrite

### Assessment Description

It is necessary for an RN-BSN-prepared nurse to demonstrate an enhanced understanding of the pathophysiological processes of disease, the clinical manifestations and treatment protocols, and how they affect clients across the life span.

Evaluate the Health History and Medical Information for Mr. M., presented below.

Based on this information, formulate a conclusion based on your evaluation, and complete the Critical Thinking Essay assignment, as instructed below.

## Health History and Medical Information

### Health History

Mr. M., a 70-year-old male, has been living at the assisted living facility where you work. He has no known allergies. He is a nonsmoker and does not use alcohol. Limited physical activity related to difficulty ambulating and unsteady gait. Medical history includes hypertension controlled with ACE inhibitors, hypercholesterolemia, status post appendectomy, and tibial fracture status postsurgical repair with no obvious signs of complications. Current medications include Lisinopril 20mg daily, Lipitor 40mg daily, Ambien 10mg PRN, Xanax 0.5 mg PRN, and ibuprofen 400mg PRN.

### Case Scenario

Over the past 2 months, Mr. M. seems to be deteriorating quickly. He is having trouble recalling the names of his family members, remembering his room number, and even repeating what he has just read. He is becoming agitated and aggressive quickly. He appears to be afraid and fearful when he gets aggressive. He has been found wandering at night and will frequently become lost, needing help to get back to his room. Mr. M has become dependent with many ADLs, whereas a few months ago he was fully able to dress, bathe, and feed himself. The assisted living facility is concerned with his rapid decline and has decided to order testing.

### Objective Data

1. Temperature: 37.1 degrees C
2. BP 123/78 HR 93 RR 22 Pox 99%
3. Denies pain
4. Height: 69.5 inches; Weight 87 kg

### Laboratory Results

1. WBC: 19.2 (1,000/uL)
2. Lymphocytes 6700 (cells/uL)
3. CT Head shows no changes since previous scan
4. Urinalysis positive for moderate amount of leukocytes and cloudy
5. Protein: 7.1 g/dL; AST: 32 U/L; ALT 29 U/L

### Critical Thinking Essay

In 750-1,000 words, critically evaluate Mr. M.'s situation. Include the following:

1. Describe the subjective and objective clinical manifestations present in Mr. M.
2. Based on the information presented in the case scenario, state what primary and secondary medical diagnoses should be considered for Mr. M. Formulate a nursing diagnosis from the medical diagnosis and explain why these should be considered and what data is provided for support.
3. What abnormalities would you expect to find and why when performing your nursing assessment using the identified primary and secondary medical diagnoses.
4. Describe the physical, psychological, and emotional effects Mr. M.'s current health status may have on him. Discuss the impact it can have on his family.
5. Discuss what interventions can be put into place to support Mr. M. and his family.
6. Given Mr. M.'s current condition, discuss at least four actual or potential problems he faces. Provide a rationale for each.

You are required to cite a minimum of three sources to complete this assignment. Sources must be published within the last 5 years and appropriate for the assignment criteria and relevant to nursing practice.

Prepare this assignment according to the guidelines found in the APA Style Guide, located in the Student Success Center.

This assignment uses a rubric. Please review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.

You are required to submit this assignment to LopesWrite. A link to the LopesWrite technical support articles is located in Class Resources if you need assistance.

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### Topic 2 Participation

Start Date & Time	Due Date & Time	Points
Aug 21, 2023, 12:00 AM	Aug 27, 2023, 11:59 PM	32

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### Topic 3: Elimination Complexities

Objectives:

1. Evaluate functions of systems related to elimination.
2. Explain the nurse's role of supporting the patient's psychological and emotional needs.
3. Recommend resources to assist in patient recovery.

## Resources

### Acute Kidney Failure

Read "Acute Kidney Failure," located on the Mayo Clinic website.

<https://www.mayoclinic.org/diseases-conditions/kidney-failure/symptoms-causes/syc-20369048>

### Optional- Variceal Bleeding in Alcoholic Liver Cirrhosis – A Short Review

For additional information, the following is recommended:

"Variceal Bleeding in Alcoholic Liver Cirrhosis – A Short Review," by Sanjeevi, Rizwan, and Subhashini, from *Drug Intervention Today* (2019).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=135073058&site=eds-live&scope=site>

### Optional- Changes in Glomerular Filtration Rate and Outcomes in Patients With Atrial Fibrillation

For additional information, the following is recommended:

"Changes in Glomerular Filtration Rate and Outcomes in Patients With Atrial Fibrillation," by Frauchier et al., from *American Heart Journal* (2018).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S0002870317304052>

### Optional- Recurrent Acute Pancreatitis During a Ketogenic Diet—A Case Report and Literature Review

For additional information, the following is recommended:

"Recurrent Acute Pancreatitis During a Ketogenic Diet—A Case Report and Literature Review," by Choi, Young, and Chartier, from *International Journal of Emergency Medicine* (2021).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=152462962&site=ehost-live&scope=site>

### Pathophysiology: Clinical Applications for Client Health

Read Chapter 3 in *Pathophysiology: Clinical Applications for Client Health*. **Note: Table 3.4 is incorrect, and should say low protein diet instead of high protein diet.**

## **Optional- Screening and Management of Hepatitis C: Use Education to Dispel the Myths About the Disease and Increase Screening and Treatment**

For additional information, the following is recommended:

"Screening and Management of **Hepatitis C**: Use Education to Dispel the Myths About the Disease and Increase Screening and Treatment," by Pilger and Costanzo, from *American Nurse Today* (2018).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=131761864&site=eds-live&scope=site>

## **Estimated Glomerular Filtration Rate Decline and Risk of End-Stage Renal Disease in Type 2 Diabetes**

Read "Estimated Glomerular Filtration Rate Decline and Risk of End-Stage Renal Disease in Type 2 Diabetes," by Megumi et al., from *PLOS ONE* (2018).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=131037700&site=eds-live&scope=site>

## **Optional- Management of Hypertriglyceridemia Induced Acute Pancreatitis**

For additional information, the following is recommended:

"Management of Hypertriglyceridemia Induced Acute Pancreatitis," by Garg and Rustagi, from *BioMed Research International* (2018).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=130921988&site=eds-live&scope=site>

## **Optional- Using Learning Science to Optimize Chronic Kidney Disease Education for Patients and Providers**

For additional information, the following is recommended:

"Using Learning Science to Optimize Chronic Kidney Disease Education for Patients and Providers," by Maddox, Fitzpatrick, and Chmielewski, from *Nephrology Nursing Journal* (2022).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=155481796&site=ehost-live&scope=site&custid=s8333196&groupid=main&profile=ehost>

## **Chronic Kidney Disease (CKD) Symptoms and Causes**

Read "Chronic Kidney Disease (CKD) Symptoms and Causes ," located on the National Kidney Foundation

website (2022).

<https://www.kidney.org/atoz/content/about-chronic-kidney-disease>

### **Optional- Ascites: A Common Problem in People With Cirrhosis**

For additional information, the following is recommended:

"Ascites: A Common Problem in People With Cirrhosis," by Chalasani (2013), located on the American College of Gastroenterology website.

<https://gi.org/topics/ascites/>

### **Nephrotoxicity of Iodinated Contrast Media: From Pathophysiology to Prevention Strategies**

Read "Nephrotoxicity of Iodinated Contrast Media: From Pathophysiology to Prevention Strategies," by Faucon, Bobrie, and Clement, from *European Journal of Radiology* (2019).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S0720048X19300993>

### **Optional- Pathophysiological, Molecular and Therapeutic Issues of Nonalcoholic Fatty Liver Disease: An Overview**

For additional information, the following is recommended:

"Pathophysiological, Molecular and Therapeutic Issues of Nonalcoholic Fatty Liver Disease: An Overview," by Marchisello et al., from *International Journal of Molecular Sciences* (2019).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=edsdoj&AN=edsdoj.77dea836b8444414af8c314454c86ceb&site=eds-live&scope=site>

### **Optional- Social Determinants of Health: Understanding the Basics and Their Impact on Chronic Kidney Disease**

For additional information, the following is recommended:

"Social Determinants of Health: Understanding the Basics and Their Impact on Chronic Kidney Disease," by Brown and Elliott, from *Nephrology Nursing Journal* (2021).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=149941863&site=ehost-live&scope=site&custid=s8333196&groupid=main&profile=ehost>

### **Kidney Failure (Symptoms, Signs, Stages, Causes, Treatment, and Life Expectancy)**

Read "Kidney Failure (Symptoms, Signs, Stages, Causes, Treatment, and Life Expectancy)," by Wedro, located

on the MedicineNet website.

[https://www.medicinenet.com/kidney\\_failure/article.htm](https://www.medicinenet.com/kidney_failure/article.htm)

## Assessments

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### Topic 3 DQ 1

Start Date & Time	Due Date & Time	Points
Aug 28, 2023, 12:00 AM	Aug 30, 2023, 11:59 PM	8

#### Assessment Description

Discuss how elimination complexities can affect the lives of patients and their families. Discuss the nurse's role in supporting the patient's psychological, emotional, and spiritual needs. Provide an example integrating concepts from the "Statement on the Integration of Faith and Work" located in Class Resources.

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### Topic 3 DQ 2

Start Date & Time	Due Date & Time	Points
Aug 28, 2023, 12:00 AM	Sep 1, 2023, 11:59 PM	8

#### Assessment Description

Discuss how functional health patterns help a nurse understand the current and past state of health for a patient. Using a condition or disease associated with an elimination complexity, provide an example. Include the possible pathophysiological causes of the condition or disease.

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### Case Study: Mr. C.

Start Date & Time	Due Date & Time	Points
Aug 28, 2023, 12:00 AM	Sep 3, 2023, 11:59 PM	120

#### Assessment Traits

 Requires LopesWrite

#### Assessment Description

It is necessary for an RN-BSN-prepared nurse to demonstrate an enhanced understanding of the pathophysiological processes of disease, the clinical manifestations and treatment protocols, and how they affect clients across the life span.

Evaluate the Health History and Medical Information for Mr. C., presented below.

Based on this information, formulate a conclusion based on your evaluation, and complete the Critical Thinking Essay assignment, as instructed below.

### ***Health History and Medical Information***

#### ***Health History***

Mr. C., a 32-year-old single male, is seeking information at the outpatient center regarding possible bariatric surgery for his obesity. He currently works at a catalog telephone center. He reports that he has always been heavy, even as a small child, gaining approximately 100 pounds in the last 2-3 years. Previous medical evaluations have not indicated any metabolic diseases, but he says he has sleep apnea and high blood pressure, which he tries to control by restricting dietary sodium. Mr. C. reports increasing shortness of breath with activity, swollen ankles, and pruritus over the last 6 months.

#### ***Objective Data:***

1. Height: 68 inches; weight 134.5 kg
2. BP: 172/98, HR 88, RR 26
3. 3+ pitting edema bilateral feet and ankles
4. Fasting blood glucose: 146 mg/dL
5. Total cholesterol: 250 mg/dL
6. Triglycerides: 312 mg/dL
7. HDL: 30 mg/dL
8. Serum creatinine 1.8 mg/dL
9. BUN 32 mg/dl

### ***Critical Thinking Essay***

In 750-1,000 words, critically evaluate Mr. C.'s potential diagnosis and intervention(s). Include the following:

1. Describe the subjective and objective clinical manifestations present in Mr. C.
2. Describe the potential health risks for obesity that are of concern for Mr. C. Explain whether bariatric surgery is an appropriate intervention.
3. Assess each of Mr. C.'s functional health patterns using the information given. Discuss at least five actual or potential problems you can identify from the functional health patterns and provide the rationale for each. (Functional health patterns include health-perception, health-management, nutritional, metabolic, elimination, activity-exercise, sleep-rest, cognitive-perceptual, self-perception/self-concept, role-relationship, sexuality/reproductive, coping-stress tolerance.)
4. Explain the stages of renal disease that leads to end-stage renal disease (ESRD). What factors contributed to Mr. C's ESRD?
5. Consider ESRD prevention and health promotion opportunities. Describe what type of patient education for ESRD should be provided to Mr. C. for prevention of future events, health restoration, and avoidance of deterioration of renal status.
6. Explain the type of resources available for ESRD patients for nonacute care and the type of multidisciplinary approach that would be beneficial for these patients. Include aspects such as devices, transportation, living conditions, return-to-employment issues.

You are required to cite a minimum of three sources to complete this assignment. Sources must be published within the last 5 years and appropriate for the assignment criteria and relevant to nursing practice.

Prepare this assignment according to the guidelines found in the APA Style Guide, located in the Student Success Center.

This assignment uses a rubric. Please review the rubric prior to beginning the assignment to become familiar

with the expectations for successful completion.

You are required to submit this assignment to LopesWrite. A link to the LopesWrite technical support articles is located in Class Resources if you need assistance.

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### Topic 3 Participation

Start Date & Time	Due Date & Time	Points
Aug 28, 2023, 12:00 AM	Sep 3, 2023, 11:59 PM	32

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### Topic 4: Cellular and Immunological Complexities

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Objectives:

1. Discuss characteristic findings for a cellular complexity.
2. Discuss characteristic findings for an immunological complexity.
3. Explain how the nursing process is utilized to provide safe and effective care for patients across the life span.

Sep 4, 2023 - Sep 10, 2023    Max Points: 298

### Resources

#### Optional- Emergency Department Sepsis Huddles: Achieving Excellence for Sepsis Benchmarks in New York State

For additional information, the following is recommended:

"Emergency Department Sepsis Huddles: Achieving Excellence for Sepsis Benchmarks in New York State," by Walsh, Gekle, Bramante, Decena, Raio, and Levy, from *The American Journal of Emergency Medicine* (2020).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S0735675719300853>

#### Management and Outcomes of Patients Presenting With Sepsis and Septic Shock to the Emergency Department During Nursing Handover: A Retrospective Cohort Study

Read "Management and Outcomes of Patients Presenting With Sepsis and Septic Shock to the Emergency Department During Nursing Handover: A Retrospective Cohort Study," by Alsolamy et al., from *BMC Emergency Medicine* (2018).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=edsdoj&AN=edsdoj.63611796f95f49b4ae5d6e0401846788&site=eds-live&scope=site>

## **Optional- Genetic and Immune Determinants of Immune Activation in HIV-Exposed Seronegative Individuals and Their Role in Protection Against HIV Infection**

For additional information, the following is recommended:

"Genetic and Immune Determinants of Immune Activation in HIV-Exposed Seronegative Individuals and Their Role in Protection Against HIV Infection," by Fenizia, Rossignol, Clerici, and Biasin, from, *Infection, Genetics and Evolution* (2018).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S1567134817304392>

## **Pathophysiology: Clinical Applications for Client Health**

Read Chapter 4 in *Pathophysiology: Clinical Applications for Client Health*.

## **Breast Health Services**

Explore the Breast Health Services page of the Johns Hopkins Medicine website.

<https://www.hopkinsmedicine.org/breast-health-services/index.html#treatment>

## **Epstein-Barr Virus Incidental Expression in Bone Marrow Cells: A Study of 230 Consecutive Bone Marrow Biopsy Samples**

Read "Epstein-Barr Virus Incidental Expression in Bone Marrow Cells: A Study of 230 Consecutive Bone Marrow Biopsy Samples," by Farrell et al., from *Human Pathology* (2019).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S0046817719300541>

## **Idiopathic Anaphylaxis: What You Do Not Know May Hurt You**

Read "Idiopathic Anaphylaxis: What You Do Not Know May Hurt You," by Chan and John, from *Journal of the American Association of Nurse Practitioners* (2020).

<https://lopes.idm.oclc.org/login?url=http://ovidsp.ovid.com.lopes.idm.oclc.org/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=01741002-202001000-00013&LSLINK=80&D=ovft>

## **Optional- A Descriptive, Cross-Sectional Study Examining Treatment Burden in People Living With HIV**

For additional information, the following is recommended:

"A Descriptive, Cross-Sectional Study Examining Treatment Burden in People Living With HIV," by Schreiner,

Perazzo, Currie, Daly, and Webel, from *Applied Nursing Research* (2019).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S0897189718306839>

## **Infectious Diseases**

Explore the multimedia on Infectious Disease page of the Johns Hopkins Medicine website.

<https://www.hopkinsmedicine.org/infectious-diseases/>

## **Antibiotics - Seven Wonders of the Microbe World**

View "Antibiotics - Seven Wonders of the Microbe World," by OpenLearn from the Open University (2011), located on the YouTube website.

<http://www.youtube.com/watch?v=-iE-JbtxB6w>

## **Visualizing Gene-Expression Patterns**

View "Visualizing Gene-Expression Patterns," located on the Howard Hughes Medical Institute (HHMI) website.

<https://www.biointeractive.org/classroom-resources/visualizing-geneexpression-patterns>

## **Biologic Therapies for Cancer**

Read, "Biological Therapies for Cancer," located on the National Cancer Institute website.

<https://www.cancer.gov/about-cancer/treatment/types/immunotherapy/bio-therapies-fact-sheet>

## **Optional- Inflammation and Repair**

Explore the Inflammation and Repair page of the Pathology Guy website.

<http://www.pathguy.com/lectures/inflamma.htm>

## **Basic Genetics**

Explore the Basic Genetics page of the Genetic Science Learning Center/University of Utah website.

<http://learn.genetics.utah.edu/content/basics/>

## **Global Trends in Anaphylaxis Epidemiology and Clinical Implications**

Read "Global Trends in Anaphylaxis Epidemiology and Clinical Implications," by Turner, Campbell, Motosue, and Campbell, from *The Journal of Allergy and Clinical Immunology. In Practice* (2020).

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7152797/>

## American Cancer Society (ACS)

Explore the American Cancer Society (ACS) website.

<https://www.cancer.org/>

## The Immune System

View "The Immune System," located on the Howard Hughes Medical Institute (HHMI) website.

<https://www.biointeractive.org/classroom-resources/immune-system>

## Assessments

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### Topic 4 DQ 1

Start Date & Time	Due Date & Time	Points
Sep 4, 2023, 12:00 AM	Sep 6, 2023, 11:59 PM	8

#### Assessment Description

Discuss characteristic findings of an immune dysfunction. Explain what symptomology the patient would exhibit and how these symptoms may complicate daily living and relationships.

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### Topic 4 DQ 2

Start Date & Time	Due Date & Time	Points
Sep 4, 2023, 12:00 AM	Sep 8, 2023, 11:59 PM	8

#### Assessment Description

Discuss what symptoms are associated with hypersensitivity and anaphylaxis. and how the nurse differentiates these from other conditions or issues. What steps should be taken if the nurse suspects anaphylaxis?

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## Benchmark - Nursing Process: Approach to Care

Start Date & Time	Due Date & Time	Points
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### Assessment Traits

 Requires LopesWrite

 Benchmark

### Assessment Description

The nursing process is a tool that puts knowledge into practice. By utilizing this systematic problem-solving method, nurses can determine the health care needs of an individual and provide personalized care.

Write a paper (1,750-2,000 words) on cancer and approach to care based on the utilization of the nursing process. Include the following in your paper:

1. Describe the different types of diagnostic methods utilized to identify possibility of cancer. Explain the numeric and Tumor, Node, Metastasized (TNM) method of staging of cancer after the confirmed diagnosis.
2. Describe at least three complications of cancer, the side effects of treatment, and methods to lessen physical and psychological effects.
3. Discuss what factors contribute to the yearly incidence and mortality rates of various cancers in Americans.
4. Explain what the American Cancer Society (ACS) might provide for education and support. What ACS services could a nurse recommend for these patients and why?
5. Explain how the nursing process is utilized to provide safe and effective care for cancer patients across the life span. Your explanation should include each of the five phases demonstrating the delivery of holistic and patient-focused care.
6. How does an interdisciplinary research approach (which includes liberal arts, science studies, mathematics, social and physical sciences), build on the foundational nursing knowledge related to cancer research?

You are required to cite a minimum of four sources to complete this assignment. Sources must be published within the last 5 years and appropriate for the assignment criteria and relevant to nursing practice.

Prepare this assignment according to the guidelines found in the APA Style Guide, located in the Student Success Center.

This assignment uses a rubric. Please review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.

You are required to submit this assignment to LopesWrite. A link to the LopesWrite technical support articles is located in Class Resources if you need assistance.

### **Benchmark Information**

*This benchmark assignment assesses the following programmatic competencies:*

*RN-BSN*

*1.1: Incorporate liberal arts and science studies into nursing knowledge.*

*3.1 Utilize the nursing process to provide safe and effective care for patients across the life span.*

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## Topic 4 Participation

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## Topic 5: Musculoskeletal, Metabolism, and Multisystem Complexities

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### Objectives:

1. Describe pathophysiological changes and abnormal findings associated with musculoskeletal, metabolic, and multisystem health dysfunctions.
2. Evaluate a research-based nursing intervention or treatment tool for the management of diabetes.

Sep 11, 2023 - Sep 17, 2023    Max Points: 193

### Resources

#### Diabetes

Explore Diabetes page of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) website.

<https://www.niddk.nih.gov/health-information/diabetes>

#### Prevalence of Musculoskeletal Disorders and Its Correlation to Physical Activity Among Health Specialty Students

Read "Prevalence of Musculoskeletal Disorders and Its Correlation to Physical Activity Among Health Specialty Students," by Hendi et al., from *International Journal of Preventative Medicine* (2019).

<http://www.ijpvmjournal.net/article.asp?issn=2008-7802;year=2019;volume=10;issue=1;spage=48;epage=48;aulast=Hendi>

#### Optional- Masterclass: A Pragmatic Approach to Pain Sensitivity in People With Musculoskeletal Disorders and Implications for Clinical Management for Musculoskeletal Clinicians

For additional information, the following is recommended:

"Masterclass: A Pragmatic Approach to Pain Sensitivity in People With Musculoskeletal Disorders and Implications for Clinical Management for Musculoskeletal Clinicians," by Beales, Mitchell, Moloney, Rabey, Ng, and Rebbeck, from *Musculoskeletal Science and Practice* (2021).

<https://www.sciencedirect-com.lopes.idm.oclc.org/science/article/pii/S2468781220304239>

## **Osteoporosis**

Read "Osteoporosis," located on the National Institute of Aging website.

<https://www.nia.nih.gov/health/osteoporosis>

### **Optional- First-Line Medications for Osteoporosis**

For additional information, the following is recommended:

"First-Line Medications for Osteoporosis," by Felicilda-reynaldo, from *MEDSURG Nursing* (2019).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=ccm&AN=140364658&site=ehost-live&scope=site&custid=s8333196&groupid=main&profile=ehost>

### **Optional- Developing a Web-Based Support Using Self-Affirmation to Motivate Lifestyle Changes in Type 2 Diabetes: A Qualitative Study Assessing Patient Perspectives on Self-Management and Views on a Digital Lifestyle Intervention**

For additional information, the following is recommended:

"Developing a Web-Based Support Using Self-Affirmation to Motivate Lifestyle Changes in Type 2 Diabetes: A Qualitative Study Assessing Patient Perspectives on Self-Management and Views on a Digital Lifestyle Intervention," by Møllergaard, Johnsson, and Eek, from *Science Direct*, located on the Elsevier Internet Interventions website (2021).

<https://www.sciencedirect.com/science/article/pii/S2214782921000245>

### **Optional- About Cystic Fibrosis**

For additional information, the following is recommended:

"About Cystic Fibrosis," located on the Cystic Fibrosis Foundation website.

<https://www.cff.org/What-is-CF/About-Cystic-Fibrosis/>

## **Pathophysiology: Clinical Applications for Client Health**

Read Chapter 5 in *Pathophysiology: Clinical Applications for Client Health*.

### **Optional- Can Metabolic Pathways Be Therapeutic Targets in Rheumatoid Arthritis?**

For additional information, the following is recommended:

"Can Metabolic Pathways Be Therapeutic Targets in Rheumatoid Arthritis?" by Sanchez-Lopez, Cheng, and Guma, from *Journal of Clinical Medicine* (2019).

<https://www.mdpi.com/2077-0383/8/5/753/htm>

### **Optional- The Impact of Telehealth on Self-Management of Patients With Type 2 Diabetes: A Systematic Review on Interventional Studies**

For additional information, the following is recommended:

"The Impact of Telehealth on Self-Management of Patients With Type 2 Diabetes: A Systematic Review on Interventional Studies," by Cahyadi, Agastiya, Kurianto, Akalili, Lukman, and Wicaksana, from *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* (2022).

<https://reader.elsevier.com/reader/sd/pii/S1871402122000996?token=560D44EE1210B396B7A6DC0FA4E65321DED2BA8D7F981B98E30CA1BD8232D67284B50D380026BEF521AA7A979AAF665B&originRegion=us-east-1&originCreation=20220601202508>

### **Managing Diabetic Ketoacidosis**

Read "Managing Diabetic Ketoacidosis," by Jerreat, from *Nursing Standard* (2010).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=edsovi&AN=edsovi.00002311.201004280.00052&site=eds-live&scope=site>

### **Optional- Using Telehealth for Diabetes Self-Management in Underserved Populations**

For additional information, the following is recommended:

"Using Telehealth for Diabetes Self-Management in Underserved Populations," by Ju, from *The Nurse Practitioner* (2020).

<https://lopes.idm.oclc.org/login?url=http://ovidsp.ovid.com/lopes.idm.oclc.org/ovidweb.cgi?T=J&CSC=Y&NEWS=N&PAGE=fulltext&AN=00006205-202011000-00006&LSLINK=80&D=ovft>

### **What Is Diabetes**

Read "What Is Diabetes?" located on the Diabetes Research Institute Foundation website.

<https://www.diabetesresearch.org/what-is-diabetes>

### **Optional- Osteogenesis Imperfecta Type VI**

For additional information, the following is recommended:

"Osteogenesis Imperfecta Type VI," located on the National Center for Advancing Translational Sciences website.

<https://rarediseases.info.nih.gov/diseases/8700/osteogenesis-imperfecta-type-vi>

## **An Integrated Therapy Approach for the Management of Obesity-Associated Disorders: A Case Report**

Read "An Integrated Therapy Approach for the Management of Obesity-Associated Disorders: A Case Report," by Verma, Shete, and Doddoli, from *Journal of Family Medicine and Primary Care* (2019).

[https://journals.lww.com/jfmpc/Fulltext/2019/08040/An\\_integrated\\_therapy\\_approach\\_for\\_the\\_management.39.aspx](https://journals.lww.com/jfmpc/Fulltext/2019/08040/An_integrated_therapy_approach_for_the_management.39.aspx)

## **Osteoporosis Is Neglected**

Read "Osteoporosis Is Neglected," from Osteoporosis and Bone Physiology, located on the University of Washington website.

<http://courses.washington.edu/bonephys/opneglect.html>

## **Optional- WHO Progress Report on HIV, Hepatitis, STIs 2019**

View "WHO Progress Report on HIV, Hepatitis, STIs 2019," by WHO-HIVHEPvideos (2019), located on the YouTube website.

<https://www.youtube.com/watch?v=NpmQ7ZRKQ0o&feature=youtu.be>

## **Reducing Cardiovascular Risk for Patients With Diabetes: An Evidence-Based, Population Health Management Program**

Read "Reducing Cardiovascular Risk for Patients With Diabetes: An Evidence-Based, Population Health Management Program," by Levitz, Jones, Nudelman, Cox, Camacho, Wielunski, Jaffie et al., from *The Journal for Healthcare Quality (JHQ)* (2022).

<https://lopes.idm.oclc.org/login?url=http://ovidsp.ovid.com.lopes.idm.oclc.org/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=01445442-202204000-00006&LSLINK=80&D=ovft>

## **Optional- Common Musculoskeletal Disorders in the Elderly: The Star Triad**

For additional information, the following is recommended:

"Common Musculoskeletal Disorders in the Elderly: The Star Triad," by Minetto, Giannini, McConnell, Busso, Torre, and Massazza, from *Journal of Clinical Medicine* (2020).

## Optional- Depressive Symptoms and Diabetes Management From Late Adolescence to Emerging Adulthood

For additional information, the following is recommended:

"Depressive Symptoms and Diabetes Management From Late Adolescence to Emerging Adulthood," by Baucom, Turner, Tracy, Berg, and Wiebe, from *Health Psychology* (2018).

<https://lopes.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2018-35080-002&site=eds-live&scope=site>

## Assessments

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### Topic 5 DQ 1

Start Date & Time	Due Date & Time	Points
Sep 11, 2023, 12:00 AM	Sep 13, 2023, 11:59 PM	8

#### Assessment Description

Choose one of the following health dysfunctions: musculoskeletal, metabolic, or multisystem. Describe pathophysiological changes, abnormal findings, and symptoms of the chosen health dysfunction. How does it affect the patient's functions?

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### Topic 5 DQ 2

Start Date & Time	Due Date & Time	Points
Sep 11, 2023, 12:00 AM	Sep 15, 2023, 11:59 PM	8

#### Assessment Description

Explain the modifiable and nonmodifiable risk factors for osteoporosis. How can a nurse support the patient to manage the health condition and restore the patient to optimal health?

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### CLC - Evidence-Based Practice Project: Intervention Presentation on Diabetes Part 2

Start Date & Time	Due Date & Time	Points
Sep 11, 2023, 12:00 AM	Sep 17, 2023, 11:59 PM	145

#### Assessment Traits

 Group

 Requires LopesWrite

## Assessment Description

This is a Collaborative Learning Community (CLC) assignment.

As a group, identify a research or evidence-based article published within the last 5 years that focuses comprehensively on a specific intervention or new treatment tool for the management of diabetes in adults or children. The article must be relevant to nursing practice.

Create a 12-15 slide PowerPoint presentation (not including the title page and references) on the study's findings and how they can be used by nurses as an intervention. Include speaker notes for each slide and additional slides for the title page and references.

Include the following:

1. Describe the intervention or treatment tool and the specific patient population used in the article.
2. Summarize the main idea of the research findings for the specific patient population. The research presented must include clinical findings that are current, thorough, and relevant to diabetes and nursing practice.
3. Provide a description of how the treatment tool or intervention can be integrated into nursing practice. Provide evidence to support your discussion. Reflect how the treatment tool or intervention will affect nursing practice and the disease process.
4. Explain why psychological, cultural, and spiritual aspects are important to consider for a patient who has been diagnosed with diabetes. Describe how support can be offered in these respective areas as part of a plan of care for the patient. Provide examples.

You are required to cite a minimum of three sources to complete this assignment. Sources must be published within the last 5 years and appropriate for the assignment criteria and relevant to nursing practice.

While APA style is not required for the body of this assignment, solid academic writing is expected, and documentation of sources should be presented using APA formatting guidelines, which can be found in the APA Style Guide, located in the Student Success Center.

This assignment uses a rubric. Please review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.

You are required to submit this assignment to LopesWrite. A link to the LopesWrite technical support articles is located in Class Resources if you need assistance.

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## Topic 5 Participation

Start Date & Time	Due Date & Time	Points
Sep 11, 2023, 12:00 AM	Sep 17, 2023, 11:59 PM	32