

Antibiotic Resistance: Review

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Abstract

Emergence of resistance for antibiotics in bacterial pathogens is a serious issue that causes significant morbidity and death. Multidrug resistance patterns in Gram-positive and Gram-negative bacteria are difficult to treat and may render regular antibiotics ineffective. There are now fewer effective medicines, fewer effective prevention measures, inappropriate antibiotic use, and just a few new antibiotics, necessitating the creation of novel treatment alternatives and alternative antimicrobial therapies. Biofilms contribute to multidrug resistance and can make infection control more difficult. There is more information about pathogenicity, *Staphylococcus aureus*, *Clostridium* infection, and vancomycin-resistant bacteria.