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 tineal 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 (≥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