

### **GIDEON update**

This site describes the software program called GIDEON (update # 95.4 December 1, 1995). It is used to diagnose unusual diseases, including anthrax. This is based on exposure history as well as basic signs and symptoms.

*<http://www-leland.stanford.edu/~blackman/gideon/whatsnew/wn9504.txt> - size 7K - 15 Nov 95*

### **Bacillus spores**

This site reviews research and history of B. anthracis spores. Spores released from animal exudates contaminate soil in an area for many years. Pathogenesis: Spores enter body through abrasions in skin or oral/intestinal mucosa (localized, or may enter blood for systemic infection) germinate and multiply. Wool Sorter's Disease pulmonary disease is seen in persons sorting infected sheeps' wool or goats' hair. It is reported that biological warfare material in the form of aerosolized anthrax spores caused 50 deaths in Soviet Union due to an explosion at a bio-warfare research facility.

*<http://salk.utmem.edu/classes/micro/Bacillus.html>*

### **UV Decontamination**

This site details research about the amount of UV energy needed to kill bacteria. Ultraviolet energy levels in microwatts at wavelength of 254 nanometers required for 99.9% destruction of various microorganisms were measured. The UV energy in microwatt-seconds per square centimeter for cell death were 8500 for Agrobacterium tumefaciens and 8700 for B. anthracis.

*<http://www.pura.com/bacteria.htm>*