Frequency of Dermatophytosis in Wrestling and Bodybuilding Halls in Challous, 2010

Forghani, F. (MSc)  
MSc of Microbiology, Young Researchers Club, Islamic Azad University, Tonekabon Branch, Iran

Nasrollahi Omran, A. (PhD)  
Assistant Professor of Medical Mycology, Faculty of Medicine, Islamic Azad University, Tonekabon Branch, Iran

Kouchaki, M. (MSc)  
MSc of Microbiology, Biology Department, Faculty of Biology Sciences, Islamic Azad University, Tonekabon Branch, Iran

Mirzaie, A. (MSc)  
MSc of Microbiology, Biology Department, Faculty of Biology Sciences, Islamic Azad University, Tonekabon Branch, Iran

Corresponding Author: Nasrollahi Omran, A.  
Email: Ayat51@yahoo. Co.in

Received: 12 Jun 2012  
Revised: 6 Apr 2013  
Accepted: 22 Apr 2013

Abstract

**Background and Objective:** One of the most common diseases of keratin tissues is dermatophytosis caused by dermatophyte fungi. Because of being contagious, it has a high prevalence rate in wrestling and body building gyms. This study was designed to evaluate the process of this disease and improve the hygiene of halls.

**Material and Methods:** The Samples (N= 540) were obtained from athletes and gyms, and a questionnaire was used to gather information. To identify various species of dermatophyte, the routine diagnostic procedures, culture media, and supplementary tests were performed.

**Results:** Of samples taken from athletes, 59 wrestlers and 11 body builders suffer from dermatophytosis. Trichophyton tonsurans (%28.81) and Epidermophyton floccosum (%36.36) are the main isolates in wrestlers and body builders. Also the rate of epidermophyton floccosum (%37.5) is the highest in the samples taken from gym mats and halls.

**Conclusion:** Because of high prevalence of dermatophytosis, pay attention to increase of hygiene and training courses for coaches and athletes are crucially important.

**Keywords:** Dermatophytosis; Wrestling and Body Building Halls; Challous