



P61 - 325: PREVALENCE OF SALMONELLA SEROGROUPS IN CHICKEN MEAT OF ARDABIL, NORTHWEST OF IRAN

Aidin Azizpour¹, Ciamak Ghazaei ², Zahra Amirajam ³, Rahem Khoshbakht⁴

1. Assistant Professor, University of Mohaghegh Ardabili, Ardabil, Iran
2. Assistant Professor of Microbiology, University of Mohaghegh Ardabili, Ardabil, Iran
3. Assistant Professor of Cardiology, Ardabil University of Medical Sciences, Ardabil, Iran
4. Assistant Professor, Amol University of Special Modern Technologies, Amol, Iran

Background and Aim:Salmonellosis is one of the most common digestive diseases in the world. Salmonellosis is caused by varieties of salmonella serotypes and there are concerns about the contamination of poultry and its products by this microorganism. The purpose of this study was to investigate the prevalence of Salmonella serogroups in chicken meat of Ardabil, northwest of Iran.

Methods:One-hundred chicken meats were collected from chicken carcass retailers between January and March 2018. Salmonella spp were isolated from suspected positive cultures. Then, they were identified and confirmed by means of biochemical and serological tests.

Results:Salmonella was isolated from 6 samples (6%). Serogrouping results revealed that 66.7 % of samples belong to serogroup C and 16.6% of them were serogroup D and 16.6% serogroup B.

Conclusion:The results of this study show that the dominant serogroup was C .This finding is important for public health. Applying a health strategy for reduction of contamination level is necessary.

Keywords:Salmonella, Chicken Meat, Serogroups, Ardabil