

Dermatophytic species Isolated in Wrestling Gyms and Swimming Pools of Kermanshah, Iran

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Abstract

Background and objectives: Dermatophytosis, which is one of the most common human infections, is a communicable disease mainly transmitted by human. Lifting and wrestling gyms and Swimming pools have high potential to transfer this infection; therefore, we decided to perform this descriptive study.

Materials and methods: 1030 Samples taken from different parts of lifting and wrestling gyms and swimming pools were cultured in dermatophytic medium (mycobiotic agar) incubated to a temperature of 30 degrees centigrade and with macroscopic and microscopic character dermatophytes spp were established.

Results: of 300 samples taken from wrestling gyms, four Epidermophyton floccosum and of 700 Samples taken from Swimming pools four Epidermophyton floccosum and one Trichophyton Verrucosum were isolated but all Samples of Weight lifting gyms were negative.

Conclusion: Epidermophyton, which is the most common Dermatophyte Isolated from sport gyms, is the main cause of Skin infections; There fore, by preventing infected persons from using these public places and considering the hygienic points can reduce dermatophytosis.

Key word: Pool, Sport gyms, Kermanshah, Dermatophyte Journal of