HISTOPLASMOSIS

Overview
- Dimorphic Fungus
- Endemic Mycosis
- Immunocompetent + Immunocompromised

Epidemiology
- Endemic in USA
  - But... Found Worldwide

Clinical Manifestations

PULMONARY 🦖
1. Acute Pulmonary Histo
   - Asymptomatic
   - Flu-like illness
   - Severe → ARDS
2. Chronic Cavitary Histo
   - A/w Emphysema
   - Thickened Bullae
   - Cavitation

DISSEMINATED 🦖
- Infects Macrophages & forms Granulomas
- Can Reactivate!
- Fever
- Cytopenias
- Hepatosplenomegaly
- Lymphadenopathy
- GI Involvement
- Unique Features
  - Adrenal Involvement
  - Mucosal ulcers

Complications
- Granulomatous Mediastinitis
- Mediastinal Fibrosis
- Broncholithiasis

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)