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Disclosures

Off-label: Some drugs discussed may be offlabel for the pediatric population

Financial Disclosures relevant to this lecture: none



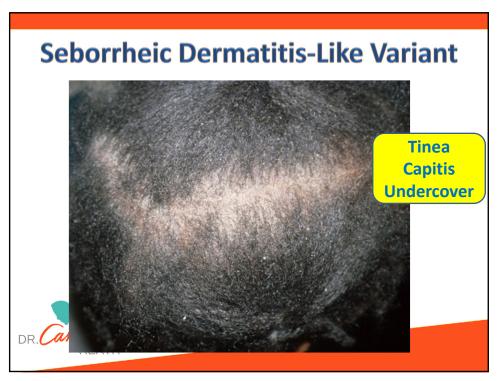
Objectives

- Identify a variety clinical presentations of tinea capitis
- Formulate treatment options based upon common cultural preferences
- Implement treatment algorithm for challenging cases



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What if the scalp is clear, but itchy?

- √Right Demographic
- ✓ Right Age Group
- ✓ No scale in sight





Ask about Hair Care Practices





- What is your typical haircare routine?
- Oils/Grease on scalp - Delayed Diagnosis

Sharma V et al. Do hair care practices affect the acquisition of tinea capitis: A case-control study. Arch Pediatric Adolesc Med. 2001;155:818-821.

Are Hair Care Practices to blame?

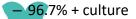
- Application of oils, grease, braids, ponytails or hair in its natural state
 - Do NOT increase rate of tinea capitis
- May increase the risk of false negative fungal culture





But... in some situations, who needs a fungal culture anyway?

- Study cultured 100 consecutive children with scalp alopecia, scaling, pruritus or occipital lymphadenopathy
- Alopecia + occipital lymphadenopathy
 - 100% + culture
- Scaling +occipital lymphadenopathy







Hubbard TW. The predictive value of symptoms in diagnosing childhood tinea capitis Arch Pediatr Adolesc Med 1999; 153: 1150-1153.

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Treatment

- **Griseofulvin microsize** (125 mg/5 mL)
 - 20-25mg/kg/day
 - Approved for (10-20 mg/kg/day)
- 8-12 weeks
 - Approved for kids 2+ years
 - (tinea capitis)

HEATH

- Terbinafine 250 mg tab
 - 10-20 kg: 62.5 mg/day - 20-40 kg: 125 mg/day
 - >40 kg: 250mg/day
- 2 to 4 6 weeks for trichophyton 8-12 weeks for microsporum
 - - Approved for kids 2+ years (onychomycosis)
 - Approved for kids 4+ years (tinea capitis)

Should a shampoo be added to and lice to an analysis to an anal

- Antifungal shampoos
 - May help with household spread
 - decrease transmissible fungal spores
- Conditioners
 - May help with household spread
 - Household should use it as well
- Watch out for hair dryness → breakage

Greer DL. Successful treatment of tinea capitis with 2% ketoconazole shampoo. Int J Dermatol 2000

Shampo V et al. De heir care protince effort the acquisition of times capitis A sell-Redicate Adelese Med. 2001

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Shampoo caveats for tightly coiled hair

Tip for your toolbox

Parent may <u>apply antifungal shampoo directly to scalp</u> (ex. Ketoconazole shampoo)

- → wait 5-10 minutes
- → rinse
- → shampoo scalp & hair with moisturizing shampoo
- → condition with moisturizing conditioner
- → style the hair as desired



→Frequency

• Remove current style (30 min – 3 hrs depending on style) → Wash → Rinse →Wash→ Rinse→ Condition→ Detangle (15 min with large tooth comb) → Rinse → leavein-conditioner → Detangle (1 hr) → Style (1-3+ hrs)

Frequency every 1-2 weeks



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Not Responding as Expected? DR. Candrice



- Options:
 - Check the dose
 - Extend the course
 - Review optimal foods to give
 - griseofulvin with fatty foods
 - Divide the dosing (Griseo)
 - Change the drug
 - Check the siblings



What should be done with the barrettes and the grease jar?

- Toss the grease jar
- Barrettes, Combs, hair accessories
 - Soapy water
 - Dishwasher







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Tinea Capitis

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