New Delhi metallo-beta-lactamase NDM-1 producing *Klebsiella pneumoniae* in Slovakia

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The rapid spread of NDM-1-positive bacteria proved to be a major challenge for the treatment and control of infectious diseases. The aim of our study was to confirm the presence of carbapenemases in the Slovak Republic by applying molecular-based detection methods. This paper is the first report on the detection of MBL NDM-1 in Slovakia. We describe four patients infected with multi resistant strain of *Klebsiella pneumoniae* hospitalized at I.st Department of Anaesthesiology and Intensive Care Unit of the University Hospital L. Pasteur Kosice. In these cases the New Delhi metallo-beta-lactamase 1-producing Enterobacteriaceae was rapidly detected by phenotypic and genotypic methods. The rapid spread of NDM-1-positive bacteria proved to be a major challenge for the treatment and control of infectious diseases.

Biography

V Lovayova has completed her PhD degree at the age of 38 years from The University of veterinary medicine and pharmacy in Košice. She has been working as a researcher at Department of Medical and Clinical Microbiology, Faculty of Medicine, University of P.J. Šafarik in Košice, Slovakia. She has published more than 68 papers in domestic and international reputed journals.

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