

N311 Care Plan #4

Lakeview College of Nursing

Olamide Adewole

Demographics (5 points)

Date of Admission 09/29/2019	Patient Initials G.E	Age 86	Gender F
Race/Ethnicity White	Occupation Retired	Marital Status WIdowed	Allergies Shellfish, Shrimp, Lobster
Code Status No CPR - full code	Height 4'9	Weight 150	

Medical History (5 Points)

Past Medical History: Anemia, Pulmonary Hypertension, Pneumonia

Past Surgical History: No past Surgical History

Family History: No past Family History

Social History (tobacco/alcohol/drugs): None

Admission Assessment

Chief Complaint (2 points): Sepsis

History of present Illness (10 points): On 09/ 20/2019, She was seen in the ER, for fever and shortness of breath same day onset

Primary Diagnosis

Primary Diagnosis on Admission (3 points): Sepsis

Secondary Diagnosis (if applicable): None

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

Sepsis

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Sepsis is a potentially life-threatening condition caused by the body's response to an infection. The body normally releases chemicals into the bloodstream to fight an infection. Sepsis occurs when the body's response to these chemicals are out of balance, triggering changes that can damage multiple organ systems. If sepsis occur in elderly patients it progresses to septic shock and their blood pressure drops dramatically. This may lead to death, especially in older patients. Each year, about 90,000 people in the US die from septic shock. Elderly people account for 65% of sepsis cases – people over 65 are 13 times more likely to have sepsis than younger people.

Sepsis is the most common and most dangerous in Older adults, People who have chronic conditions, such as diabetes, kidney or lung disease, or heart conditions, People who have weakened immune systems, and people who are elderly. Doctors often order several tests to try to pinpoint underlying infection like Blood tests for; Evidence of infection, Clotting problems, Abnormal liver or kidney function, Impaired oxygen availability, Electrolyte imbalances. Other laboratory tests might like; urine test, wound secretions. respiratory secretions might be done too. Some imaging tests like X-rays, Ultrasound, MRIs, CT scans might be done if the site of infection is not obvious.

A number of medications are used to treat sepsis. The patient needs to be hospitalized. Mechanical ventilation may be required like Antibiotics: These are administered intravenously within the first 6 hours or earlier to the infection. Initially, the treatment starts with broad-

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spectrum antibiotics to treat a variety of bacteria. Vasopressors are administered if blood pressure remains too low after receiving intravenous fluids, they may be treated with vasopressors that constrict blood vessels and help increase the blood pressure.

Pathophysiology References (2) (APA):

“Sepsis.” *Mayo Clinic*, Mayo Foundation for Medical Education and Research, 16 Nov. 2018, <https://www.mayoclinic.org/diseases-conditions/sepsis/symptoms-causes/syc-20351214>.

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Khatri, Minesh. "Sepsis (Blood Infection): Symptoms, Causes & Treatments." *WebMD*, WebMD, 7 May 2019, <https://www.webmd.com/a-to-z-guides/sepsis-septicemia-blood-infection#1>.

Laboratory Data (20 points)

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

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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	4.7 - 6.1	2.43	2.43	Patient is Anemic
Hgb	13.8 - 17.2	8.2	8.2	Patient is Anemic
Hct	5 - 50	23.4	23.4	Normal levels
Platelets	150 - 400	350	350	Normal level
WBC	4.5 - 11	12.00	12.00	Patient is septic
Neutrophils	N/A	N/A	N/A	N/A
Lymphocytes	N/A	N/A	N/A	N/A
Monocytes	N/A	N/A	N/A	N/A
Eosinophils	N/A	N/A	N/A	N/A
Bands	N/A	N/A	N/A	N/A

Chemistry 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
Na-	135 -145	134	137	Normal levels
K+	3.5 - 5.0	3.7	3.5	Normal levels
Cl-	97 - 107	97	97	Normal levels
CO2	N/A	N/A	N/A	N/A
Glucose	70 - 130	103	106	Normal levels
BUN	7 - 20	16	17	Normal levels
Creatinine	0.5 - 1.2	0.50	0.50	Normal levels

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Albumin	N/A	N/A	N/A	N/A
Calcium	N/A	N/A	N/A	N/A
Mag	N/A	N/A	N/A	N/A
Phosphate	N/A	N/A	N/A	N/A
Bilirubin	N/A	N/A	N/A	N/A
Alk Phos	N/A	N/A	N/A	N/A

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

Lab Test	Normal Range	Value on Admission	Today's Value	Reason for Abnormal
Color & Clarity	N/A	N/A	N/A	N/A
pH	N/A	N/A	N/A	N/A
Specific Gravity	N/A	N/A	N/A	N/A
Glucose	N/A	N/A	N/A	N/A
Protein	N/A	N/A	N/A	N/A
Ketones	N/A	N/A	N/A	N/A
WBC	N/A	N/A	N/A	N/A
RBC	N/A	N/A	N/A	N/A
Leukoesterase	N/A	N/A	N/A	N/A

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

Test	Normal Range	Value on Admission	Today's Value	Explanation of Findings
Urine Culture	N/A	N/A	N/A	N/A`

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Blood Culture	N/A	N/A	N/A	N/A
Sputum Culture	N/A	N/A	N/A	N/A
Stool Culture	N/A	N/A	N/A	N/A

Lab Correlations Reference (APA):**Diagnostic Imaging**

All Other Diagnostic Tests (10 points): Adult trans esophageal echo complete (09/23/2019)

Type of study; TEE Procedure - Complete, Doppler, Color Doppler

Summary

- **Severe mitral annular calcification noted**
- **Myxomatous changes of the aortic leaflet without clear evidence of vegetation**
- **There is also severe 3+ mitral valve regurgitation**
- **No clear evidence of vegetation in either valve**
- **Normal left ventricular systolic function**

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

Medications (5 required)

Brand/Generic	Ipratropium Albuterol	Acetamino phen	Glucagon Injection	Levothyroxi ne	Bumetani de
Dose	3ml	325mg	1mg	88mg	1mg
Frequency	Q6H PRN	Q4H PRN	PRN	QAM AC	daily with

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					breakfast
Route	Nebulization	Oral	Intermuscular	Oral	Oral
Classification	Atrovent	Analgesics	gastrointestinal motility inhibitor	l-Thyroxine	diuretics
Mechanism of Action	cause the muscles of the airways to relax.	Unknown	Increases blood glucose concentration	regulates cell proliferation	reduce extra fluid in the body
Reason Client Taking	Pneumonia	Pain	To increase blood glucose	To maintain metabolism	Hypertension
Contraindications (2)	Diabetes Seizures	Alcohol Butalbital	Hypersensitivity	osteoporosis diabetes	Alcohol hyperuricemia
Side Effects/Adverse Reactions (2)	Headaches Dizziness	Rash Trouble breathing	Nausea vomiting	Tiredness Shaking	dizziness lightheadedness

Medications Reference (APA) Omudhome Ogbu, P. D. (2019, July 30). Albuterol and Ipratropium Inhaler: Side Effects, Dosage, Uses. Retrieved from https://www.medicinenet.com/albuterol_and_ipratropium_inhaler/article.htm.

Omudhome Ogbu, P. D. (2018, June 19). acetaminophen (Tylenol) Side Effects (Liver Toxicity) and Dosage. Retrieved from <https://www.medicinenet.com/acetaminophen/article.htm>.

Glucagon - FDA prescribing information, side effects and uses. (n.d.). Retrieved from <https://www.drugs.com/pro/glucagon.html>.

“Levothyroxine.” DrugBank, <https://www.drugbank.ca/drugs/DB00451>.

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“Bumetanide: MedlinePlus Drug Information.” *MedlinePlus*, U.S. National Library of Medicine, <https://medlineplus.gov/druginfo/meds/a684051.html>.

Assessment

Physical Exam (18 points)

GENERAL: Alertness: Alert and Cooperative Orientation: x3 Distress: None Overall appearance: good	Long term memory intact but no short term memory
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INTEGUMENTARY: Skin color: Normal Character: Normal Temperature: 97.7 Turgor: normal Rashes: None Bruises: None Wounds: None Braden Score: Drains present: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Type:	
HEENT: Head/Neck: Normocephalic Ears: Normal Eyes: Wears glasses Nose: Wears Oxygen Teeth: Wears dentures	
CARDIOVASCULAR: Heart sounds: good S1, S2, S3, S4, murmur etc. Cardiac rhythm (if applicable): Peripheral Pulses: Strong Capillary refill: Neck Vein Distention: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Edema Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Location of Edema:	
RESPIRATORY: Accessory muscle use: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Breath Sounds: Location, character	. Uses Oxygen
GASTROINTESTINAL: Diet at home: Regular Current Diet; Regular Height: 4'9 Weight: 150 Auscultation Bowel sounds: Last BM: 10/21/2019 Palpation: Pain, Mass etc.: Inspection: Distention: None Incisions:None Scars: Right Knee Drains: None Wounds: None	.

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<p>Ostomy: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>Nasogastric: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>Size:</p> <p>Feeding tubes/PEG tube Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>Type:</p>	
<p>GENITOURINARY:</p> <p>Color: yellow</p> <p>Character: clear</p> <p>Quantity of urine: N/A</p> <p>Pain with urination: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>Dialysis: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>Inspection of genitals:</p> <p>Catheter: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>Type:</p> <p>Size:</p>	
<p>MUSCULOSKELETAL:</p> <p>Neurovascular status:</p> <p>ROM: GOOS</p> <p>Supportive devices: WheelChair and walker</p> <p>Strength: Equal</p> <p>ADL Assistance: Y <input checked="" type="checkbox"/> N <input type="checkbox"/></p> <p>Fall Risk: Y <input checked="" type="checkbox"/> N <input type="checkbox"/></p> <p>Fall Score:</p> <p>Activity/Mobility Status: Goes for all daily activity</p> <p>Independent (up ad lib) <input type="checkbox"/> No</p> <p>Needs assistance with equipment <input type="checkbox"/> Yes</p> <p>Needs support to stand and walk <input type="checkbox"/> Yes</p>	
<p>NEUROLOGICAL:</p> <p>MAEW: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>PERLA: Y <input checked="" type="checkbox"/> N <input type="checkbox"/></p> <p>Strength Equal: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> if no -</p> <p>Legs <input type="checkbox"/> Arms <input type="checkbox"/> Both <input type="checkbox"/></p> <p>Orientation:</p> <p>Mental Status: Good</p> <p>Speech: Clear</p> <p>Sensory: No short term memory</p> <p>LOC: No</p>	
<p>PSYCHOSOCIAL/CULTURAL:</p> <p>Coping method(s): Family</p> <p>Developmental level:</p> <p>Religion & what it means to pt.:</p> <p>Personal/Family Data (Think about home</p>	

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environment, family structure, and available family support):	
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Vital Signs, 1 set (5 points)

Time	Pulse	B/P	Resp Rate	Temp	Oxygen
7.20 am	78	134 / 60	18	97.7	

Pain Assessment, 1 set (5 points)

Time	Scale	Location	Severity	Characteristics	Interventions
7.20	0	N/A	N/A	N/A	N/A

Intake and Output (2 points)

Intake (in mL)	Output (in mL)
720 ml	

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

Nursing Diagnosis	Rational	Intervention (2 per dx)	Evaluation
<ul style="list-style-type: none"> ● Include full nursing diagnosis with “related to” and “as evidenced by” components 	<ul style="list-style-type: none"> ● Explain why the nursing diagnosis was chosen 		<ul style="list-style-type: none"> ● How did the patient/family respond to the nurse’s actions? ● Client response, status of goals and outcomes, modifications to plan.
1. Dyspnea	Due to previous diagnosis of pneumonia and sepsis	1. Access respiratory status every 2 -4 hours 2. Access patient	

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		breath sounds	
2. Immobility	Due to patient's use of a wheelChair	1.Put bed on lowest position 2.Make sure patient has call light all the time	

Other References (APA):

Concept Map (20 Points):

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