

N311 Care Plan #4  
Lakeview College of Nursing  
Jenna Helton

**Demographics (5 points)**

<b>Date of Admission</b> 4/9/2020	<b>Patient Initials</b> R.D.	<b>Age</b> 54	<b>Gender</b> Male
<b>Race/Ethnicity</b> African American	<b>Occupation</b> Working	<b>Marital Status</b> Married	<b>Allergies</b> Penicillin, Peanuts, Sulfa, Contrast Dye and Shellfish
<b>Code Status</b> Full Code	<b>Height</b> 5'6"	<b>Weight</b> 110 kg	

**Medical History (5 Points)**

**Past Medical History:** Hypertension, Coronary Artery Disease, and Asthma

**Past Surgical History:** N/A

**Family History:** N/A

**Social History (tobacco/alcohol/drugs):** Stopped smoking about a month ago, no use of alcohol, and no use of recreational drugs.

**Admission Assessment**

**Chief Complaint (2 points):** Chest tightness with complaints of not feeling well

**History of present Illness (10 points):** A pleasant fifty-four year old male came to the hospital via ambulance with complaints of chest pain. He states that the pain is in his chest. The patient says that the pain is constant and isn't intermittent. He says the pain feels like it's squeezing and it's hard to breathe. He also states that he feels dizzy and sick. The patient states his pain is an eight out of ten. The factors that makes his pain worse are doing any kind of activity. The only things that makes his pain any better is lying down and medications.

**Primary Diagnosis**

**Primary Diagnosis on Admission (3 points):** MI complications

**Secondary Diagnosis (if applicable):** Coronary Artery Disease

**Pathophysiology of the Disease, APA format (20 points):**

An MI is “ACS that occurs when the heart tissue endures prolonged ischemia without recovery.” (Capriotti & Frizzell, pg 352, 2016) Ischemia means there is a period of time where there little to oxygen getting to those cells. After little to no exposure, these cells can die, leaving irreversible damage. (Capriotti & Frizzell, pg 352, 2016) There are two different kinds of MI’s that can be diagnosed. These include STEMI OR NSTEMI, which can be diagnosed through an ECG. With an MI, arteries are usually blocked with atherosclerotic plaque, which limits blood flow through the rest of the arteries and to the myocardium. (Capriotti & Frizzell, pg 352, 2016) There is a possibility for these pieces of plaque to come off the rest of the build-up and block off more blood flow. (Capriotti & Frizzell, pg 352, 2016) There is also a chance where platelets can keep forming at the build-up area and form a clot, in which this is more common with an MI. When someone is experiencing an MI or symptoms similar to it, then they have about sixty minutes to get to the catherization lab. If they don’t, there is a possibility for this to be fatal. Three factors that are important when the determination of an MI include “the location or level of occlusion in the coronary artery, length of time that the coronary artery has been occluded, and the heart’s availability of collateral circulation.” (Capriotti & Frizzell, pg 353, 2016) Knowing these factors will help the doctors know if the heart muscle can make it through the damage. “MI tissue changes are evident within 12 to 24 hours.” (Capriotti & Frizzell, pg 353, 2016)

Common signs and symptoms of MI complications include: diaphoresis, dyspnea, extreme anxiety, Levine’s sign (fist to chest), pallor, retrosternal crushing chest pain that radiates to shoulder, arm, jaw or back, or weak pulses. (Capriotti & Frizzell, pg 354, 2016) Other

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symptoms include: “pressure, tightness, pain or squeezing or aching sensation in your chest or arms that may spread to your neck, jaw or back, nausea, indigestion, heartburn or abdominal pain, cold sweat, fatigue or lightheadedness or sudden dizziness.” (Heart attack- Symptoms and cause, 2018) The patient had dyspnea, showed Levine’s sign, and diaphoresis. He also stated that he was dizzy and felt sick.

There are some diagnostic testing use to confirm an MI and these include and ECG or blood tests. (Heart attack- Diagnosis and treatment, 2018) An ECG measures and records wave lengths of the heart. ECG’s also look at the ST elevation and depression. (Capriotti & Frizzell, pg 354, 2016) This can help indicate if there is any kind of errors within the heart. Blood tests look for specific enzymes like troponin I and CPK-MB. “CPK-MB levels begin to rise within four hours after MI, peak between 18 and 24 hours, and subside over three to four days.” (Capriotti & Frizzell, pg 354, 2016) For troponin I levels, they “rise four to eight hours after onset of chest pains, peak at twelve to sixteen hours, and return to baseline within five to nine days.” (Capriotti & Frizzell, pg 354, 2016) The patient had two ECG’s and had his labs done, which included troponin I levels.

Even though damage cannot be reversible, there are some ways to help treat MI’s. The most important thing to be careful about is to get the blood flow back to the rest of the myocardium. People that think that they are experiencing an MI need to get medical attention right away. If available, the person should take the three doses of nitroglycerin and aspirin. The nitroglycerin will help with the chest pain, and the aspirin is to help thin out the blood so that it doesn’t clot. Oxygen is also needed, because blood is what takes oxygen to the rest of the body, and with the clot, then there isn’t any oxygen being delivered. Thrombolytic agents are used within four hours of the chest pain. (Capriotti & Frizzell, pg 355, 2016) Beta blockers and

unfractionated or low molecular weight heparin can also be used for treatment. If the MI is severe, then they may need an CABG, which is a coronary artery bypass grafting, which helps increase the blood flow to that are of damage and possibly break that barrier. (Capriotti & Frizzell, pg 355, 2016)

**Pathophysiology References (2) (APA):**

Capriotti, T., & Frizzell J.P., (2016). *Pathophysiology: introductory concepts and clinical perspectives*. (1<sup>st</sup> ed.). F.A. Davis Company.

*Heart attack- Diagnosis and treatment*. (2018) Mayo Clinic.

<https://www.mayoclinic.org/diseases-conditions/heart-attack/diagnosis-treatment/drc-20373112>

*Heart attack- Symptoms and causes*. (2018) Mayo Clinic. <https://www.mayoclinic.org/diseases-conditions/heart-attack/symptoms-causes/syc-20373106>

**Laboratory Data (20 points)**

**\*If laboratory data is unavailable, values will be assigned by the clinical instructor\***

**CBC Highlight All Abnormal Labs—Explanations must be in complete sentences and contain in-text citations in APA format.**

Lab	Normal Range	Admission Value	Today's Value	Reason for Abnormal Value
RBC	4.5-6.3	5.2		N/A
Hgb	14-18	15.9		N/A
Hct	41-51	54		Dehydration, which can result from large amounts of salt intake related to him eating out four times a week. (Hematocrit Test: MedlinePlus Lab Test Information, 2017)

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<b>Platelets</b>	140-440	220		N/A
<b>WBC</b>	4-10	6		N/A
<b>Neutrophils</b>	2-6.9	Unable to Obtain		N/A
<b>Lymphocytes</b>	0.6-3.4	Unable to Obtain		N/A
<b>Monocytes</b>	0-8	Unable to Obtain		N/A
<b>Eosinophils</b>	0-0.5	Unable to Obtain		N/A
<b>Bands</b>	Unknown	Unable to Obtain		N/A

Chemistry **Highlight All Abnormal Labs**—Explanations must be in complete sentences and contain in-text citations in APA format.

<b>Lab</b>	<b>Normal Range</b>	<b>Admission Value</b>	<b>Today's Value</b>	<b>Reason For Abnormal</b>
<b>Na-</b>	136-145	140		N/A
<b>K+</b>	3.5-5.1	3.6		N/A
<b>Cl-</b>	98-107	104		N/A
<b>CO2</b>	21-31	40		He is in distress, so this would mean the gas exchange is poor, leaving CO2 in the lungs.
<b>Glucose</b>	74-109	122		He stated that he eats out about four times a week, which means his sugar would be increased.
<b>BUN</b>	7-25	18		N/A
<b>Creatinine</b>	0.7-1.2	0.8		N/A
<b>Albumin</b>	3.5-5.2	3.6		N/A
<b>Calcium</b>	8.6-10.3	10.2		N/A
<b>Mag</b>	Unknown	1.6		N/A

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<b>Phosphate</b>	Unknown	4.2		N/A
<b>Bilirubin</b>	0.3-1.0	Unable to Obtain		N/A
<b>Alk Phos</b>	40-130	68		N/A

**Urinalysis Highlight All Abnormal Labs**—Explanations must be in complete sentences and contain in-text citations in APA format.

<b>Lab Test</b>	<b>Normal Range</b>	<b>Value on Admission</b>	<b>Today's Value</b>	<b>Reason for Abnormal</b>
<b>Color &amp; Clarity</b>	Clear and Yellow	Clear and Yellow		N/A
<b>pH</b>	4.5-8	6.8		N/A
<b>Specific Gravity</b>	1.000-1.035	1.030		N/A
<b>Glucose</b>	None	None		N/A
<b>Protein</b>	Negative, but a few of is normal	4		N/A
<b>Ketones</b>	None	None		N/A
<b>WBC</b>	0-5	2		N/A
<b>RBC</b>	0-5	None		N/A
<b>Leukoesterase</b>	Negative	Negative		N/A

(Urinalysis- Understand the Test & Your Results, 2016)

**Cultures Highlight All Abnormal Labs**—Explanations must be in complete sentences and contain in-text citations in APA format.

<b>Test</b>	<b>Normal Range</b>	<b>Value on Admission</b>	<b>Today's Value</b>	<b>Explanation of Findings</b>

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<b>Urine Culture</b>		Unable to Obtain		<b>N/A</b>
<b>Blood Culture</b>		Unable to Obtain		<b>N/A</b>
<b>Sputum Culture</b>		Unable to Obtain		<b>N/A</b>
<b>Stool Culture</b>		Unable to Obtain		<b>N/A</b>

### **Lab Correlations Reference (APA):**

Capriotti, T., & Frizzell J.P., (2016). *Pathophysiology: introductory concepts and clinical perspectives*. (1<sup>st</sup> ed.). F.A. Davis Company.

Corbett, J. V., & Banks A. D. (2019). *Laboratory tests and diagnostic procedures with nursing diagnoses*. (9<sup>th</sup> ed.). Pearson.

*Hematocrit Test: MedlinePlus Lab Test Information*. (2017) Medlineplus.gov.

<https://medlineplus.gov/lab-tests/hematocrit-test/>

Sarah Bush Lincoln Health Center (2020). Reference (lab values). Mattoon, IL.

*Urinalysis- Understand the Test & Your Results*, (2016) Labtestsonline.org.

<https://labtestsonline.org/tests/urinalysis>

### **Diagnostic Imaging**

#### **All Other Diagnostic Tests (10 points):**

12-Lead ECG

Chest X-Ray bedside

MRI of the Chest

Left Cardiac Catherization with possible percutaneous transluminal coronary angioplasty with possible balloon dilation and stent replacement

ECG

**Current Medications (10 points, 2 points per completed med)  
\*5 different medications must be completed\***

**Medications (5 required)**

<b>Brand/Generic</b>	Diphenhydramine/ Allerdryl (CAN), etc.	Aspirin/ Ancasal (CAN), etc.	Clopidogrel/ Plavix	Epinephrine / Adrenaline, etc.	Morphine/ Arymo ER, etc.
<b>Dose</b>	25 mg	325 mg	75 mg	0.25 mg (0.1 mg/mL or 1:10,000)	2 mg
<b>Frequency</b>	PRN q 4 hr	Daily 0900	Daily 0900	Stat	PRN q 4 hrs
<b>Route</b>	IV bolus	PO	PO	IV bolus	IV
<b>Classification</b>	<u>Pharmacologic:</u> Antihistamine <u>Therapeutic:</u> Antianaphylactic adjunct, antidyskinetic, antiemetic, antihistamine, antitussive (syrup), antivertigo, sedative-hypnotic	<u>Pharmacologic:</u> Salicylate <u>Therapeutic:</u> NSAID	<u>Pharmacologic:</u> P2Y12 Platelet inhibitor <u>Therapeutic:</u> Platelet aggregation inhibitor	<u>Pharmacologic:</u> Sympathomimetic <u>Therapeutic:</u> Antianaphylactic	<u>Pharmacologic:</u> Opioid <u>Therapeutic:</u> Opioid analgesic
<b>Mechanism of Action</b>	Binds to central and peripheral H1, receptors, competing with histamine for these sites and preventing from reaching its site of action. By blocking	Blocks the activity of cyclooxygenase, the enzyme needed for prostaglandin synthesis. Prostaglandins, important	Binds to adenosine diphosphate (ADP) receptors on the surface of activated platelets. This action blocks ADP, which	Acts on alpha and beta receptors. This nonselective adrenergic agonist stimulates: alpha1	Binds with and activates opioid receptors (mainly mu receptors) in brain and spinal cord to produce analgesia and euphoria.

	<p>histamine, diphenhydramine produces antihistamine effects, inhibiting GI, respiratory, and vascular smooth-muscle contraction; decreasing capillary permeability, which reduces flares, itching, and wheals; and decreasing lacrimal and salivary gland secretions. Diphenhydramine produces antidyskinetic effects, possibly by inhibiting acetylcholine in the CNS. It also produces antitussive effects by directly suppressing the cough center in the medulla oblongata in the brain. Diphenhydramine's antiemetic and antivertigo effects may be related to its ability to bind to CNS muscarinic receptors and depress vestibular</p>	<p>mediators in the inflammatory response, cause local vasodilation with swelling and pain. With blocking of cyclooxygenase and inhibition of prostaglandins, inflammatory symptoms subside. Pain is also relieved because prostaglandins play a role in pain transmission from the periphery to the spinal cord. Aspirin inhibits platelet aggregation by interfering with production of thromboxane A<sub>2</sub>, a substance that stimulates platelet aggregation. Aspirin acts on the heat-</p>	<p>deactivates nearby glycoprotein IIb/IIIa receptors and prevents fibrinogen from attaching to receptors. With fibrinogen, platelets can't aggregate and form thrombi.</p>	<p>receptors, which constricts arteries and may decrease bronchial secretions, presynaptic alpha<sub>2</sub> receptors, which inhibits norepinephrine release by way of negative feedback, postsynaptic alpha<sub>2</sub> receptors, which constricts arteries, beta<sub>1</sub> receptors, which induces positive chronotropic and inotropic responses, and beta<sub>2</sub> receptors, which dilate arteries, relaxes bronchial smooth muscles, increases glycogenolysis, and prevents mast cells</p>	
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	stimulation and labyrinthine function. Its sedative effects are related to its CNS depressant action.	regulating center in the hypothalamus and causes peripheral vasodilation, diaphoresis, and heat loss.		from secreting histamine and other substances, thus reversing bronchoconstriction and edema.	
<b>Reason Client Taking</b>	For itching or restlessness	To reduce risk of MI in patients with previous MI or unstable angina.	To reduce thrombotic events, such as MI and stroke, in patients with atherosclerosis documented by recent MI, peripheral artery disease, or stroke	To provide emergency treatment of allergic reactions (Type 1), including anaphylaxis to allergen immunotherapy, biting and stinging insects, diagnostic testing substances, drugs, foods, and other allergens, as well as exercise-induced or idiopathic anaphylaxis.	For moderate pain
<b>Contraindications (2)</b>	Hypersensitivity to diphenhydramine, similar antihistamines, or their components Use in newborns or premature infants	Active bleeding or coagulation disorders Current or recent GI bleed or ulcers	Active pathological bleeding, including peptic ulcer and intracranial hemorrhage Hypersensitivity to clopidogrel or its components	Cerebral arteriosclerosis, coronary insufficiency, dilated cardiomyopathy, general anesthesia with	Acute or severe bronchial asthma in an unmonitored setting or in the absence of resuscitative equipment Hypersensitivity to montelukast

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				halogenated hydrocarbon or cyclopropane Hypersensitivity to epinephrine or its components	sodium or any of its components
<b>Side Effects/Adverse Reactions (2)</b>	Drowsiness Thickened bronchial secretions	Stomach pain Dizziness	Fatigue Chest pain	Anxiety Insomnia	Agitation Light-headedness

(Jones & Bartlett Learning, 2020)

**Medications Reference (APA):**

Jones & Bartlett Learning (2020), *2020 nurse's drug handbook* (19<sup>th</sup> ed.). Jones & Bartlett Learning.

**Assessment**

**Physical Exam (18 points)**

<b>GENERAL:</b> <b>Alertness:</b> <b>Orientation:</b> <b>Distress:</b> <b>Overall appearance:</b>	Alert and oriented to time, place and person X3 In distress Well groomed and well kept
<b>INTEGUMENTARY:</b> <b>Skin color:</b>	Ashy

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<p><b>Character:</b>  <b>Temperature:</b>  <b>Turgor:</b>  <b>Rashes:</b>  <b>Bruises:</b>  <b>Wounds:</b>  <b>Braden Score:</b>  <b>Drains present:</b> Y <input type="checkbox"/> N <input checked="" type="checkbox"/>  <b>Type:</b></p>	<p>Dry to touch  Warm  Good; Not tenting; Less than 3 secs.  None  None  Patient has vascular closure device at the right groin puncture site. Dressing clean and dry with no bleeding or hematoma noted, until about 2205, then his dressing was saturated with bright red draining and a 3 inch hematoma. Dressings were changed and assessed. Thirty minutes later, the bleeding stopped and pressure dressing applied. Hematoma is now 6 inches in diameter. Braden Score is 19-Mild Risk   N/A</p>
<p><b>HEENT:</b>  <b>Head/Neck:</b>  <b>Ears:</b>  <b>Eyes:</b>  <b>Nose:</b>  <b>Teeth:</b></p>	<p>Symmetrical and Lymph nodes non-palpable  Pearly grey tympanic membrane  PERRLA and does wear glasses  No turbinates, clear sinuses, no deviated septum, no polyps  No decay and in good condition   Patient has a Right neck CVP catheter with opaque dressing, scant amount of red drainage around insertion site.</p>
<p><b>CARDIOVASCULAR:</b>  <b>Heart sounds:</b>  <b>S1, S2, S3, S4, murmur etc.</b>  <b>Cardiac rhythm (if applicable):</b>  <b>Peripheral Pulses:</b>  <b>Capillary refill:</b>  <b>Neck Vein Distention:</b> Y <input type="checkbox"/> N <input checked="" type="checkbox"/>  <b>Edema</b> Y <input type="checkbox"/> N <input checked="" type="checkbox"/>  <b>Location of Edema:</b></p>	<p>S1 and S2 heard   Sinus Rhythm with occasional premature ventricular contraction  Strong and equal pulses  Less than 3 seconds Capillary refill   N/A</p>
<p><b>RESPIRATORY:</b>  <b>Accessory muscle use:</b> Y <input type="checkbox"/> N <input checked="" type="checkbox"/>  <b>Breath Sounds: Location, character</b></p>	<p>Respirations are above normal, even and labored, symmetrical, wheezes and intermittent stridor heard on auscultation</p>
<p><b>GASTROINTESTINAL:</b>  <b>Diet at home:</b>  <b>Current Diet</b>  <b>Height:</b></p>	<p>Regular Diet  NPO  5'6"</p>

<p><b>Weight:</b>  <b>Auscultation Bowel sounds:</b>  <b>Last BM:</b>  <b>Palpation: Pain, Mass etc.:</b>  <b>Inspection:</b>              <b>Distention:</b>              <b>Incisions:</b>              <b>Scars:</b>              <b>Drains:</b>              <b>Wounds:</b>  <b>Ostomy: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></b>  <b>Nasogastric: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></b>              <b>Size:</b>  <b>Feeding tubes/PEG tube Y <input type="checkbox"/> N <input checked="" type="checkbox"/></b>              <b>Type:</b></p>	<p>110 kg          Normal in all four quadrants          4/8/2020          No pain           N/A          N/A          N/A          N/A          N/A          N/A          N/A          N/A          N/A</p>
<p><b>GENITOURINARY:</b>  <b>Color:</b>  <b>Character:</b>  <b>Quantity of urine:</b>  <b>Pain with urination: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></b>  <b>Dialysis: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></b>  <b>Inspection of genitals:</b>  <b>Catheter: Y <input checked="" type="checkbox"/> N <input type="checkbox"/></b>              <b>Type:</b>              <b>Size:</b></p>	<p>Yellow          Clear          Urinated twice with 250 mL           Normal           Indwelling Urinary Catheter          14 (not stated in clinical)</p>
<p><b>MUSCULOSKELETAL:</b>  <b>Neurovascular status:</b>  <b>ROM:</b>  <b>Supportive devices:</b>  <b>Strength:</b>  <b>ADL Assistance: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></b>  <b>Fall Risk: Y <input checked="" type="checkbox"/> N <input type="checkbox"/></b>  <b>Fall Score:</b>  <b>Activity/Mobility Status:</b>  <b>Independent (up ad lib) <input type="checkbox"/></b>  <b>Needs assistance with equipment <input type="checkbox"/></b>  <b>Needs support to stand and walk <input type="checkbox"/></b></p>	<p>Good and MAEW          N/A          Strength in both arms and legs           40- Moderate Risk           Independent          Does not need assistance with equipment          Does not need support to stand or walk</p>
<p><b>NEUROLOGICAL:</b>  <b>MAEW: Y <input checked="" type="checkbox"/> N <input type="checkbox"/></b>  <b>PERLA: Y <input checked="" type="checkbox"/> N <input type="checkbox"/></b>  <b>Strength Equal: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> if no -</b>  <b>Legs <input type="checkbox"/> Arms <input type="checkbox"/> Both <input checked="" type="checkbox"/></b>  <b>Orientation:</b></p>	

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<b>Mental Status:</b> <b>Speech:</b> <b>Sensory:</b> <b>LOC:</b>	X3 Alert and awake Clear No impairment
<b>PSYCHOSOCIAL/CULTURAL:</b> <b>Coping method(s):</b> <b>Developmental level:</b> <b>Religion &amp; what it means to pt.:</b> <b>Personal/Family Data (Think about home environment, family structure, and available family support):</b>	He has his wife Mature for age No known religion He lives with his wife, and she was with him the while he was at the hospital

**Vital Signs, 1 set (5 points)**

Time	Pulse	B/P	Resp Rate	Temp	Oxygen
1725	104	96/56  mmHg	26 per minute	99.0 F	94% with 4 L/  min nasal  cannula

**Pain Assessment, 1 set (5 points)**

Time	Scale	Location	Severity	Characteristics	Interventions
1725	Numeric Scale 0-10	Chest	8/10	Squeezing, tightness, hard to breathe, makes him dizzy and feels sick	Given nitroglycerin and aspirin Adjusted his position in bed

**Intake and Output (2 points)**

Intake (in mL)	Output (in mL)
125 mL IV	175 mL urine
250 mL IV	75 mL urine
100 mL PO	Total: 250 mL

2000 mL NaCl	
12 mL NaCl	
12 mL NaCl	
Total: 2499 mL	

**Nursing Diagnosis (15 points)**  
**\*Must be NANDA approved nursing diagnosis\***

<b>Nursing Diagnosis</b> <ul style="list-style-type: none"> <li>Include full nursing diagnosis with “related to” and “as evidenced by” components</li> </ul>	<b>Rational</b> <ul style="list-style-type: none"> <li>Explain why the nursing diagnosis was chosen</li> </ul>	<b>Intervention (2 per dx)</b>	<b>Evaluation</b> <ul style="list-style-type: none"> <li>How did the patient/family respond to the nurse’s actions?</li> <li>Client response, status of goals and outcomes, modifications to plan.</li> </ul>
<b>1. Decreased Peripheral Tissue Perfusion</b>	Related to MI with decreased arterial flow to the myocardium as evidenced by oxygen levels dropping to 87% without nasal cannula.	<ol style="list-style-type: none"> <li>Administer medications like antiplatelet agents, anticoagulants, thrombolytics, blood viscosity, lipid-lowering agents, or antihypertensive agents</li> <li>Monitor BP. Report to the health care provider any</li> </ol>	<ol style="list-style-type: none"> <li>Goal Met. Medications were administered around the clock. The medications were altered depending on how he reacted to them. For example, the nurse gave him diphenhydramine when he had an allergic</li> </ol>

		<p>significant increase or decrease greater than 15-20 mmHg, or as directed.</p>	<p>reaction to the contrast dye.                  2. Goal Met. The nurse redid vitals every 15 minutes to ensure he was remaining stable. His BP kept decreasing, until norepinephrine was ordered by his doctor and was administered.</p>
<p><b>3. Acute Pain</b></p>	<p>Related to an MI as evidenced by diaphoresis, complaints of chest tightness, feeling sick, and showing the Levine's sign.</p>	<p><b>1.</b> Administer pain medication as prescribed.  <b>2.</b> Teach the patient to rest when claudication (severe, cramping pain) occurs. If claudication occurs at rest, encourage the patient to position the legs so that they are dependent, and ensure</p>	<p>1. Goal Met. The patient was given Morphine and said the medication had helped decrease his pain level.                  2. Goal Met. The patient was instructed to stay lying flat for a total of two hours after his procedure and to keep his legs flat as well. He listened and acknowledged the</p>

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		warmth with socks and blankets, as appropriate.	instructions and did just that.
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(Swearingen & Wright, 2019)

### **Other References (APA):**

Swearingen, P. L., & Wright, J. D., (2019) *All-in-one nursing care planning resource: medical-surgical, pediatric, maternity, and psychiatric-mental health*. (5<sup>th</sup> ed.). Elsevier.

### **Concept Map (20 Points)**

**Subjective Data**

Patient states the tightness of his chest started about 1700 on 4/9/2020. He states the pain is in his chest. The pain is constant and isn't intermittent. He says the pain feels like it's squeezing and it's hard to breathe. He also states that he feels dizzy and sick. The patient states his pain is an eight out of ten. The factors that makes his pain worse are doing any kind of activity. The only things that makes his pain any better is lying down and medications. Before arrival, he took three nitroglycerins and an aspirin.

**Objective Data**

Vitals:  
BP: 96/56 mmHg  
His BP is low  
RR: 26 per minute  
His respiratory rate is high  
Temp: 99.0 F  
SpO2%: 94  
Pulse: 104  
His pulse is a little high  
His labs read high amounts of Hct, CO2 and glucose. This means that he eats out too often, is in distress and is dehydrated related to large amounts of salt intake.  
12-Lead ECG, Chest X-Ray bedside, MRI of the Chest, Left Cardiac Catherization with possible percutaneous transluminal coronary angioplasty with possible balloon dilation and stent replacement, and ECG were used to diagnose the MI.

**Patient Information**

A fifty-four year old man with a history of coronary artery disease, asthma and hypertension came into the hospital via ambulance. He was admitted for complaints of tightness of the chest, feeling sick and dizzy. He had stopped smoking about a month ago and has no history of drinking alcohol or using recreational drugs.

**Nursing Diagnosis/Outcomes**

1. Decreased Peripheral Tissue Perfusion related to an MI as evidenced by oxygen levels dropping to 87% without nasal cannula.
  - a. Goal Met. Medications were administered around the clock. The medications were altered depending on how he reacted to them. For example, the nurse gave him diphenhydramine when he had an allergic reaction to the contrast dye.
  - b. Goal Met. The nurse redid vital every 15 minutes to ensure he was remaining stable. His BP kept decreasing, until norepinephrine was ordered by his doctor and administered.
2. Acute Pain related to MI as evidenced by diaphoresis, complaints of chest tightness, feeling sick, and showing Levine's sign.
  - a. Goal Met. The patient was given Morphine and said the medication had helped decrease his pain level.

**Nursing Interventions**

1. Administer medications like antiplatelet agents, anticoagulants, thrombolytics, blood viscosity, lipid-lowering agents, or antihypertensive agents
2. Monitor BP. Report to the health care provider any significant increase or decrease greater than 15-20 mmHg, or as directed.
3. Administer pain medication as prescribed.
4. Teach the patient to rest when claudication (severe, cramping pain) occurs. If claudication occurs at rest, encourage the patient to position the legs so

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