

HISTOPLASMOSIS

Overview

- Dimorphic Fungus
- Endemic Mycosis
- Immunocompetent + Immunocompromised

Epidemiology

Endemic in USA



But... Found Worldwide



@CPSolvers

Clinical Manifestations

PULMONARY

- ① Acute Pulmonary Histo
 - Asymptomatic
 - Flu-like illness
 - Severe → ARDS

- ② Chronic Cavitory Histo
 - A/w Emphysema
 - Thickened Bullae
 - Cavitation

- Complications
- Granulomatous Mediastinitis
 - Mediastinal Fibrosis
 - Broncholithiasis

DISSEMINATED

Infects Macrophages & forms Granulomas
 → Can Reactivate!

- Common Sx's
- Fever
 - Cytopenias
 - Hepatosplenomegaly
 - Lymphadenopathy
 - GI Involvement

Unique Features
 Adrenal Involvement
 Mucosal ulcers

But... Any organ can be involved

Risk factors

- Extremes of Age
- HIV
- Heme Malignancy
- Immunosuppressive Rx

Dx

- ① Yeast on pathology
- ② Culture
- ③ Antigen (urine/serum)
 - Best for disseminated Disease
- ④ Serology
- ⑤ PCR

Tx

Indications

- Bad Pulm Histo
- Disseminated Histo

Agents

- Amphotericin
- Azoles (itra preferred)