

N441 Care Plan

Lakeview College of Nursing

Madisyn Verostko

Demographics (3 points)

Date of Admission 3/20/2020	Patient Initials MJ	Age 80	Gender Female
Race/Ethnicity Caucasian	Occupation Unemployed	Marital Status Married	Allergies PCN, sulfa
Code Status DNR	Height 5'0"	Weight 210 lbs	

Medical History (5 Points)

Past Medical History:

- Coronary artery disease
- congestive heart failure
- anemia
- deep vein thrombosis
- stage 4 squamous cell carcinoma
- stage 4 laryngeal cancer
- respiratory failure
- impaired gas exchange
- hypothyroidism
- insomnia
- dyslipidemia
- impaired mobility

Past Surgical History:

- peg tube placement (2019)
- tracheostomy placement (2013)
- laryngeal and lung cancer excision (2012)
- pleural drain placement (2019)

Family History:

- mother- diabetes
- father- diabetes, heart disease, and high blood pressure

Social History (tobacco/alcohol/drugs): Pt denies alcohol use. Former smoker of 54 years, quit in 2011 when diagnosed with lung cancer. Pt denies use of any illegal drugs and marijuana.

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Assistive Devices: Pt uses a walker

Living Situation: Pt resides at Brookstone Assisted Living in Charleston, IL with husband

Education Level: Associates degree in childcare

Admission Assessment

Chief Complaint (2 points): Pt states “couldn’t catch my breath” accompanied by CP

History of present Illness (10 points):

Mrs. Jones presented to the ED on 3/20 via ambulance stating she had chest pain and “couldn’t catch my breath”. She described her pain as “it feels very tight” and pointed to her left chest.

Mrs. Jones stated that her pain did not go away on her ride to the hospital. She said it even got worse when she was put on the cot and forced to ride while lying down. Upon arrival to the ED,

Mrs. Jones was able to sit up and stated that this helped relieve some of her pain. Mrs. Jones

rated her pain 10/10 on arrival. No other measures have been taken to manage pain at this time.

Primary Diagnosis

Primary Diagnosis on Admission (2 points): Healthcare associated pneumonia

Secondary Diagnosis (if applicable): Chronic respiratory failure

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

Healthcare associated pneumonia refers to an upper respiratory infection that was acquired within a healthcare facility of some sort, in my patient’s case, it was the nursing home. The most common cause of healthcare associated pneumonia is microaspiration of bacteria, that colonize in the oropharynx and upper respiratory tract of already-ill patients and progress into an infection known as pneumonia (Sethi, 2019). Pneumonia that develops 4-7 days after hospital admission may be caused by pathogens such as Methicillin-sensitive *S. aureus*, *Streptococcus*

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pneumoniae, and *Haemophilus influenzae* (Sethi, 2019). With increasing duration of hospitalization, pathogens such as *Pseudomonas aeruginosa*, Methicillin-sensitive *Staphylococcus aureus*, Methicillin-resistant *S. aureus* (MRSA), or enteric gram-negative organisms are more likely to be the source of the infection (Sethi, 2019). Possible but less likely causes of pneumonia include seeding of the lung due to bacteremia, or inhalation of contaminated aerosols such as airborne particles containing *Legionella* species, *Aspergillus* species, or the influenza virus (Sethi, 2019). My patient has several comorbidities that made her more susceptible to developing pneumonia, the greatest being COPD, CHF, and chronic respiratory failure. A sputum culture performed on 3/20 revealed that the causative agent of my patient's pneumonia was *Staphylococcus aureus*.

The most notable risk factors for healthcare associated pneumonia are coexisting comorbidities such as cardiac, pulmonary, hepatic, or renal insufficiency (Sethi, 2019). Other risk factors include recent antibiotic therapy, high gastric pH, and age greater than 70 (Sethi, 2019). Signs and symptoms of healthcare acquired pneumonia include malaise, fever, chills, rigor, cough, dyspnea, and chest pain (Sethi, 2019). My patient presented with dyspnea and chest pain.

Diagnosis of pneumonia is made via a chest x-ray, a chest computed tomography (CT), or a combination of the two (Capriotti & Frizzell, 2016). Bronchoscopy and blood cultures can also be used. Sputum cultures are a good way to determine the causative pathogen in order to guide antibiotic therapy (Capriotti & Frizzell, 2016). Treatment via antibiotic therapy is determined by the findings of sputum culture gram stains. If healthcare associated pneumonia is suspected, local sensitivity patterns and patient risk factors for antibiotic-resistant pathogens are taken into consideration (Capriotti & Frizzell, 2016). "In treatment

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settings where MRSA rates are > 20%, vancomycin or linezolid should be added.” (). My patient is actively being treated with vancomycin.

Pathophysiology References (2) (APA):

Capriotti, T., & Frizzell, J. P. (2016). *Pathophysiology Introductory Concepts and Clinical Perspectives*. Philadelphia, PA: F.A. Davis Company.

Sethi, S., (2019). Hospital-Acquired Pneumonia - Pulmonary Disorders. Retrieved from

<https://www.merckmanuals.com/professional/pulmonary-disorders/pneumonia/hospital-acquired-pneumonia>

Laboratory Data (15 points)

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	3.8-5.41 M/uL	3.21	2.64	Red blood cell counts are decreased in patients with anemia. This patient has anemia (Van Leeuwen & Bladh, 2017). This is likely the patient's baseline.
Hgb	11-15.5 g/dL	10.1	8.2	Hemoglobin counts are decreased in patients with anemia. This patient has anemia (Van Leeuwen & Bladh, 2017). This is likely the patient's baseline.
Hct	33.2%-45.3%	30.0	25.5	Hematocrit counts are decreased in patients with anemia. This patient has anemia (Van Leeuwen & Bladh, 2017). This is likely the patient's baseline.
Platelets	100- 400 K/uL	278	293	
WBC	4.8 – 10.8 K/uL	10.2	5.9	

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Neutrophils	45-80 %	8.2	8.4	Neutrophils are significantly reduced in the blood serum due to them being recruited to the lungs as the body's initial response to infection (Craig, Mai, Cai, & Jeyaseelan, 2009). Neutrophils are trending up since admission.
Lymphocytes	11.8-46 %	2.9	5.0	Lymphocytes are decreased in pneumonia and anemia (Van Leeuwen & Bladh, 2017). Lymphocytes are trending up since admission.
Monocytes	4.4-12 %	2.4	5.9	Decreased monocytes is directly related to an overall low WBC count, related to neutropenia and lymphocytopenia, which this patient also has. This could indicate that the infection has progressed into the bloodstream (Van Leeuwen & Bladh, 2017). Monocytes are trending up, and today's value was within the expected reference range.
Eosinophils	0 – 6.3 %	5.6	6.5	
Bands	0-5 %	0.2	0.5	

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 mmol/L	136	137	
K+	3.5- 5.1 mmol/L	4.3	4.3	
Cl-	96 – 106 mmol/L	96	98	
CO2	23-29 mEq/L	27	28	
Glucose	70-99 mg/dl	113	99	Blood glucose is elevated when the body is under stress (Van Leeuwen & Bladh, 2017). An active infection such as pneumonia can cause a high serum glucose reading due to stress on the body.

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BUN	6-20	44	9	Elevated BUN is common in dehydration and CHF (Van Leeuwen & Bladh, 2017). This patient has CHF.
Creatinine	0.5 -0.9 mmol/L	1.8	0.47	Creatinine levels are elevated in the blood due to dehydration, renal impairment, and CHF (Van Leeuwen & Bladh, 2017). This explains the increased value upon admission, as this patient has CHF. Today's decreased value is just slightly lower than the reference range. Overall, this is a good trend because the creatinine is much closer to the expected reference range.
Albumin	3.5-5.2 g/L	N/A	3.3	"Abnormal LFTs are common in community-acquired pneumonia and are of prognostic value. Patients with a low albumin or raised ALT are significantly more likely to die from their disease or to stay in hospital for a prolonged period" (Jinks & Kelly, 2004, para. 4). I found this statement of value as my patient has shown both increased LFTs and a decreased albumin. But her albumin is just slightly low. This is more than likely due to malnutrition r/t intubation and PEG tube diet.
Calcium	8.6 – 10.4 mg/dl	N/A	N/A	
Mag	1.6 – 2.4 mmol/L	2.1	1.6	
Phosphate	2.5-4.5	N/A	N/A	
Bilirubin	0 – 1.2 umol/L	0.3	0.3	
Alk Phos	44-147 U/L	N/A	104	
AST	0-32 U/L	40	13	"Abnormal LFTs are common in community-acquired pneumonia and are of prognostic value. Patients with a

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				low albumin or raised ALT are significantly more likely to die from their disease or to stay in hospital for a prolonged period” (Jinks & Kelly, 2004, para. 4). I found this statement of value as my patient has shown both increased LFTs and a decreased albumin. Since admission, AST has returned to normal value but ALT has since risen to an above normal value.
ALT	0-33 U/L	13	41	“Abnormal LFTs are common in community-acquired pneumonia and are of prognostic value. Patients with a low albumin or raised ALT are significantly more likely to die from their disease or to stay in hospital for a prolonged period” (Jinks & Kelly, 2004, para. 4). I found this statement of value as my patient has shown both increased LFTs and a decreased albumin. Since admission, AST has returned to normal value but ALT has since risen to an above normal value.
Amylase	23-85	N/A	N/A	
Lipase	23-85	N/A	N/A	
Lactic Acid	< 2 mmol/L	0.9	1.1	
Troponin	<0.01	<1	<1	
CK-MB	3-5%	N/A	N/A	
Total CK	22-198 U/L	N/A	N/A	

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

Lab Test	Normal Range	Value on Admissio	Today’s Value	Reason for Abnormal
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INR	0.86 – 1.14	N/A	N/A	
PT	11.9 – 15 sec.	N/A	N/A	
PTT	23- 37 sec.	N/A	N/A	
D-Dimer	< 0.4 or <250	N/A	N/A	
BNP	< 100	N/A	N/A	
HDL	>60	N/A	N/A	
LDL	< 100	N/A	N/A	
Cholesterol	. < 200	N/A	N/A	
Triglycerides	< 150	N/A	N/A	
Hgb A1c	4-5.6%	N/A	N/A	
TSH	0.45-4.5 mU/L	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	Yellow / Clear	Clear yellow	N/A	
pH	4.5- 8	8.0	N/A	
Specific Gravity	1.005-1.025	1.015	N/A	
Glucose	< 130 mg/d	Negative	N/A	
Protein	< 150 mg/d	Negative	N/A	
Ketones	None	Negative	N/A	
WBC	<2-5 /hpf	4	N/A	
RBC	< 2 /hpf	2	N/A	
Leukoesterase	Negative	Negative	N/A	

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Arterial Blood Gas **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
pH	7.35-7.45	7.42	7.51	Blood pH can be increased due to dehydration (Van Leeuwen & Bladh, 2017). This is likely for this patient along with malnutrition due to intubation and feeding via PEG tube.
PaO2	80-100	31	31	Partial pressure of oxygen (PaO2) is decreased in respiratory conditions such as COPD and respiratory failure, both of which my patient has (Van Leeuwen & Bladh, 2017). This value is extremely too low and suggests that this patient is not receiving enough oxygen.
PaCO2	35-45	48	41	Increased partial pressure of carbon dioxide (PaCO2) occurs when the patient is retaining CO2 due to hyperventilation (Van Leeuwen & Bladh, 2017). This has COPD which makes her prone for CO2 retention. Her PaCO2 has since returned to the reference range after being placed on a vent to help her blow off the excess CO2.
HCO3	22-26	25	23	
SaO2	94-100%	96%	97%	

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

Test	Normal	Value on	Today's	Explanation of Findings
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	Range	Admission	Value	
Urine Culture	Negative - < 10,000	N/A	N/A	
Blood Culture	Negative	N/A	N/A	
Sputum Culture	Negative	Staphylococcus aureus (resulted on 3/22/2020)	N/A	Staphylococcus aureus is the causative agent of active pneumonia infection.
Stool Culture	Negative	N/A	N/A	

Lab Correlations Reference (APA):

Craig, A., Mai, J., Cai, S., & Jeyaseelan, S. (2009, February 1). Neutrophil Recruitment to the Lungs during Bacterial Pneumonia. Retrieved from <https://iaj.asm.org/content/77/2/568>

Jinks, M. F., & Kelly, C. A. (2004, November). The pattern and significance of abnormal liver function tests in community-acquired pneumonia. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/15581747>

Van Leeuwen, A. M., & Bladh, M. L. (2017). *Davi's Comprehensive Handbook of Laboratory and Diagnostic Tests with Nursing Implications* (7 ed.). Philadelphia, PA: F.A. Davis Company.

Diagnostic Imaging

All Other Diagnostic Tests (5 points):

- CXR: Completed in the ER on 3/20/2020
 - Radiologist report: The right lung has increased peripheral and basilar opacities related to the disease process of pneumonia. Interstitial thickening suggestive of pulmonary edema also noted.
- CXR: Completed on 3/24/2020 - Completed post-intubation.
 - Radiologist report: Endotracheal tube in place 2cm above carina.
- CT chest with contrast: Completed while patient was in ED on 3/20/2020
 - Radiologist report: Unremarkable. No evidence of pulmonary emboli.
- EKG 3/20/2020 - NSR at a rate of 87

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- EKG 3/24/2020 NSR at a rate of 80

Diagnostic Test Correlation (5 points):

Chest X-ray findings are consistent with the diagnosis of pneumonia. Findings indicative of pneumonia are airspace opacity, lobar consolidation, or interstitial opacities. The client's first CXR upon arrival to the ER showed basilar opacities and interstitial thickening (lobar consolidation). Pulmonary edema was also evident on this X-Ray. A chest CT with contrast was also performed in the ER to rule out acute PE, which came back unremarkable. EKG was performed due to patient's complaint of chest pain, showed NSR.

Diagnostic Test Reference (APA):

Van Leeuwen, A. M., & Bladh, M. L. (2017). *Davi's Comprehensive Handbook of Laboratory and Diagnostic Tests with Nursing Implications* (7 ed.). Philadelphia, PA: F.A. Davis Company.

Current Medications (10 points, 1 point per completed med) *10 different medications must be completed*

Home Medications (5 required)

Brand/Generic	Protonix pantoprazole	Lipitor atorvastatin	Ambien zolpidem	Lasix furosemide	Tylenol acetaminophen
Dose	40 mg	20 mg	0.5 mg	20 mg	650 mg
Frequency	Once daily	Once daily	HS	HS	Q6hr PRN
Route	PO crushed via peg tube	PO crushed via peg tube	PO crushed via peg tube	PO crushed via peg tube	PO crushed via peg tube
Classification	Proton pump inhibitor	HMG CoA reductase inhibitor	Sedative or hypnotic	Loop diuretic	Antipyretic/ non-opioid analgesic
Mechanism of	Interferes w/	Inhibits 3-	Interacts with	inhibits	Inhibits the

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Action	gastric secretion by inhibiting proton pump	hydroxy-3-methylglutaryl-coenzyme A reductase, inhibiting cholesterol synthesis	GABA-benzodiazepine receptor complexes	NA and Cl reabsorption at proximal and distal tubules and Loop of Helms.	synthesis of prostaglandins that may serve as mediators of pain and fever, primarily in the CNS
Reason Client Taking	PEG tube	dyslipidemia	Insomnia	CHF	Pain
Contraindications (2)	Concurrent use w/ rilpivirine-containing products Hypersensitivity	Pregnancy myopathy	Alcohol use Severe hepatic impairment	Anuria Hepatic coma	Hepatic impairment Severe malnutrition
Side Effects/Adverse Reactions (2)	Abdominal pain anxiety	Tendon rupture arthralgia	Hallucinations Complex sleep-related behaviors	Electrolyte imbalance ototoxicity	Nausea headache
Nursing Considerations (2)	Don't give w/in 4 weeks of testing for H. pylori Flush IV w/ D5W after admin	Monitor for n/v/d side effects Administer at same time everyday	Beware of complex sleep behaviors (walking, driving, etc) Monitor for suicidality	Be attentive to foley bag (large urine output) Monitor for FVD	Monitor temp/pain Document when last dose was given
Key Nursing Assessment(s)/Lab(s) Prior to Administration	Swallow whole, do not chew take delayed-release 30 min before a meal mixed in apple juice or applesauce	Monitor Cr Monitor LFTs	No routine tests recommended	Monitor potassium Monitor BUN, Cr, electrolytes	Liver enzymes Cr at baseline
Client Teaching	Proton pump	Take along	Notify pt of	Consume	Take

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needs (2)	inhibitor	with diet modifications (low carb, no alcohol) Stop smoking	suicidality side effect, urge to reach out for help if needed Warn pt of complex sleep-related behavior, create restful safe environment when going to sleep	adequate fluids Get routine blood work to check K+ levels	recommended dose on label OD can cause liver damage or death
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Hospital Medications (5 required)

Brand/Generic	Precedex dexmedetomidine	Zofran ondansetron	Merrem meropenem	Firvanq vancomycin	Lovenox enoxaparin
Dose	1mcg/kg/hr	4 mg	1000 mg	1000 mg	40mg
Frequency	PRN	Q8hr PRN	Q12hr PRN	Q12hr	Once daily
Route	IV drip	IV push	Crushed via PEG tube	IV	SQ
Classification	Sedative	Selective 5HT5 receptor antagonist	antibiotic	antibiotic	LMWH - anticoagulant
Mechanism of Action	Produces centrally mediated sympatholytic sedative and analgesic effects	antiemetic	Inhibits cell wall synthesis, bactericidal	Inhibits cell wall and RNA synthesis	Binds thrombin III, inhibits IIa and Xa
Reason Client Taking	Intubated	nausea	pneumonia	pneumonia	DVT prophylaxis
Contraindications	Avoid abrupt	Use with	Anaphylactic	Renal	Hypersensitivity

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(2)	withdrawal Caution in elderly patients	apomorphine hypersensitivity	rxn to beta-lactams Caution with seizure disorder	impairment Concurrent nephrotoxic agent use	active bleeding
Side Effects/Adverse Reactions (2)	Hypotension bradycardia	Headache diarrhea	Seizures Stevens-Johnson syndrome	Red man syndrome hypotension	Thrombocytopenia (HIT) bleeding
Nursing Considerations (2)	Monitor vs continuously Perform neuro checks routinely	Drug interactions Monitor ECG if electrolyte abnormalities noted	Monitor for hypersensitivity rxn Monitor for s/sx of Stevens-Johnson syndrome	Monitor for hypotension Administer slowly	Bleeding precautions beers criteria (older adults)
Key Nursing Assessment(s)/Lab(s) Prior to Administration	Monitor LFTs Monitor HR and rhythm for irregularities	monitor cholesterol monitor LFTs	Monitor Cr Monitor CBC	BUN, Cr Monitor for fever	s/sx of bleeding s/sx of thromboembolism
Client Teaching needs (2)	This medication will put you to sleep Notify personnel if you have difficulty breathing	Seek immediate help if experiencing persistent, severe, unusual, or worsening sx immediately report rash	Educate pt about possible side effects Educate pt on purpose of this drug	Monitor for C. difficile (diarrhea) Change positions slowly d/t orthostatic hypotension	LMWH - anticoagulant

Medications Reference (APA):

Vallerand, A. H., Sanoski, C. A., & Deglin, J. H. (2017). *Davis's Drug Guide for Nurses* (15 ed.). Philadelphia, PA: F.A. Davis Company.

Assessment

Physical Exam (18 points)

<p>GENERAL (1 point): Alertness: Orientation: Distress: Overall appearance:</p>	<p>Pt is sedated and appears to be in no acute distress. Pt appears well nourished. Pt is Cooperative, appropriate mood and affect, coherent when awake. Pt appears clean. Speech is impaired d/t ETT.</p>
<p>INTEGUMENTARY (2 points): Skin color: gray Character: dry Temperature: warm Turgor: N/A Rashes: no noted rashes Bruises: no noted bruises Wounds: no noted wounds Braden Score: 13 Drains present: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Type: Pleural, left side</p>	<p>Skin is warm, dry and grey, no rashes, bruises or wounds present. Braden score of 13. Pleural drain in place, left side.</p>
<p>HEENT (1 point): Head/Neck: Ears: Eyes: Nose: Teeth:</p>	<p>Head and neck appear normocephalic. Vision and hearing are intact, PERRLA noted and EOMI. Normal conjunctiva, eyelids bilateral- no abnormalities noted, sclera bilaterally clear. No septum deviation, nasal polyps, or drainage noted. Tympanic membrane is clear, pearly gray. No noted abnormalities to the external ear. Oral mucosa is pink, moist, and intact. Uvula is midline - no abnormalities noted. Dentures are at bedside, were removed prior to intubation.</p>
<p>CARDIOVASCULAR (2 points): Heart sounds: S1, S2, S3, S4, murmur etc. Cardiac rhythm (if applicable): Peripheral Pulses: Capillary refill: Neck Vein Distention: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Edema Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Location of Edema: Bilateral legs and ankles – 1+</p>	<p>Heart rhythm is regular. Heart sounds auscultated-normal S1, S2. Peripheral Edema noted in legs bilaterally -1+; ankles: bilaterally-1+. Capillary refill is WNL (<3 seconds). Peripheral pulses normal bilaterally.</p>
<p>RESPIRATORY (2 points):</p>	<p>Respiratory effort is regular, no accessory muscle</p>

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<p>Accessory muscle use: Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>Breath Sounds: Location, character</p> <p>ET Tube: Size of tube: 7 fr Placement (cm to lip): 19 Respiration rate: 22 FiO2: 60 Total volume (TV): 350 PEEP: 8 VAP prevention measures: frequent suctioning and oral care.</p>	<p>use. No chest deformities noted. Diminished sounds in right middle and lower lobes upon auscultation, left is clear. ETT in place, 7 fr, 19 at the lip. Current settings include: RR:22, FiO2: 60, TV: 350, PEEP: 8. Frequent suctioning and oral care completed.</p>
<p>GASTROINTESTINAL (2 points): Diet at home: PEG tube - Jevity 50 mL/ hour Current Diet PEG tube - Jevity 50 mL/ hour Height: 5'0" Weight: 210 lbs Auscultation Bowel sounds: present in all 4 quadrants Last BM: 3/22 Palpation: Pain, Mass etc.: Inspection: Distention: non-distended Incisions: no incisions Scars: no scars Drains: no drains Wounds: no wounds present Ostomy: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Nasogastric: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Size: Feeding tubes/PEG tube Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Type: PEG tube</p>	<p>Soft, non-tender, non-distended, normal bowel sounds in all four quadrants, no masses/abdominal tenderness/abdominal hernias, no incisions, drains, or wounds. PEG tube present. Patient's last BM was 3/22. Patient is receiving Jevity 50 mL/ hour while in the hospital which is also norm for her at home.</p>
<p>GENITOURINARY (2 Points): Color: yellow Character: clear Quantity of urine: 350 mL in foley bag Pain with urination: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Dialysis: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Inspection of genitals: Catheter: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Type: foley Size: 14 fr</p>	<p>14fr foley catheter in place, peri care completed Q shift. Urine is yellow and clear. 350mL urine present in foley bag. All external genitalia is present and unremarkable.</p>

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<p>CAUTI prevention measures: peri care q shift, foley bag emptied and kept below level of bladder</p>	
<p>MUSCULOSKELETAL (2 points): Neurovascular status: adequate ROM: MOEW Supportive devices: Bedridden Strength: Equal bilaterally ADL Assistance: Y<input type="checkbox"/> N<input type="checkbox"/> Fall Risk: Y<input checked="" type="checkbox"/> N<input type="checkbox"/> Fall Score: 55 Activity/Mobility Status: Independent (up ad lib)<input type="checkbox"/> Needs assistance with equipment<input checked="" type="checkbox"/> Needs support to stand and walk<input type="checkbox"/></p>	<p>Passive range of motion in all extremities, no tenderness or swelling. Patient is bedridden while intubated and receiving mechanical ventilation. Fall score of 55. Full assist required at this time. Strength equal bilaterally.</p>
<p>NEUROLOGICAL (2 points): MAEW: Y<input checked="" type="checkbox"/> N<input type="checkbox"/> PERLA: Y<input checked="" type="checkbox"/> N<input type="checkbox"/> Strength Equal: Y<input checked="" type="checkbox"/> N<input type="checkbox"/> if no - Legs<input type="checkbox"/> Arms<input type="checkbox"/> Both<input type="checkbox"/> Orientation: sedated Mental Status: normal with developmental level Speech: intact but sedated Sensory: no deficits LOC: sedated</p>	<p>Sedated, but when awake CN II-XII grossly intact and exhibited. Patient's mental status is normal for her developmental level. No sensory deficits.</p>
<p>PSYCHOSOCIAL/CULTURAL (2 points): Coping method(s): remaining active and involved in activities Developmental level: appropriate for age Religion & what it means to pt.: Christian Personal/Family Data (Think about home environment, family structure, and available family support): pt resides at Brookstone assisted living with husband. Husband at bedside. Pt has 4 children who live 1+ hours away.</p>	<p>Patient's husband is at bedside and reports they have been strong Christians all their lives. He states the patient enjoys participating in activities at their assisted living facility and finds joy in remaining active. They have 4 children whom live across the country with the closest residing 1 hour from Sarah Bush Lincoln.</p>

Vital Signs, 2 sets (5 points)

Time	Pulse	B/P	Resp Rate	Temp	Oxygen
0800	78	106/62	20	36.8	99

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1245	99	101/59	24	36.6	99
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Vital Sign Trends/Correlation:

Vital signs remain stable throughout my shift. RR was elevated at 1245 d/t pain, pain relief interventions implemented.

Pain Assessment, 2 sets (2 points)

Time	Scale	Location	Severity	Characteristics	Interventions
0800	Numeric (0-10)	N/A	0	N/A	N/A
1245	Numeric (0-10)	N/A	4	N/A	Repositioned and 650 mg of Tylenol given PO via PEG tube

IV Assessment (2 Points)

IV Assessment	Fluid Type/Rate or Saline Lock
Size of IV: 22g Location of IV: right upper arm Date on IV: 3/20/20 Patency of IV: patent, flushes easily Signs of erythema, drainage, etc.: there are no signs of erythema, drainage, infiltration, or phlebitis at IV site. IV dressing assessment: tegaderm is intact, dry, and clean	Vancomycin 1000 mg q12 hr
Other Lines (PICC, Port, central line, etc.) Type: Port accessed Size: N/A Location: left chest Date of insertion: 3/20 Patency: flushes good, patent Signs of erythema, drainage, etc.: no signs of erythema, drainage, or any other signs of infection Dressing assessment: tegaderm is intact,	N/A – port accessed

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clean, and dry Date on dressing: 3/20 CUROS caps in place: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> CLABSI prevention measures: CLABSI prevention measures are being taken as ordered	
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Intake and Output (2 points)

Intake (in mL)	Output (in mL)
500 mL	980 mL

Nursing Care

Summary of Care (2 points)

Overview of care: On this clinical day I would have performed oral care, repositioned the patient as needed, suctioned as needed, administered medication, provided peri/catheter care as needed, and provided necessary pain relief measures.

Procedures/testing done: No procedures performed on this day.

Complaints/Issues: pt c/o pain at 1245, pain interventions implemented

Vital signs (stable/unstable): Vital signs remain stable

Tolerating diet, activity, etc.: Pt is tolerating diet via PEG tube well.

Physician notifications: No need for physician notifications on this day.

Future plans for patient: Pt is to d/c back to Brookstone Nursing Home in Charleston, IL.

Discharge Planning (2 points)

Discharge location: Pt is to d/c back to Brookstone Nursing Home in Charleston, IL.

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Home health needs (if applicable): Home health should see this patient weekly.

Equipment needs (if applicable): Pt may need oxygen for in home use

Follow up plan: Patient is currently receiving palliative care

Education needs: Educate patient and husband about needs for hospice care. Mrs. Jones

wishes were not to be hooked up to a machine forever. I would educate them about her condition and probable prognosis, lay out all their options, and give them time to make a decision.

Nursing Diagnosis (15 points)

Must be NANDA approved nursing diagnosis and listed in order of priority

Nursing Diagnosis <ul style="list-style-type: none"> • Include full nursing diagnosis with “related to” and “as evidenced by” components 	Rational <ul style="list-style-type: none"> • Explain why the nursing diagnosis was chosen 	Intervention (2 per dx)	Evaluation <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. Ineffective airway clearance r/t pneumonia AEB respiratory secretions	Pt is producing thick secretions d/t pneumonia infection, can block airway	1. Suction pt PRN 2. Provide good oral care	Goals met- pt responded well to interventions (pt is sedated)
2. Impaired gas exchange r/t pneumonia and COPD AEB low PaO ₂ and elevated PaCO ₂	Pt is prone to CO ₂ retention d/t COPD (hyperventilating), pt is not receiving adequate oxygenation according to PaCO ₂	1. Monitor pulse Ox and ABGs 2. Adjust vent settings as needed	Goals met- pt responded well to interventions (pt is sedated). Nurse continues to monitor ABGs and SpO ₂
3. Risk for infection r/t urinary catheter in place	Catheter in place poses risk for CAUTI	1. Perform catheter/peri care 2. Empty urine bag	Goals met- pt responded well to interventions (pt is sedated). Peri/catheter care provided (hypothetically) and 630 mL emptied from foley bag

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		regularly, keep bag below level of bladder	
4. Risk for imbalanced nutrition: Less than body requirements r/ t PEG tube feedings	Pt receives feedings via PEG tube, poses risk for deficiencies	1. Provide supplementation as needed 2. monitor hydration status and albumin levels	Goals met- pt responded well to interventions (pt is sedated)
5. Risk for impaired skin integrity r/t bedrest	Pt is intubated and on ordered bed rest, poses risk for bed sores	1. turn patient PRN 2. Perform daily skin assessments	Goals met- pt responded well to interventions (pt is sedated)

Other References (APA):

Swearingen, P. L. (2016). *All-In-One Nursing Care Planning Resource* (4 ed.). St. Louis, Missouri: ELSEVIER.

Concept Map (20 Points):

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Subjective Data

Upon arrival to ED pt stated "couldn't catch my breath"

She described her pain as "it feels very tight" and pointed to her left chest

Mrs. Jones stated that her pain did not go away on her ride to the hospital, it got worse when she was put on the cot and forced to ride while lying down

Stated pain relief upon sitting up

Mrs. Jones rated her pain 10/10 on arrival.

Mrs. Jones verbalized pain 4/10 at 1245 during my clinical shift

Nursing Diagnosis/Outcomes

- o Ineffective airway clearance r/t pneumonia AEB respiratory secretions → maintain patent airway
- o Impaired gas exchange r/t pneumonia and COPD AEB low PaO2 and elevated PaCO2 → ensure adequate ventilation
- o Risk for infection r/t urinary catheter in place → prevent CAUTI
- o Risk for imbalanced nutrition: Less than body requirements r/t PEG tube feedings → ensure adequate nutrition
- o Risk for impaired skin integrity r/t bedrest → prevent immobility complications

Objective Data

- o CXR and CT confirmed pneumonia
- o PMH of COPD, CHF, anemia, cancer
- o EKG –NSR
- o Sputum culture – Staphylococcus aureus
- o VSS

Patient Information

Mrs Jones
80 y/o
Resides at Brookstone
assisted living with
husband
Christian
5'0"
210 lbs
Caucasian
Female

Nursing Interventions

- o Suction pt PRN
- o Provide good oral care
- o Pt is prone to CO2 retention d/t COPD (hyperventilating), pt is not receiving adequate oxygenation according to PaCO2
- o Perform catheter/peri care
- o Empty urine bag regularly, keep bag below level of bladder
- o Provide supplementation as needed
- o monitor hydration status and albumin levels
- o turn patient PRN

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