



MID-JERSEY PEDIATRICS

www.midjerseypeds.com

**33 Brunswick Woods Drive
East Brunswick, NJ 08816
(732) 257-4330**

**25 Kilmer Drive,
Building #3, Suite 107
Morganville, NJ 07751
(732) 972-6888**

RINGWORM ON THE SCALP (TINEA CAPITIS)

Diagnostic Findings

- Round patches of hair loss that slowly increase in size
- A black-dot, stubbled appearance of the scalp from hair shafts that are broken off at the surface
- The scalp may have scaling
- Mild itching of the scalp
- Usually occurs in children age 2 to 10 years

Cause

A fungus infects the hairs and causes them to break. Ringworm is not caused by a worm. Over 90% of cases are due to *T. tonsurans*, which is transmitted from other children who are infected. Combs, brushes, hats, barrettes, seat backs, pillows and bath towels can transmit the fungus. Less than 10% of the cases are caused by infected animals. The animal type causes more scalp irritation, redness, and scaling. If your child has the animal type of fungus, he is not contagious to other children.

Expected Course

Ringworm of the scalp is not dangerous. Without treatment, however, the hair loss and scaling may spread to other parts of the scalp. Some children develop a kerion, which is a boggy, tender swelling of the scalp that can drain pus. A kerion is an allergic reaction to the fungus and may require additional treatment with an oral steroid. Hair re-growth is normal after treatment but will take 6 to 12 months. If necessary, your child can wear a hat or scarf to hide the bald areas.

Treatment

- Oral Antifungal Medicine. The main treatment for ringworm of the scalp is griseofulvin taken orally for 8 weeks. Griseofulvin is best absorbed if taken with fatty foods such as milk or ice cream. Antifungal creams or ointments are not effective in killing the fungus that causes ringworm of the scalp.
- Antifungal Shampoo. The use of an antifungal shampoo makes your child less contagious and allows him to return to child care or school. Purchase a nonprescription shampoo containing selenium sulfide (for example, Selsun). Lather up and leave it on for 10 minutes before rinsing. Use the antifungal shampoo twice a week for the next 8 weeks. On other days, use a regular shampoo.
- Contagiousness. Ringworm is mildly contagious. Once your child has been started on griseofulvin and received one washing with the special shampoo, they can return to school.
- Common Mistakes. It is psychologically harmful and unnecessary to shave the hair, give a close haircut, or to force your child to wear a protective skull cap.

Call Our Office If:

- The ringworm becomes infected with pus or a yellow crust.
- The scalp becomes swollen or boggy.
- The ringworm continues to spread after 2 weeks of treatment.
- You have questions or concerns.