

## Skin Infections in Wrestlers

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### Why is this important?

Skin infections in athletes are very common. They are especially common in wrestlers because of the close skin-to-skin contact that the sport requires. For this reason, it is very easy to spread infection amongst teammates and competitors. Skin infections frequently result in lost time from practice and competition. It is important to have regular skin checks and to have any suspicious lesion evaluated by a doctor so that the athlete can have proper treatment.

### What are the common infections?

#### Herpes Gladiatorum



In wrestlers, herpes simplex virus (HSV) can cause skin lesions called Herpes Gladiatorum (HG). This infection is typically spread by skin-to-skin contact. HG are small groupings of painful vesicles, or small blisters, surrounded by red inflamed skin. This type of infection can have other symptoms which include sore throat, fever, fatigue and enlarged lymph nodes. It needs to be treated with antiviral medication. Wrestlers who have their first HG infection must be treated for at least 10 days prior to returning to competition.

#### Molluscum Contagiosum



Molluscum is a viral infection that is common among wrestlers. It is characterized by small, round, raised, skin colored lesions and is

spread by skin-to-skin contact. In order to prevent spread of the infection, there are several treatments that can be used. Your doctor may prescribe a topical medication like salicylic acid or a retinoid or they may use cryotherapy (liquid nitrogen) to freeze the lesions, or curettage which involves scraping off the lesion. Once the lesions have been curetted and covered, wrestlers may return to play immediately.

#### MRSA



Methicillin Resistant Staph Aureus (MRSA) is a serious bacterial infection that is becoming more common. These lesions can start as a small "pimple", but become large, red, warm and painful. These often require a doctor to perform an incision and drainage, along with antibiotics. To return to play, all lesions must be scabbed over, and the wrestler must have been treated with antibiotics for at least 72 hours.

#### Impetigo



Impetigo is a bacterial infection caused by staph or strep. It is typically characterized by small vesicles or blisters that ooze and have honey-colored crusts. This infection can be treated with either topical or oral antibiotics. Wrestlers may return to play if all lesions are crusted over and no new lesions have appeared in the last 48 hours. Also, the wrestler must be treated with antibiotics for at least 72 hours before returning to competition.

#### Fungal Infections



Fungal infections are common in wrestlers, including tinea corporis (on the body) and tinea capitis (on the scalp). Tinea corporis (aka ringworm) is a sharply demarcated, red, scaly, circular plaque with central clearing, located on the body. Tinea capitis is a red, scaly plaque seen on the scalp that can lead to hair loss. Uncomplicated tinea corporis can be treated with a topical antifungal cream for 2 weeks. For tinea capitis or extensive tinea corporis, oral antifungals are recommended. For skin lesions, the athlete must be treated 72 hours prior to returning to play. For scalp lesions treatment is 2 weeks. Lesions should then be covered prior to participation.

### How can these infections be prevented?

- Good hygiene practices are very important for preventing the spread of infections.
- Athletes should shower after every practice and game with antimicrobial soap and water.
- Athletes should not share towels, athletic gear, disposable razors or hair clippers.
- Practice clothing and uniforms should be laundered daily.
- Cleaning and disinfection of frequently touched surfaces such as wrestling mats, treatment tables, locker room benches and floors should be done on a regular basis.
- Athletes should have frequent skin checks; any suspicious lesion should be evaluated by an athletic trainer or doctor to help prevent the spread of infection.

\*Herpes, Molluscum, Impetigo & Fungal infection photos courtesy of ©Nationwide Children's Hospital.

MRSA photo courtesy of the CDC & Gregory Moran, M.D.