(*tinea pedis*) is the most common dermatophyte infection and is often chronic; it is characterized by variable erythema, edema, scaling, pruritus, and occasionally vesiculation. The infection may be widespread or localized but generally involves the web space between the fourth and fifth toes. Infection of the nails (*tinea unguium* or *onychomycosis*) occurs in many patients with tinea pedis and is characterized by opacified, thickened nails and subungual debris. The distal-lateral variant is most common. Proximal subungual onychomycosis may be a marker for HIV infection or other immunocompromised states. Dermatophyte infection of the scalp (*tinea capitis*) continues to be common, particularly affecting inner-city children but also affecting immunocompromised adults. The predominant organism is *Trichophyton tonsurans*, which can produce a relatively noninflammatory infection with mild scale and hair loss that is diffuse or localized. *T. tonsurans* and *Microsporum canis* can also cause a markedly inflammatory dermatosis with edema and nodules. This latter presentation is a *kerion*.

The diagnosis of tinea can be made from skin scrapings, nail scrapings, or hair by culture or direct microscopic examination with KOH. Nail clippings may be sent for histologic examination with periodic acid–Schiff (PAS) stain.

TREATMENT

Dermatophytosis

Both topical and systemic therapies may be used in dermatophyte infections. Treatment depends on the site involved and the type of infection. Topical therapy is generally effective for uncomplicated tinea corporis, tinea cruris, and limited tinea pedis. Topical agents are not effective as monotherapy for tinea capitis or onychomycosis (see below), and nystatin is not active against dermatophytes. Topicals are generally applied twice daily, and treatment should continue for 1 week beyond clinical resolution of the infection. Tinea pedis often requires longer treatment courses and frequently relapses. Oral antifungal agents may be required for recalcitrant tinea pedis or tinea corporis.