

Klebsiella pneumoniae: BLSE productive isolated in Annaba city hospitals

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Abstract: Hospital infections represent a major health problem due to their economic and human impacts. During the realization of this work and investigation has been done at different services of university hospitals of Annaba city. The survey consisted in the collection 100 stumps of *K.pneumoniae*, an enterobacteria that belongs to the KES group endowed of an importance in hospital infections. The investigation has revealed the incrimination of a number of stumps among the set of isolated ones, which were identified as well from patients hospital environment. Test of detection of stumps of *K.pneumoniae* produces of BLSE has shown that 35% of stumps are collected from pathological products and hospital environment. The survey of the behaviour of these stumps of antibiotics showed that they present a high level of resistance. The evolution of this multi-resistant bacteria is in a narrow relationship with bacterial ecology in our hospital surroundings must be followed in order to establish the necessary means to fight the Gram negative diffusion in the hospital environment.

Keywords: Bacteria; *K.pneumoniae*; BLSE; hospital environment.