Multiple Drug Resistance Case Study

A*cinetobacter baumannii* is a gram-negative bacterium commonly found in soil and water. It has occasionally been linked with health-care-associated infections. Among hospitalized patients, infections caused by *A. baumannii* have become increasingly difficult to treat due to an increasing number of isolates showing multiple drug resistance. Military medical facilities have seen an increasing number of patients with bloodstream infections caused by *A. baumannii.* Many of these patients had received traumatic injuries in Irag, Kuwait, or Afghanistan. Antimicrobial testing of isolates from patients being treated at Landstuhl Regional Medical Center in Germany and Walter Reed Army Medical Center in the District of Columbia showed widespread resistance to antimicrobials commonly used to treat this organism.

* *What could be the source of the infections seen in the military facilities?*
* *What do we call infections that are acquired in a medical setting?*
* *What is the significance in these isolates being resistant to multiple antibiotics?*