

ACTIVE LEARNING TEMPLATE: **Diagnostic Procedure**

STUDENT NAME GOZI OKAFOR

PROCEDURE NAME Electrocardiogram (ECG/EKG)

REVIEW MODULE CHAPTER _____

Description of Procedure

- records the electrical activity of the heart over time

Indications

- detect dysrhythmias

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

- remove hair for better application
- monitor chest pain, decreased LOC, SOB, hypoxia
- monitor for dysrhythmias

Interpretation of Findings

- normal sinus rhythm
- sinus bradycardia
- sinus tachycardia

Client Education

- remain still
- check pulse

Potential Complications

- decreased cardiac output
- heart failure
- cardioversion

Nursing Interventions

- monitor hypotension, syncope, tachycardia
- medications to increase output and decrease workload
- monitor for dyspnea, productive cough, edema, and venous distention

ACTIVE LEARNING TEMPLATE: **Diagnostic Procedure**

STUDENT NAME GOZEL OKAFOR

PROCEDURE NAME Chest X-Ray (CXR)

REVIEW MODULE CHAPTER _____

Description of Procedure

- radiographs of body structures

Indications

- Visualize heart chambers, arteries, and vessels
- evaluate pulmonary and cardiac systems; abdominal organs; bone disorders
- detect cancer, infection or air

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

- Explain procedure
- monitor vital signs
- watch for labs to return normal

Interpretation of Findings

- No broken bones
- organs normal shapes and sizes

Client Education

- remove all jewelry
- remain still
- could be NPO

Potential Complications

- allergy to iodinated dye
- vomiting
- fainting

Nursing Interventions

- ensure comfortability
- explain procedure
- monitor vital signs

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME GOZI OKAFOR

MEDICATION Nitroglycerin

REVIEW MODULE CHAPTER _____

CATEGORY CLASS Vasodilators

PURPOSE OF MEDICATION

Expected Pharmacological Action

- increases coronary blood flow
- Produces vasodilation
- reduces myocardial oxygen consumption

Therapeutic Use

- antianginals, treat acute angina pectoris

Complications

- severe headache
- hypotension, syncope
- nausea, vomiting

Medication Administration

- Sublingual tablet
- transdermal patch

Contraindications/Precautions

- liver impairment
- anemia
- alcohol intolerance

Nursing Interventions

- monitor BP and HR
- assess pain

Interactions

- antihypertensives
- betablockers
- calcium channel blockers

Client Education

- take medication as instructed
- avoid use of alcohol
- common side effect is headache

Evaluation of Medication Effectiveness

- decrease of anginal attack
- increase in activity tolerance

ACTIVE LEARNING TEMPLATE: **Nursing Skill**

STUDENT NAME GDZL OKAFOR

SKILL NAME Intravenous (IV) Line Insertion

REVIEW MODULE CHAPTER _____

Description of Skill

- used to provide fluid, to correct electrolyte disturbances

Indications

- fluid imbalance
- electrolyte imbalance
- medications

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

- educate on purpose of IV
- secure catheter and flush
- maintain patency of IV

Outcomes/Evaluation

- minimal discomfort
- smooth infusion

Client Education

- purpose of IV
- signs and symptoms to report

Potential Complications

- infiltration
- infection
- fluid overload

Nursing Interventions

- change IV dressing
- verify rate of infusion

System Disorder

STUDENT NAME GOZI OKAFORDISORDER/DISEASE PROCESS Myocardial Infarction (MI)

REVIEW MODULE CHAPTER _____

Alterations in Health (Diagnosis)

- Chest pain
- SOB
- headache

Pathophysiology Related to Client Problem

- no oxygen to the heart muscle

Health Promotion and Disease Prevention

- Smoking cessation
- physical activity
- low sodium diet

ASSESSMENT

Risk Factors

- sedentary lifestyle
- smoking
- obesity

Expected Findings

- chest pain
- cool, clammy skin
- SOB

SAFETY CONSIDERATIONS

- monitor BP
- low salt intake
- take medication as directed

Laboratory Tests

- troponin
- cardiac enzymes

Diagnostic Procedures

- EKG
- Chest x-ray

PATIENT-CENTERED CARE

Nursing Care

- monitor vital signs
- administer Oxygen
- obtain IV access

Medications

- vasodilators
- betablockers
- anticoagulants

Client Education

- avoid strenuous activity
- smoking cessation
- physical activity

Therapeutic Procedures

- Stenting
- angioplasty
- bypass surgery

Interprofessional Care

- cardiac rehabilitation
- dietitian

Complications

- heart failure

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME GOZI OKAFOR

MEDICATION Morphine Sulfate

REVIEW MODULE CHAPTER _____

CATEGORY CLASS Opioid Agonist

PURPOSE OF MEDICATION

Expected Pharmacological Action

- alters perception of painful stimuli
- binds to opiate receptors

Therapeutic Use

- decreases severity of pain

Complications

- toxicity
- abdominal pain
- mental or mood changes

Medication Administration

- tablets
- IV injection
- IM injection

Contraindications/Precautions

- Hx of substance abuse
- pulmonary disease

Nursing Interventions

- assess LOC
- monitor BP, HR, RR

Interactions

- CNS depressants
- SSRIs
- SNRIs

Client Education

- take with food or milk
- avoid alcohol
- can lead to abuse, addiction, and misuse

Evaluation of Medication Effectiveness

- decrease in pain

Therapeutic Procedure

STUDENT NAME GOZI OKAFORPROCEDURE NAME Cardiac Catheterization

REVIEW MODULE CHAPTER _____

Description of Procedure

- evaluates presence and degree of coronary artery blockage

Indications

- EKG changes
- detect coronary artery disease

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

- maintain NPO
- monitor vital signs
- monitor urine output

Outcomes/Evaluation

- blocked or narrowed blood vessels

Client Education

- Report signs and symptoms of chest pain, SOB, color and temperature
- No strenuous activity
- monitor for bleeding at site

Potential Complications

- embolism
- infection
- bleeding

Nursing Interventions

- monitor vital signs, O₂ saturation
- promote adequate hydration
- Assess EKG patterns