

# RS- Microbiology

## Archive

## Lecture 2

### Bacterial Respiratory Tract Infections (B)

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## Lecture 2

1-Useless in diagnosis If m pneumonia ?

Culture

2-Wrong about m pneumonia ?

Strong cell wall

3- A patient came to hospital with dry cough , dyspnea , chest pain < malaise and crackle sounds · the most probable caustive microorganisms

- a . Staph aureus
- b .H .inf
- c . Mycoplasma
- d . Streptococcal pneumonia

Ans :c

4- Which of the following microscopic appearances best describes Mycoplasma pneumoniae ?

- A ) Gram -positive cocci
- B ) Acid -fast bacilli
- C ) Fried egg -shaped colonies

Ans :c

5-Areas where legionella is commonly found ??

- A ) Shower aerosols that have not been used for a long time
- B ) Canned food
- C ) Unpasteurized milk

Ans :a

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6. Streptococcus pneumoniae is classified into 95 serotypes based on :

- A. Flagellar antigen
- B. Cell wall peptidoglycan
- C. Capsular polysaccharide type
- D. Lipopolysaccharide antigen

Answer c

In Mycoplasma pneumoniae infection, cross-reacting antibodies called .  
: cold agglutinins may lead to

- A. Neutropenia
- C. Hemolytic anemia
- D. Leukocytosis

Answer c

All of the following are classic characteristics of Typical Pneumonia  
:EXCEPT

- A. Sudden onset
- B. Productive cough
- C. Lobar consolidation
- D. Low-grade fever

Answer d

A patient with pneumonia shows hyponatremia and organisms seen by  
:silver stain. The most likely causative organism is

- A. Streptococcus pneumoniae
- B. Mycoplasma pneumoniae
- C. Legionella pneumophila
- D. Chlamydomyxa pneumoniae

Answer c

:The common source of infection for Legionella pneumophila is

- A. Person-to-person transmission
- B. Animal contact
- C. Soil exposure
- D. Man-made water systems

Answer d

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A 68-year-old man presents with fever, productive cough, and confusion... recently returned from a hotel stay with exposure to a hot tub. Which of the following organisms is the most likely cause

- A) Streptococcus pneumoniae
- B) Legionella pneumophila
- C) Mycoplasma pneumoniae
- D) Haemophilus influenzae
- E) Klebsiella pneumoniae

**Answer: B) Legionella pneumophila**

