Training Manual on Tuberculosis for Virginia Tech Adult Day Services’ Staff

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Outline

- Occurrence
- Mantoux Skin Test
- Organism
- Reservoir
- Famous People with TB
- Transmission
- Control
- HIV/AIDS and TB
Occurrence

• One-third of world population affected.
• In 2004, WHO estimated greatest number infected in South East Asia.
Mantoux Tuberculin Skin Test

- Usually done on the inner surface of forearm.
- It is a Screening Test.
- Can reveal if person has been infected.
- Must be read within 48 to 72 hours
- Positive skin test = Palpable, hard, raised area on the injected site.
Organism

- Mycobacterium Tuberculosis
- Acid Fast Bacilli
- Therefore, treatable with antibiotics DOTS (Directly Observed Treatment Short Course)
Reservoir

- Only Humans
Famous People with Tuberculosis:

- John Keats
- Charlotte Bronte
- Anne Bronte
- Frederick Chopin
- Robert Louis Stevenson
- Nelson Mandela
Spread of Tuberculosis

- Can occur when someone with active TB does:
  - Coughing- Greatest spread of droplet nuclei especially in a poorly ventilated room, bus or other enclosure.
  - Spitting, singing, talking, sneezing, laughing
Control

• Proper Coughing and Sneezing Technique
• Good Housing
• Improved Nutrition
• Avoid Overcrowding
• Immunization; BCG vaccine in some countries
Control Continued

- DOTS-Directly Observed Treatment Short Course Therapy
- Periodic TB Skin Tests for Staff working with people in the extremes of life; the elderly, the very young
- Periodic TB Skin Tests for staff working with the immunocompromised
HIV/AIDS and TB

- One of the most serious threat to mankind.
- Organism may persist for years in immuno-competent person.
- Break down of immunity-overt TB
Thank You!!!