

عنوان مقاله:

Prevalence of *Campylobacter* spp. Among Broiler Carcasses at Industrial Slaughterhouses in Hamedan, Iran

محل انتشار:

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نویسندگان:

Seyedeh Sahar Mirmoeini - *Department of Food Hygiene and Quality Control, Faculty of Veterinary Science, Bu-Ali Sina University, Hamedan, Iran*

Abbas Ali Sari - *Department of Pathobiology, Faculty of Veterinary Science, Bu-Ali Sina University, Hamedan, Iran*

Ali Goudarزتalejerdi - *Department of Pathobiology, Faculty of Veterinary Science, Bu-Ali Sina University, Hamedan, Iran*

Mohammadreza Pajohi Alamoti - *Department of Pathobiology, Faculty of Veterinary Science, Bu-Ali Sina University, Hamedan, Iran*

Hamid Staji - *Department of Pathobiology, Faculty of Veterinary Medicine, Semnan University, Semnan, Iran*

خلاصه مقاله:

Background & Aims: Today, food-borne diseases are known as one of the most important public health concerns in many countries. *Campylobacter* is one of the most prevalent food-borne pathogens. Raw chicken meat has been reported as the main source of human campylobacteriosis. The present study was conducted to investigate the prevalence of *Campylobacter* species among broiler carcasses at industrial slaughterhouses in Hamedan province, west of Iran. **Materials and Methods:** Totally, 100 samples were collected using sterile swabs from chicken skin at the post-scalding stage. The samples were enriched in Brucella broth containing *Campylobacter* selective supplement and incubated at 42°C for 48-72 hours under microaerophilic conditions. The molecular detection and identification of *Campylobacter* species were performed by the polymerase chain reaction (PCR) using *cadF* and *Hip* primers for detecting *Campylobacter* species and *Campylobacter jejuni*, respectively. **Results:** The results of this study revealed that 81% and 31% of broiler carcasses were positive for the presence of *Campylobacter* species and *C. jejuni*, respectively. **Conclusion:** Due to the high contamination rate of chicken meat with this pathogen, precise hygienic control of poultry meat and an increase in consumer awareness seem necessary to decrease human campylobacteriosis. Foodborne diseases, *Campylobacter*, Public health, Chickens, Abattoirs

کلمات کلیدی:

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