

عنوان مقاله:

The Study of Antibiotic Residues in Raw and Pasteurized Milk in Gilan Province

محل انتشار:

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خلاصه مقاله:

Background and Aims: Antibiotics are known as the most useful and effective drugs in the treatment of infectious diseases in humans and animals. The indiscriminate use of antibiotics directly or indirectly, for instance through raw animal products such as milk, can cause health problems in human societies. The specific aim of this study was to determine the level of antibiotic residue in raw and pasteurized milk in Gilan province. Materials and Methods: In this study ۳۰ pasteurized milk samples of randomly selected brands and ۵۷۰ raw cow milk samples from milk collection centers in ۱۵ cities of Gilan province were collected. The samples were analyzed by coupon test. Results and Conclusions: Antibiotic residue was observed in ۱۷۹ (۳۱.۴%) and ۱۸ (۶۰%) samples out of the ۵۷۰ raw and pasteurized cow milk samples, respectively.. According to dairy per capita consumption in Gilan province, this rate of contamination affects a considerable part of the population. It can therefore be concluded that the contamination of dairy products to residual antibiotic can be considered an important factor threatening human health and should be considered in the quality control of milk and dairy products.

کلمات کلیدی:

Antibiotic Residues, Raw milk, Pasteurized milk, باقی مانده آنتی بیوتیک, شیر خام, شیر پاستوریزه

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