

## Terbinafine:

**Class:** Antifungal Agent.

### **Indications:**

#### **Oral:**

Treatment of onychomycosis of the toenail or fingernail due to susceptible dermatophytes; treatment of tinea capitis

*Canadian labeling: Additional use (not in U.S. labeling):* Severe tinea skin infections unresponsive to topical therapy.

#### **Topical:**

Antifungal for the treatment of tinea pedis (athlete's foot), tinea cruris (jock itch), and tinea corporis (ringworm) [OTC/prescription formulations]; tinea versicolor [prescription formulations].

**Available dosage form in the hospital:** 1% CREAM, 1% SPRAY, 250MG TAB, 125MG TAB.

### **Dosage:**

#### **-U.S. labeling:**

**Onychomycosis:** Oral: Tablet: Fingernail: 250 mg once daily for 6 weeks; Toenail: 250 mg once daily for 12 weeks

**-Canadian labeling:** Oral: Tablet: **Note:** Mycologic cure may precede complete resolution of symptoms by several weeks (skin infections) or by several months (onychomycosis).

- **Onychomycosis (finger or toenail):** 250 mg/day in 1-2 divided doses for 6 weeks to 3 months ( $\geq 6$  months may be necessary in some patients with infections of the big toenail)
- **Tinea corporis, tinea cruris:** 250 mg/day in 1-2 divided doses for 2-4 weeks
- **Tinea pedis (interdigital and plantar/moccasin type):** 250 mg/day in 1-2 divided doses for 2-6 weeks

**-Sporotrichosis, lymphocutaneous and cutaneous (unlabeled use):** Oral: 500 mg twice daily as alternative therapy; treat for 2-4 weeks after resolution of all lesions (usual duration: 3-6 months) (Kauffman, 2007)

#### **-Athlete's foot (tinea pedis):** Topical:

- **Cream:** Apply to affected area once daily for at least 1 week, not to exceed 4 weeks [OTC/Canadian/prescription formulations]

- *Gel*: Apply to affected area once daily for at least 1 week, not to exceed 4 weeks [OTC/Canadian/prescription formulations]
- *Solution*: Apply to affected area once daily for at least 1 week, not to exceed 4 weeks [OTC/Canadian/prescription formulations]

**-Cutaneous candidiasis:** Topical:

- *Cream*: Apply to affected area once or twice daily for 7-14 days
- *Gel*: Apply to affected area once or twice daily for 7-14 days
- *Solution*: Apply to affected area once or twice daily for 7-14 days

**-Ringworm and jock itch (tinea corporis/tinea versicolor, tinea cruris):** Topical:

- *Cream*: Apply to affected area once daily for at least 1 week, not to exceed 4 weeks [OTC formulations]; apply to affected area once or twice daily for 2 weeks in tinea versicolor [Canadian/prescription formulation]
- *Gel*: Apply to affected area once daily for 7 days [OTC formulations]
- *Solution*: Apply to affected area once daily for 7 days in tinea corporis and tinea cruris [OTC formulations]; apply to affected area once or twice daily for 2 weeks in tinea versicolor [Canadian/prescription formulation]

**Common side effect:**

Central nervous system: Headache

Dermatologic: Skin rash , pruritus , urticarial, Burning, contact dermatitis, dryness, exfoliation, irritation.

Gastrointestinal: Diarrhea , vomiting , dyspepsia , nausea ,abdominal pain .

Local: Irritation, stinging

**Pregnancy Risk Factor:** B