

SKIN MANIFESTATIONS OF INTERNAL DISEASE

ORAL ANTIFUNGALS & ANTI-RETROVIRAL DRUG INTERACTIONS DETERMINE SUCCESSFUL OUTCOMES IN CASES OF DERMATOPHYTOSIS IN HIV IN INDIA-A REPORT IN 16 CASES

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Background: India is witnessing increased numbers of dermatophytosis which do not respond to standard therapy & recurrences are common. Drug interactions of systemic antifungals & Anti-Retroviral Therapy (ART) make this condition a challenge to manage. Itraconazole & protease inhibitors given together will increase the levels of both. NNRTI will reduce the levels of itraconazole. Griseofulvin will reduce the levels of ART drugs. This author came across 16 cases over 18 months where tinea infection was persisting despite systemic antifungals who responded well to judicious use of systemic antifungals

Observations: All cases were put on Terbinafine (5 mg/kg/day) & daily fluconazole (6 mg/kg/day). Those not responding at 4 weeks were put on either a combination of Griseofulvin (15 mg/kg/day) & fluconazole (6 mg/kg/day) or Itraconazole (5mg/kg/day) taking into account the drug interaction with existing ART. The total duration of effective therapy was 6 weeks.

Total cases-16 (males-8, females-8) seen over 18 months

The stable ART regimen they were on for >1 year were as below-

- A) Tenofovir, lamivudine, Efavirenz-9;
- B) Tenofovir, emtricitabine, Efavirenz-2
- C) Atazanavir, ritonavir, tenofovir, emtricitabine-4;
- D) Zidovudine, lamivudine, nevirapine- 1

Various presentations of tinea infections were

- (A) Tinea corporis & cruris-10. (B) Tinea faciei-2. (C) Tinea cruris-1. (D) Tinea corporis, cruris & faciei-2. (E) Tinea corporis & pedis-1

Effective antifungal drug or combinations & number of patients

Terbinafine (5 mg/kg/day) & daily fluconazole (6 mg/kg/day)-8/16

Griseofulvin (15 mg/kg/day) & fluconazole (6 mg/kg/day)-6/8

Itraconazole (5mg/kg/day)-2/2

Key Messages: Tinea in HIV can be cured by judicious use of available oral antifungals.



Terbinafine & fluconazole combination was effective in only 50% cases.

