

Study of the Interaction of Antibiotics, Phages Purulent-Inflammatory Infections

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Literary Review: The last 20 years has seen a sharp rise in inflammatory diseases caused by Gram-positive and Gram-negative bacteria that are clinically purulent-inflammation of a revealed sepsis. Uncontrolled and unnecessary use of antibiotics has caused antibiotic-resistant strains to emerge and spread. I some parts of the world during the century the latest bacteriophages used for therapeutic purposes. Discovery macrophages therapeutic use of antibiotics in the Unites States and Western Europe aside and extended studies in this direction are redused. Nevertheless, phagotherapy continues in Estern Europe and in Georgia, Tbilisi. My research on the interrelationship between bacteriophage the different classes of antibiotics. The main part pf this study deals with the theoretical and practical treatment of infectious diseases, antibiotics are completely unstudied macrophages and joint of the advantages and disadvantages, that is why it was chosen for my research direction.

Efforts are aimed:

1. Studied the interaction of antibiotics with infectious disease-causing microorganisms, as well as the propagation of selected groups of macrophages and macrophages use of antibiotics could be evaluated in detail.
2. Prulent-inflammatory diseases against. The microbes take before and after treatment as well as after the newly separatebe by.
3. To determine strains and sensitivity antibiotics and phages (complex and slave) to the drug.

Methods:

1. Determine the in vitro effect of antibiotics in macrophages by pathogenic stains of the breeding cycle of a well characterized. The determination of antibiotics and phage sensitivity.
2. Macrophages treated wuth antibiotics and detailed review of each case.

Results : Was studied in laboratory conditions, different (jaw-facial Surgery, Burn Center, Insurance Company "Imedi L"- a Clinic in the city Gori, Centre Phagetherapy, "Diagnozi 90")clinics from bacterial strains on phages and antibiotics (both separately and in combination) sensitivity testing.

Conclusion: The widespread purulent infections (purulent and - jaw-facial Surgery, dentistry, gynecology) in the treatment is necessary to find new ways namely: phages and the conbined use of antibiotics.