

PJP

What

- Yeast
- Ubiquitous in Environment

Who

↓ **Immune** *universal*

HIV *Mortality 15%*

- CD4 < 200

Other *Mortality 30%*

- Immunosuppressive Meds *steroids Many others*
- Idiopathic ↓ CD4+
- Good's Syndrome

Clinical Features

Symptoms

HIV+

- Subacute *Weeks*
- Dyspnea +/- Fever
- ∅ Extrapulmonary Features

HIV-

- Acute *Days*
- Dyspnea +/- Fever
- ∅ Extrapulmonary Features

Labs

- LDH ↑ *sensitivity* ↓ *specificity*
- B-D-Glucan ↑ *sensitivity* ↓ *specificity*

Imaging

CXR

- Bilateral interstitial infiltrates
- Normal CXR *30%*

CT

- Diffuse GGOs > 95%
- Cysts *15% Upper > Lower lobe*
- ∅ Pleural Effusion

Dx

DFA *90% specific*

PCR *> 95% specific*

Induced sputum *70% sensitivity*

BAL *95% sensitivity*

DDx

GGO schema

Rx

Antimicrobial

- TMP-SMX *preferred*
- Others *separate resource*

Steroids

- Only in
- ① HIV+ and
- ② ↓↓ O₂