

Perception of Food Safety and Prevalence of Staphylococcus aureus and Salmonella species Carriers among Fayoum University Food handlers

Abstract

Abstract: Foodborne diseases encompass a wide spectrum of illnesses especially in developing countries.

Aims: This study aimed to investigate food handlers' knowledge, attitude and practices about food safety in four restaurantsin Fayoum University and to assess the carrier rate of *S aureus* and *Salmonella* spp. also determination of the totalviable count, and level of hand contamination with *E. coli*, other members of Enterobacteriaceae as well as otheraerobic Gram-negative bacteria.

Methods: A cross- sectional, descriptive, observational study was conducted among Y • 9 Fayoum University food handlers serving four main kitchens at the University. The food handlersinterviewed using a pre-tested questionnaire included three main topics regarding knowledge, attitude and practicesof food safety. Data collectors observed food handlers' to collect information on food preparation, handling and thesanitary condition of the facilities. Microbiological samples were collected from <code>\omegash healthy food handlers includingswabs from throat, each nostril, stool and urine samples followed by culturing on proper media, also determine ofthe total bacterial count and hand contamination by fingerprint culture technique.</code>

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