

## Overview

### Micro

- ① Fastidious GNR
- ② > 50 Sub-species
  - Pneumophila 1 most common

Incubation 2-14 days

Transmission H<sub>2</sub>O

Travel-associated 25%.

↳ Fever in a returning traveler

Season > 50% in summer/autumn

## Risk Factors

All populations - ↑ Risk in

- ① ↑ Age
- ② Immunocompromised

# Legionella

## Clinical Features

### Overview

- ① Multisystem Disease  
Prominent Pulm Features
- ② Influenza-like  
↑ Temp +/- ↓ HR

### Pulm

- ① Unilobar PNA - ↑ Common
- ② Other presentations
  - Multifocal Opacities
  - Nodular/cavitary - rare

### Extra-Pulm

#### GI

- ① Diarrhea

#### Neuro

- ① Headache  
Common
- ② Encephalitis  
Rare

### Labs

- ① ↓ Na
- ② ↑ AST/ALT < 300
- ③ ↑ Cr
- ④ ↑ CPK < 5,000
- ⑤ Leukocytos +  
Lymphopenia

## D<sub>x</sub>

### Urine Ag

- ① Limited to  
Pneumophila 1
- ② Sensitivity = 70-90%.
- ③ Specificity > 99%.

### Serology

- ① Sensitivity = 50%.
- ② Specificity > 95%.

### Sputum Culture

- ① Detects all subspecies
- ② Sensitivity ~ 80%.
- ③ Specificity > 99%.

## R<sub>x</sub>

- ① Levofloxacin
- ② Azithromycin