Mechanisms of Antibiotic Resistance

Abstract (300 word limit)

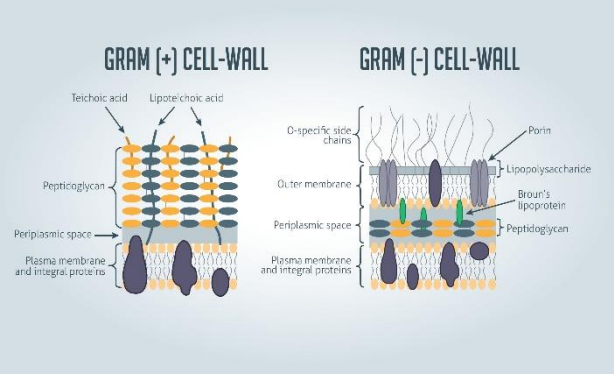
Antibiotics have become one of the most important medical discoveries needed for the complex medical approaches such as solid organ transplantation and management of patients with cancer, among others.

Unfortunately, with an increase in using antibiotics, it increases resistance too among common bacterial. pathogens are now threatening this therapeutic accomplishment.

In fact, the World Health Organization has named antibiotic resistance as one of the three most important public health threats of the 21st century.

Resistance can be naturally as in gram-negative against Penicillin and it can be accompanied as in gene mutation like gene responsible to release beta-lactamase to destroy beta-lactam antibiotics.

Image



Recent Publications (minimum 5)

1. World Health Organization. 2014. Antimicrobial Resistance: Global Report on Surveillance 2014. WHO, Geneva Switzerland. http://www.who.int/ drugresistance/documents/surveillancereport/ en/.

2. Cosgrove SE. 2006. The relationship between antimicrobial resistance and patient outcomes: mortality, length of hospital stay, and health care costs. Clin Infect Dis 42(Suppl 2):S82–S89.

3. DiazGranados CA, Zimmer SM, Klein M, Jernigan JA. 2005. Comparison of mortality associated with vancomycin-resistant and vancomycin-susceptible enterococcal bloodstream infections: a meta-analysis. Clin Infect Dis 41:327–333.

4. Sydnor ER, Perl TM. 2011. Hospital epidemiology and infection control in acute-care settings. Clin Microbiol Rev 24:141–173.

5. Centers for Disease Control and Prevention. 2013. Antibiotic Resistance Threats in the United States. Centers for Disease Control and Prevention, 2013. CDC, Atlanta, GA. http://www.cdc. gov/drugresistance/threat-report-2013/index. html.

Biography (150 word limit)

Fatima Medhat, Pharmacy Student in mansoura University, in last year, In March 2020 I participated in the eighth scientific conference held in my university every year and my topic was about the MRSA

Email:fatimamedhat777@gmail.com

Notes/Comments: