

عنوان مقاله:

Prevalence of klebsiella spp. in poultry with colibacillosis in Sistan region, Iran

محل انتشار:

کنفرانس بین المللی کشاورزی، محیط زیست و منابع طبیعی در هزاره سوم (سال: 1396)

تعداد صفحات اصل مقاله: 5

نویسندگان:

امیر سجاد جعفری نوزاد - دانشجوی دکتری دامپزشکی، دانشکده دامپزشکی، دانشگاه زابل، زابل، ایران

سحر اسدالهی زوج - دانشجوی دکتری دامپزشکی، دانشکده دامپزشکی، دانشگاه زابل، زابل، ایران

سعید سالاری - استادیار گروه پاتوبیولوژی، دانشکده دامپزشکی، دانشگاه زابل، زابل، ایران

خلاصه مقاله:

Introduction: Klebsiella as a part of normal intestinal flora could act as a source to transfer antibiotic resistance and virulence genes increasing virulence in the entrobacteriaceae family. On the other hand, meat is an important source for human infection with klebsiella. Although, Escherichia coli is described as causative agent of poultry Colibacillosis but secondary infection caused by klebsiella could be possible. The aim of this study was to determine the prevalence of klebsiella spp. in poultry with colibacillosis regarding to Sistan region, Iran. Material and Method: as a cross-sectional survey, a total number of 05 poultry with colibacillosis were collected in Sistan. After taking history and evaluation of clinical symptoms, necropsy was performed in Clinic of Faculty of Veterinary Medicine, University of Zabol, from kidney and liver, aseptically. Sampling was done with high precision and assurance to prevent external pollution. Laboratory verification of Klebsiella spp. carried out in Microbiology Department of Faculty of Veterinary Medicine, University of Zabol via differential and selective medium. Results: Our survey showed that poultry with colibasillois in Sistan region were infected with klebsiella as secondary infection. Also, the results indicated that the prevalence of klebsiella spp. in poultry with colibasillois in Sistan region was %65. Discussion: klebsiella spp. can spread rapidly and causes clinical infection in human and animals. The source of this transmission could originate from sick or dead animal. Regarding to the high prevalence of this organism in poultry with colibasillois, in Sistan region, it is wisely to investigate virulence factors of klebsiella as normal flora in poultry industries in Sistan. Also, we concluded that rapid and accurate purgation of dead poultry by colibacillosis could be helpful to increase human health.

کلمات کلیدی:

Colibacillosis, Klebsiella spp., Poultry, Prevalence, Sistan

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/638004>



