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Toronto, Canada**Molecular and phenotypical characterization of *Mannheimia haemolytica* isolated from goats in Baghdad province****Waffa A Ahmed**

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M*annheimia haemolytica* (*M. haemolytica*) is a Gram-negative bacterium, which can infect humans and animals. It's commensal as a normal flora of the nasopharynx and tonsils in cattle, sheep and goats, pneumonic pasteuriosis is one of the most economically important infectious disease in goats with a worldwide prevalence. This study aimed to investigate the incidence of *M. haemolytica* by bacteriological and molecular characterization in goats. One hundred nasopharyngeal swabs were collected from apparently healthy farm goats, seven lung tissue specimens and five nasal mucus swabs from slaughtered goats in Baghdad. All samples were cultured on Blood and MacConkey agars. Biochemical tests and EPI20E kit were used for identification of the suspected colonies. 5(4.46%) isolates of *M. haemolytica* were identified phenotypically and confirmed diagnosis by polymerase chain reaction (PCR) technique using two primers 16s rRNA and 12s rRNA

genes. The results of this study concluded that identification of *M. haemolytica* by PCR was in accordance with those of phenotypic test and use of more than primer could improve identification of isolates.

Speaker Biography

Waffa A Ahmed is from the University of Baghdad. She has worked as the head of Department of Quality Control, Veterinary State Company, Ministry of Agriculture, (2005-2006). She has worked for eight years as Assistant Professor and Scientific Researcher in Unit of Zoonotic researches, (2006-2014), also in Department of Microbiology (2014-2017), College of Vet. Medicine, University of Baghdad. She had participated in several scientific conferences in Iraq and global conferences in USA, Canada, Germany and Egypt. Also, she had many invitations from many conferences. She has participated in many examining committees for Post-graduate students in Baghdad University and other universities in Iraq. She has taught more than seven courses for Under and Post-graduate students (Diploma, MSc and PhD) in pathology, microbiology, and zoonotic diseases in college of Vet. Med. She has published more than 30 papers in reputed journals and has been serving as an Editorial Board Member of Research Journal of Biology, and reviewed more than 100 articles in about seven journals and more than 20 theses (scientific evaluation).

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