**Overview**

- Fastidious GNR
- >50 Sub-species
  - Pneumophilia 1 most common

**Incubation** 2-14 days
**Transmission** H₂O
**Travel-associated** 25%
**Fever in a returning traveler**
**Season** 50% in summer/autumn

**Risk Factors**
- Population - ↑Risk in
  - ↑Age
  - Immunocompromised

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**Clinical Features**

**Overview**

- Multisystem Disease
- Influenza-like

**Prominent Pulm Features**

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

**Pulm**

- Unilobar PNA - ↑Common

**Extra-Pulm**

- GI
  - Diarrhea
- Neuro
  - Headache Common
  - Encephalitis Rare

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**Dx**

- Urine Ag
- Limited to Pneumophilia 1
- Sensitivity = 70-90%
- Specificity > 99%

**Serology**

- Sensitivity = 50%
- Specificity > 95%

**Sputum Culture**

- Detects all subspecies
- Sensitivity ~ 80%
- Specificity > 99%

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**Labs**

- ↓Na
- ↑AST/ALT < 300
- ↑Cr
- ↑CPK < 5,000
- Leukocytosis + Lymphopenia

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**Rx**

- LevoFlaxacin
- Azithromycin