

Pneumonia Infection of the Mycoplasma

Mohamed Sabri Youssef*

Department of Clinical Pharmacy, Alsalam International Hospital, Kuwait City, Kuwait

DESCRIPTION

Mycoplasma pneumoniae is a common respiratory pathogen. It frequently causes a gentle sickness in older children and young adults; however it can also cause pneumonia, a disease of the lung. The microorganisms usually cause an upper respiratory tract infection with a cough and sore throat. *Mycoplasma pneumoniae* is spread from person to person from respiratory drops, for example, when somebody coughs or sneezes or somebody can also touch something that has the microorganisms on it such as a door handle, and then touch their eye, nose or mouth can be infected. *Mycoplasma pneumoniae* microorganisms commonly cause mild infections of the respiratory system (the parts of the body involved in breathing). The most common sickness caused by these microbes, especially in children, is tracheobronchitis (chest cold). *Mycoplasma pneumoniae* usually causes a mild sickness, and mortality is very low. However, severe or fulminant cases do occur, and these cases require early organization of corticosteroids, along with organization of appropriate anti mycoplasma agent.

Mycoplasma is a microscopic organisms (or microorganism) that can infect various parts of your body that impact your lungs, skin, or urinary tract, relies upon which sort of mycoplasma microorganisms is causing your disease. Due to the endemicity of contamination with *Mycoplasma pneumoniae* in susceptible populations, isolating patients is only here. In the treatment of *Mycoplasma pneumoniae*, antimicrobials against *Mycoplasma pneumoniae* are bacteriostatic, not bactericidal. Antibiotic medication and erythromycin compounds are extremely powerful. The second-age antibiotic medications (doxycycline) and macrolides are the medications of decision.

Common symptoms of pneumonia include cough that may produce mucus, fever and chills. Children younger than 5 years of old could have side effects that are different from older children, and may have the following cold-like symptoms:

- Sneezing.
- Stuffy or runny nose.
- Sore throat.

- Watery eyes.
- Wheezing.
- Vomiting.
- Diarrhea.

The essential habitats of human and animal mycoplasmas are the mucous surfaces of the respiratory and urogenital tracts and the joints in some animals. Although some mycoplasmas belong to the normal flora, numerous species are microorganisms, causing different illnesses that will generally run a chronic course. Ciprofloxacin is for the most part thought to be as a compelling treatment against *Mycoplasma pneumoniae* in light of *in-vitro* susceptibility to ciprofloxacin. In any case uncomplicated pneumonia, azithromycin is the initial medication of decision, as it covers most of the potential etiologic agents, including mycoplasma species.

People spread *Mycoplasma pneumoniae* microorganisms to others by coughing or sneezing. At the point when somebody infected with *Mycoplasma pneumoniae* coughs or sneezes, they make little respiratory droplets that contain the microbes. Others can get contaminated if they breathe in those droplets. *Mycoplasma pneumoniae* spreads rapidly through contact with respiratory liquids in jam-packed regions, similar to schools, school grounds, and nursing homes. Whenever somebody coughs or sneezes, dampness containing the microbes is delivered into the air, and others around them can without much of a stretch inhale the microorganisms in.

Transmission is remembered to require delayed close contact with an infected individual. Spread in families, schools and organizations happen gradually. The infectious period is presumably less than 10 days and incidentally longer. In spite of the fact that doctors commonly recommend most treatment regimens (i.e., both oral and parenteral) for 7-10 days, a 14 to 21 days course of oral treatment with most specialists is additional. A 5 days course of oral azithromycin is supported for the treatment of local area gained *Mycoplasma pneumoniae*.

CONCLUSION

This agent is as effective as erythromycin and other macrolides in the treatment of *Mycoplasma pneumoniae* infection. Doxycycline

Correspondence to: Mohamed Sabri Youssef, Department of Clinical Pharmacy, Alsalam International Hospital, Kuwait City, Kuwait, E-mail: drmohsabri@yahoo.com

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inhibits bacterial protein synthesis by binding with the 30S subunit and potentially the 50S ribosomal subunit of susceptible bacteria. Macrolides, tetracycline and fluoroquinolones eliminate of *Mycoplasma* efficiently both *in vivo* and *in vitro*. Macrolides are the anti-toxins of decision for treating *Mycoplasma pneumonia* diseases in both adults and in children.

Most *Mycoplasma pneumonia* infections are self-restricting; however, clinicians regularly treat pneumonia caused by *Mycoplasma pneumonia* with anti-microbial. All mycoplasmas lack a cell wall and, therefore, all are inherently resistant to beta-lactam anti-toxins (e.g., penicillin).