

ACTIVE LEARNING TEMPLATE: **Nursing Skill**

STUDENT NAME Kaitlyn Z

SKILL NAME Intravenous (IV) Line Insertion

REVIEW MODULE CHAPTER _____

Description of Skill
inserting a needle in the veins to administer fluids directly into a vein, → into bloodstream.

Indications
You can start a IV for meds, fluids, electrolytes, or nutrients

CONSIDERATIONS
Nursing Interventions (pre, intra, post)
Pre - gather supplies
Provider orders
intra - tourniquet application, site location,
Post - document, maintain patency of IV access

Outcomes/Evaluation
Precise amounts, less discomfort after initial insertion.
Rapid effects.

Client Education
Place the client in a comfortable position. Tell patient not to mess with flow rate and lie on tubing.

Potential Complications
- Hematoma
- Catheter embolus
- Phlebitis
- Fluid overload

Nursing Interventions
- Wipe all ports before using
- hand hygiene
- Use caps

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Kaitlyn L

MEDICATION Morphine Sulfate

CATEGORY CLASS _____

REVIEW MODULE CHAPTER _____

PURPOSE OF MEDICATION

Expected Pharmacological Action

Morphine binds w/ & activates opioid receptors in the brain & spinal cord to produce analgesia.

Therapeutic Use

Relieve pain (severe)

Complications

- HTN
- Confusion
- delirium
- anxiety
- agitation
- chills
- amnesia
- coma

Medication Administration

IV - 0.2-10 mg/hr
increase as needed
PO - 5-30mg every 4-5 hr

Contraindications/Precautions

- seizures
- heart failure
- severe bronchial spasms

Nursing Interventions

- monitor for excessive sedation
- ensure you have opioid reversal

Interactions

- antihypertensive drug → ↑ hypotension
Risk of orthostatic hypotension

Client Education

- side effects of morphine

Evaluation of Medication Effectiveness

When titrating 25-50% should be administered until there is 50% reduction in the patient's pain.

Therapeutic Procedure

STUDENT NAME Kaitlyn JPROCEDURE NAME Cardiac Catheterization

REVIEW MODULE CHAPTER _____

Description of Procedure

long thin catheter is inserted into the femoral or radial artery or vein & gets threaded through the heart.

Indications

- CAD
- Evaluation & treatment of valvular heart disease
- Evaluation of ventricular function

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

- Stop taking meds such as anticoagulant
- do not eat or drink anything prior to procedure

Outcomes/Evaluation

Right heart cath - check pressure & blood flow
 Coronary angiogram - blockage in arteries
 Repair of structural defects in the heart

Client Education

- will be given meds. to relax
- recovery for heart cath.
- Low risk of complications
- most likely will be awake during procedure

Potential Complications

- Bruising
- bleeding
- stroke
- MI
- Kidney damage

Nursing Interventions

- tell patient to take deep breaths. Place arms in certain positions
- if femoral was accessed, bed rest.

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Kaitlyn D

MEDICATION Nitroglycerin

REVIEW MODULE CHAPTER _____

CATEGORY CLASS anticoagulant agent

PURPOSE OF MEDICATION

Expected Pharmacological Action

- decrease oxygen
- prevent/reduce artery spasms

Therapeutic Use

- prophylaxis of chronic stable angina
- treat acute angina attacks

Complications

- orthostatic hypotension
- headache
- reflex tachycardia

Medication Administration

- transdermal patch
- IV
- oral extended release caps
- sublingual tab
- topical ointment

Contraindications/Precautions

- pregnancy risk
- severe anemia
- traumatic head injury
- hypersensitivity to nitrates

Nursing Interventions

- continuous cardiac monitoring
- monitor vital signs
- monitor BP

Interactions

- alc
- antihypertensive meds

Client Education

- Remove patch @ night
- Rotate sites

Evaluation of Medication Effectiveness

- long term management of stable angina
- control of heart failure following acute MI
- prevention/termination of acute anginal attacks

ACTIVE LEARNING TEMPLATE: **Diagnostic Procedure**

STUDENT NAME Kaitly Z
PROCEDURE NAME Chest X-Ray (CXR)

REVIEW MODULE CHAPTER _____

Description of Procedure

Imaging test that uses x-ray to look at structures & organs in your chest.

Indications

- monitor progressions/resolutions of a disease
- evaluate patient response to therapy
- pneumonia in the lungs

Interpretation of Findings

- opacities in lower lobes
- clarity of right and left hemidiaphragm

Potential Complications

- skin burns
- radiation poisoning

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

- Remove jewelry
- tell pt to hold still
- ask about pregnancy

Client Education

- ensure little movement
- tell pt to inform nurse if they feel worse

Nursing Interventions

- wear proper attire
- proper hand hygiene
- educate patient prior to procedure
- monitor vitals

System Disorder

STUDENT NAME

Kaitlyn L

DISORDER/DISEASE PROCESS

Myocardial Infarction (MI)

REVIEW MODULE CHAPTER

Alterations in Health (Diagnosis)

Steady substernal pain, radiates: neck, back, jaw

Pathophysiology Related to Client Problem

Process where areas of the heart that lack oxygen die. Onset: Sudden or gradual

Health Promotion and Disease Prevention

Life changes including diet and exercise

ASSESSMENT

Risk Factors

*Men > 50 and women > 55
Tobacco, HTN, diabetes*

Expected Findings

*Diaphoresis, Hyper/hypotension
Severe anxiety, dyspnea*

SAFETY CONSIDERATIONS

- observe for adverse effects
- NO strenuous physical activity

Laboratory Tests

CRP and lipoprotein, WBC, Creatinine protein

Diagnostic Procedures

ECG changes, Location of pain, onset and duration

PATIENT-CENTERED CARE

Nursing Care

Need for frequent assessment to pt & family

Medications

- ACE inhibitors*
- beta-blocker*
- heparin*
- Aspirin*

Client Education

- explain what MI is

Therapeutic Procedures

Percutaneous coronary intervention

Interprofessional Care

Cardiologist consult

Complications

- *Dysrhythmias*
- *heart failure*
- *infarct expansions*
- *sudden cardiac death*

ACTIVE LEARNING TEMPLATE: **Diagnostic Procedure**

STUDENT NAME Kaitlyn L
PROCEDURE NAME Electrocardiogram (ECG/EKG)

REVIEW MODULE CHAPTER _____

Description of Procedure

Recording of the heart's electrical activity through repeated cardiac cycles.

Indications

- fam history
- CAD
- previous MI

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

- Pre - Shave, inform pt
- intra - attach electrodes, double check
- Post - change out of gown, remove stickers.

Interpretation of Findings

- evidence of previous MI
- enlargement chambers or wall of heart
- find arrhythmias

Client Education

- educate on ECG
- tell pt to inform on any meds they take

Potential Complications

- electrode placement
- failed reading ECG

Nursing Interventions

- Shave
- pt lie still
- inform of procedure