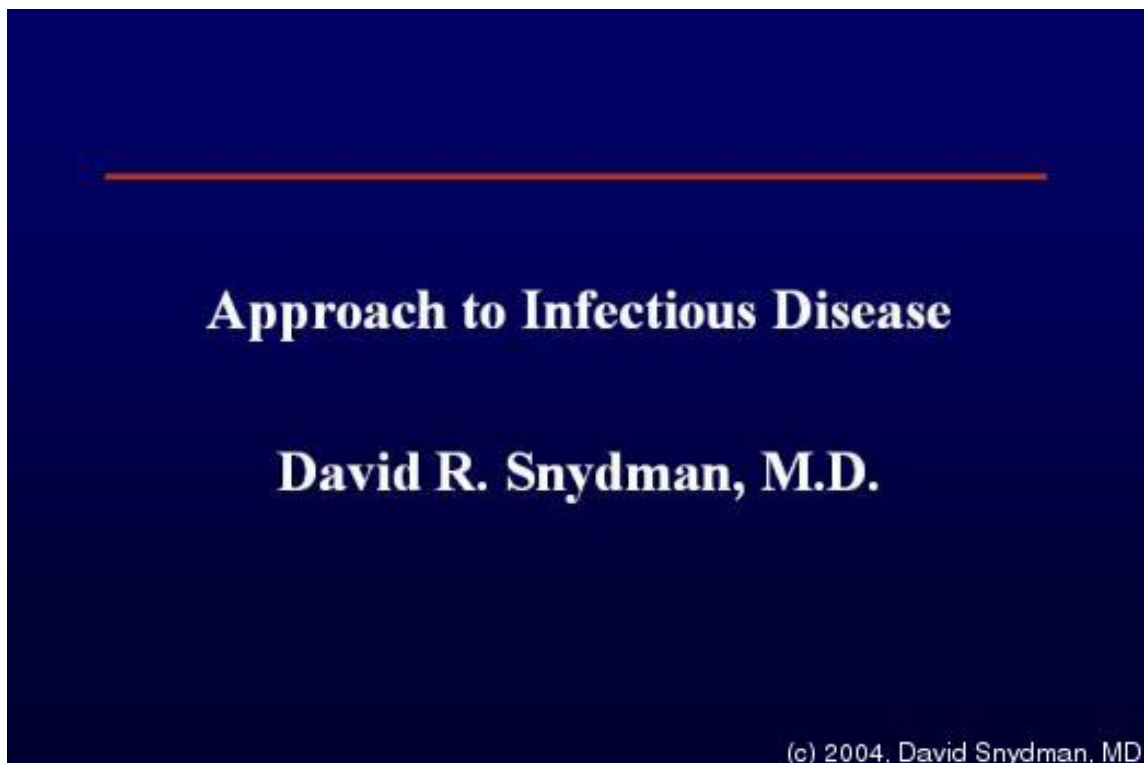
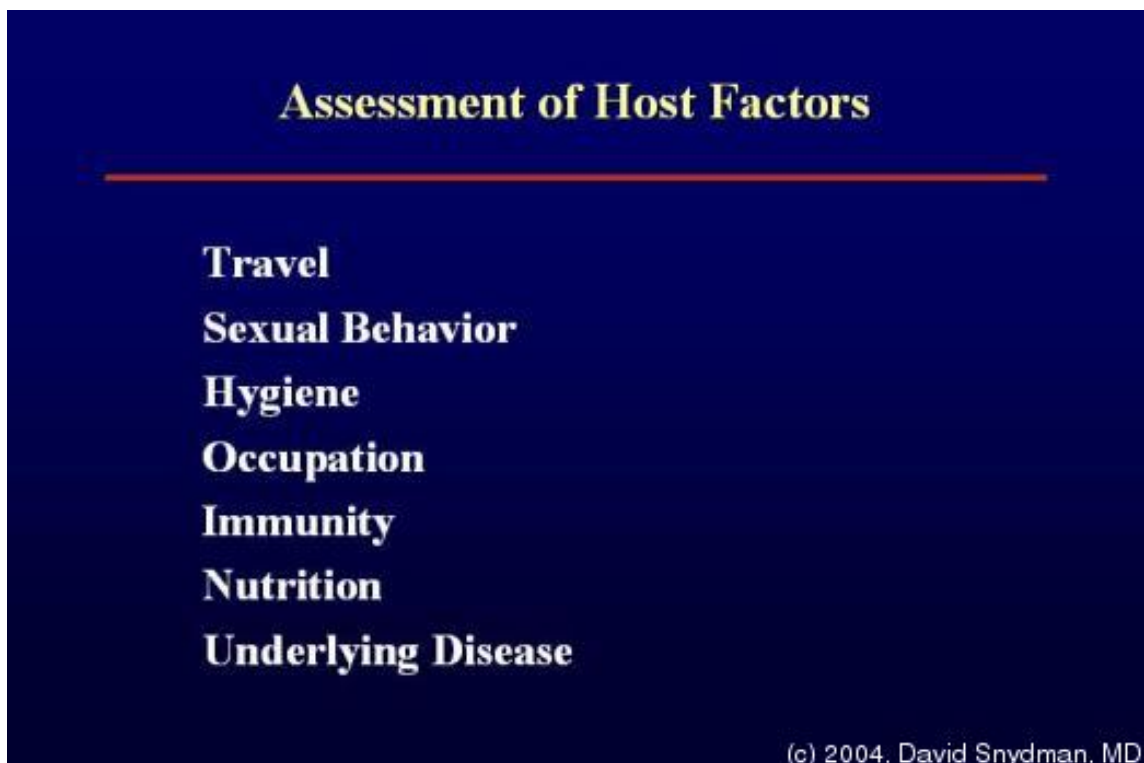


1. Approach to Infectious Diseases: Introduction Slide



2. Assessment of Host Factors



3. Agent Factors

Agent Factors

Virulence
Infectivity
Drug Resistance
Colonization
Carrier State

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4. Environment

Environment

Temperature
Dust
Humidity
Zoonoses

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5. Transmission of Infection

Transmission of Infection

Airborne
Vector
Direct Contact
Indirect
Ingestion

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6. Specimens for Analysis

Specimens for Analysis

Antibody Tests

Molecular detection
PCR, etc.

Immunoblot
Antigen Detection

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7.

Microscopy and Stains



Microscopy and Stains

- Direct Smear**
- Gram Stain**
- Acid-Fast**
- Special Preps**
- India Ink**
- Giemza**

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8.

Specimens for Analysis in Infections




Specimens for Analysis in Infections

- Body Fluids**
 - Blood**
 - Urine**
 - Sputum**
 - Pus**
 - Stool**
 - Throat**

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9.

Microbiology Laboratory



Microbiology Laboratory

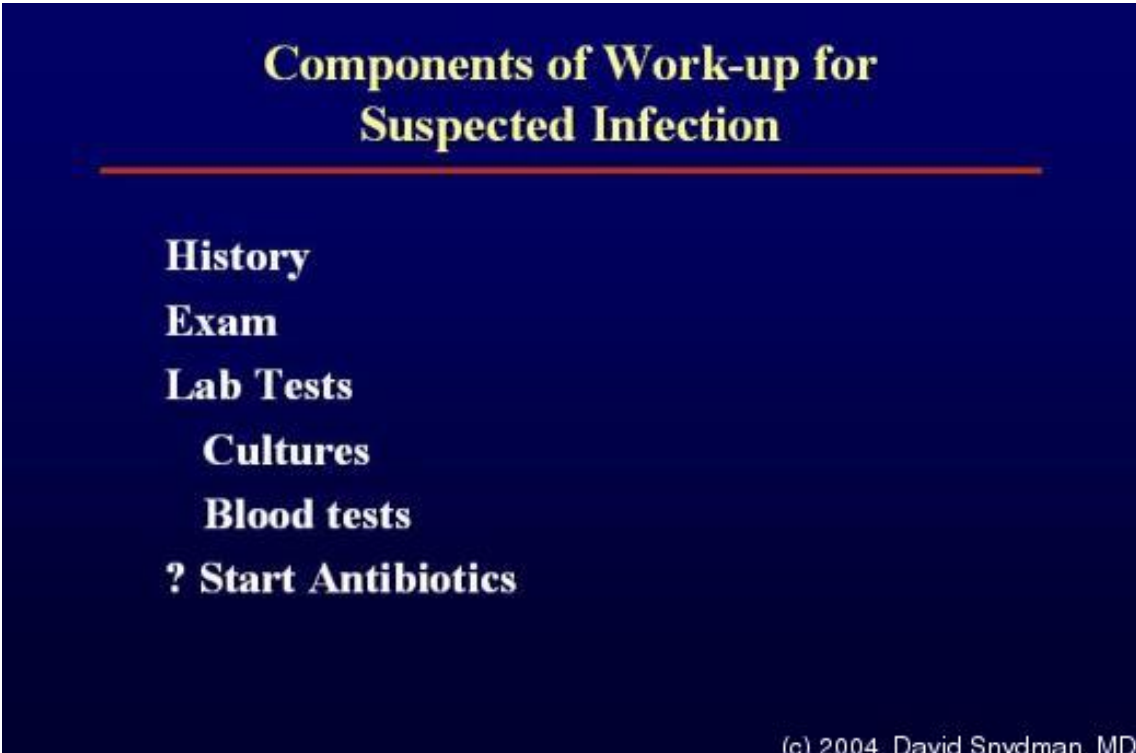
Culture, Identification Sensitivity

- Bacteria
- Virus
- Mycobacteria
- Fungus
- Parasites

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10.

Components of Work-up for Suspected Infection



Components of Work-up for Suspected Infection

History

Exam

Lab Tests

- Cultures**
- Blood tests**
- ? Start Antibiotics**

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