Cheatography

Pneumonia Cheat Sheet by harpieee via cheatography.com/71374/cs/18469/

PNEUMONIA

An inflammatory process in the lungs that produces excess fluid and exudate that fill the alveoli

Classified as bacterial, viral, fungal, or chemical

Pneumonia is triggered by infectious organisms or by the aspiration of an irritant, such as fluid or a foreign object

Can be a primary disease of a complication of another disease or condition

Young clients, older adult clients, and clients who are immunocompromised are more susceptible

TYPES OF PNEUMONIA

CONTRIBUTING FACTORS

No influenza vaccine within the

Immunocompromised

EXPECTED FINDINGS

Advanced age

Postoperative

Opioid use Tobacco use

Anxiety

Weakness

adult clients

last year

Ventilator associated pneumonia (VAP):	Occurs 48 to 72 hr after endotracheal intubation
Community acquired pneumonia (CAP):	The most common type and often occurs as a complication of influenza
Health care acquired pneumonia (HAP):	Has a higher mortality rate and is more likely to be resistant to antibiotics. It usually takes more than 48 hr from the time the client is exposed to acquire HAP.

last 5 years

Sedation

Chest discomfort due to coughing

Chronic lung disease

Mechanical ventilation

Prolonged immobility

Enteral tube feeding

No pneumococcal vaccination within the

MANIFESTATIONS

Fever	Chills
Flushed face	Diaphoresis
Shortness of breath or difficulty breathing	Tachypnea
Pleuritic chest pain (sharp)	Sputum production (yellow- tinged)
Crackles	Wheezes
Dull chest percussion over areas of consolidation	Coughing
Decreased oxygen saturation levels	Purulent, blood tinged or rust colored sputum

LABORATORY TESTS	
CBC:	Elevated WBC
	(Might not be present in older adult clients)
ABGs:	Hypoxemia
	(PaO2 less than 80 mm Hg)
Blood culture:	To rule out organisms in the blood
Serum electrolytes:	To identify dehydration
Sputum culture and sensitivity:	Obtain specimens before starting antibiotic therapy
	Obtain specimen by suctioning if the client is unable to cough

DIAGNOSTIC PROCEDURES

Chest x-ray:	Will show consolidation (solidification, density) of lung tissue	
	Might not indicate pneumonia for a few days after manifestations develop	
Pulse oximetr y:	Clients who have pneumonia usually have oximetry levels less than the expected reference range of 95-100%	
NURSING CARE Position the client to maximize ventilation (high-Fowler's) unless contraindicated		

Confusion from hypoxia is a common manifestation of pneumonia in older

Administer breathing treatments & medications

Adminiter oxygen therapy

С

By harpieee cheatography.com/harpieee/

Fatigue

Published 5th January, 2019. Last updated 5th January, 2019. Page 1 of 3. Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com

Cheatography

Pneumonia Cheat Sheet by harpieee via cheatography.com/71374/cs/18469/

NURSING CARE (cont)

Monitor for skin breakdown around the ears, nose, and mouth from the oxygen device

Encourage deep breathing with an incentive spirometer to prevent alveolar collapse

Determine the client's physical limitations and structure activity to include periods of rest

Encourage fluid intake of 2.5 to 3 L/day to promote hydration and thinning of secretions, unless contraindicated due to another condition

Provide rest periods for clients who have dyspnea

Reassure the client who is experiencing respiratory distress

MEDICATIONS

Antibiotics

Bronchodilators

Anti-inflammatories

ANTIBIOTICS

Antibiotics are given to destroy infectious pathogens.

Commonly used antibiotics include fluoroquinolone, penicillins, and cephalosporins.

Antibiotics are often initially given via IV and then switched to an oral form as the condition improves.

Obtain any culture specimens prior to giving the first dose of an antibiotic. Once the specimen is obtained, the antibiotics can be given while waiting for the results of the culture.

Nursing Actions:	Observe clients taking cephalosporins for frequent stools	
	Monitor kidney function, especially older adults who are taking penicillins and cephalosporins	
Client Education :	Encourage clients to take penicillins and cephalosporins with food	
	Some penicillins should be taken 1 hr before meals or 2 hr after	

BRONCHODILATORS

Bronchodilators are given to reduce bronchospasm and reduce irritation.

Short-acting beta2 agonists, such as albuterol, provide rapid relief.

Cholinergic antagonists (anticholinergic medications), such as ipratropium, block the parasympathetic nervous system, allowing for

increased bronchodilator and decreased pulmonary secretions.

С

By harpieee cheatography.com/harpieee/

Published 5th January, 2019. Last updated 5th January, 2019. Page 2 of 3.

BRONCHODILATORS (cont)

Nursing Actions Increase fluid intake if not contraindicated (Albuterol):

	Can cause hypokalemia, insomnia, headache, or nausea
	Monitor for tremors, tachycardia, hypertension, nervousness, palpitations, and dry mouth
Nursing Actions (Ipratropium):	Observe for dry mouth and difficulty with urination
	Monitor heart rate
	Adverse effects can include headache, blurred vision, and palpitations, which can indicate toxicity
Client Education:	Reinforce teaching on how to use a metered-dose inhaler (MDI)
	Encourage clients to suck on hard candies to moisten dry mouth while taking ipratropium
	Encourage increased fluid intake unless contraindicated

ANTI-INFLAMMATORIES

Anti-inflammatories decrease airway inflammation.

Glucocorticosteroids, such as fluticasone (MDI) and prednisone (oral), are prescribed to reduce inflammation.	Monitor for immunosuppression, fluid retention, hyperglycemia, hypertension, hypokalemia, and poor wound healing.
Nursing Actions:	Monitor for decreased immunity function and infection
	Monitor for hyperglycemia
	Monitor for hypertension
	Advise the pt to report black, tarry stools
	Observe for fluid retention and weight gain
	Monitor for electrolyte imbalance

Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com

Cheatography

Pneumonia Cheat Sheet by harpieee via cheatography.com/71374/cs/18469/

ANTI-INFLAMMATORIES	(cont)

	Monitor the client's throat and mouth for aphthous lesions (canker sores)		A chest x-ray shows an area of density
Client	Drink plenty of fluids to promote hydration	Bacteremia (sepsis):	This occurs if pathogens enter the bloodstream from the infection in the lungs
Educatio n:		Acute respiratory	Hypoxemia persists despite oxygen therapy
	Take glucocorticosteroids with food	distress	
	Avoid discontinuing glucocorticosteroids without consulting provider	syndrome:	Dyspnea worsens as bilateral pulmonary edema
	Use MDI		develops that is non cardiac related
	Rinse mouth and gargle after inhaled glucocorticoids to reduce the risk of dysohonia and candidiasis		A chest x-ray shows an area of density with a ground- glass appearance
	ROFESSIONAL CARE		Blood gas findings demonstrate high arterial blood levels of carbon dioxide (hypercarbia) and pulse oximetry shows decreased saturation
	vith respiratory services for inhalers, breathing treatments, and g for airway management.		
	vith nutritional services for weight loss or gain related to		N EXERCISES
medications or diagnosis. Consult with rehabilitation care if the client has prolonged weakness and needs assistance with increasing level of activity.		1. A nurse is monitoring a group of clients for increased risk for developing pneumonia. Which of the following clients should the nurse expect to be at risk? (select all that apply)	
		A. client who h	as dysphagia
CLIENT E	EDUCATION	B. client who h	as AIDS
Continue Rest as n	medications for treatment of pneumonia	C. client who re months ago	eceived vaccines for pneumoccocus and influenza 6
	hand hygiene to prevent infection	D. client who is ambulatory after receiving a local anesthesia	
	wded areas to reduce the risk of infection	E. client who h	as a closed head injury
Receive in	mmunizations for influenza and pneumonia	F. client who h	as myasthenia graves
Stop smo		findings inclu	caring for a client who has pneumonia. Data collection Ide temperature 37.8 C (100 F), respirations 30/min, re 130/76, heart rate 100/min, and SaO2 91% on room
Atelect	Airway inflammation and edema lead to alveolar collapse and	air. Which of	the following actions is the nurse's priority?
asis:	increase the risk of hypoxemia	A. administer a	antibiotics
	The pt reports shortness of breath and exhibits findings of		oxygen therapy
		C nortorno o or	

hypoxemia

The pt has diminished or absent breath sounds over the affected area

By harpieee

cheatography.com/harpieee/

Published 5th January, 2019. Last updated 5th January, 2019. Page 3 of 3.

COMPLICATIONS OF PNEUMONIA (cont)

- C. perform a sputum culture
- D. administer antipyretic medication to promote client comfort

Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com