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**Title:** Evaluation of Listeria monocytogenes in Milk used in Firuragh Village of Khoy City in the Year 1389

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**Abstract:** Background and Objectives: Listeria monocytogenes is a non spore-forming intracellular rod and is transmitted through contaminated vegetables and dairy. Epidemiologic studies have shown that this bacterium is the agent of abortion and fetal abnormalities in human. A large number of individuals are exposed to high risks of this disease needing proper information to avoid it. The goal of this study has been to evaluate Listeria monocytogenes contamination in milk used in Firuragh Village of Khoy City.

Material and Method: This survey was done in sections in the year 1389 by choosing 80 milk samples from different dairy product stores of Firuragh Village of Khoy City. After collecting, samples were transported to the laboratory for characterization and isolation and after culturing on blood agar medium, were examined to detect Listeria monocytogenes contamination and the results were analyzed statistically.

Results: The results have shown that from the samples provided, 7 samples (8.75%) are contaminated and 73 samples (91.25%) are not contaminated by Listeria monocytogenes.

Conclusion: Considering the point that milk and dairy products count for an important part of food cart of society’s individuals and from the other side the elderly and the people possessing inefficient immune system are the best hosts to support the growth of this bacterium, the essence of more care in production and stocking of milk seems essential. Noting that the pasteurization process causes killing of this pathogen agent, the problems born by this pathogen agent should be avoided by efforts to conduct this process better and through preventing from usage of non pasteurized milk.

**Listeria monocytogenes, Milk, Firuragh**

**Presentation:** Poster