



Toenail Fungus – An Unwelcomed Visitor

About the Doctor

Lucy Meier, DPM



Dr. Lucy Meier is a Wisconsin native and grew up on a strawberry farm in Sturgeon Bay. She aspired to be a foot doctor since she was twelve years old. She attended the University of Wisconsin - La Crosse before going to podiatry school at Rosalind Franklin University in North Chicago. She completed three years of surgical training at Legacy Wheaton Franciscan Hospitals, here in Milwaukee. She loves to teach and is currently the Assistant Director for the Foot and Ankle Surgery Residency Program at Ascension Hospitals in SE Wisconsin. Dr. Meier is a proud mom of 3! When she has time to herself, she loves to read history, specifically presidential biographies!



What is that discoloration on your toenails? What's the foul odor coming from your toenails? If you have these symptoms, there's a good chance you have toenail fungus.

Toenail fungal infection is caused by a fungus called onychomycosis. When this fungus grows on the skin between your toes, it's called athlete's foot.

If you notice any of these symptoms on your toenails, you most likely have toenail fungus:

- Thickened and discolored nails (often white, yellow, or brownish in hue)
- Brittle nails
- Unusually shaped nails (distorted or jagged)
- A foul odor from the nails
- Nails that are separated from the nail bed

A fungal nail infection often begins by looking just like a small white spot or streak on the nail. It can be difficult at this point to tell whether it is toenail fungus or just a nick against the nail but keep track of it.

If you suspect you have toenail fungus, it's a good idea to come and see our podiatrists since toenail fungus may spread to the skin between your toes and your other toenails. It may even spread to other members of your family.

The good news is that there are several effective treatments for toenail fungus. These include:

- Oral antifungal medications
- Antifungal nail polish
- Antifungal cream
- Surgery
- Laser Treatment



Call to schedule to start treatment today or scan the QR code to watch Dr. Meier explain toenail fungus on our YouTube channel!



Tendons Not Named Achilles

Tendons are bands of tissue that connect muscle to bone. The Achilles tendon gets the spotlight in the foot/ankle area, but the peroneal tendons sometimes stir the pot, especially in athletes and dancers.

Each foot has two peroneal tendons. They run next to each other behind the outer ankle bone, then part company. One attaches to the outer part of the midfoot; the other makes a beeline to the inside of the arch.

The peroneal tendons stabilize the foot and ankle and are key components in preventing ankle sprains during activities with a lot of repetitive ankle motion. They also contribute power when pushing off.

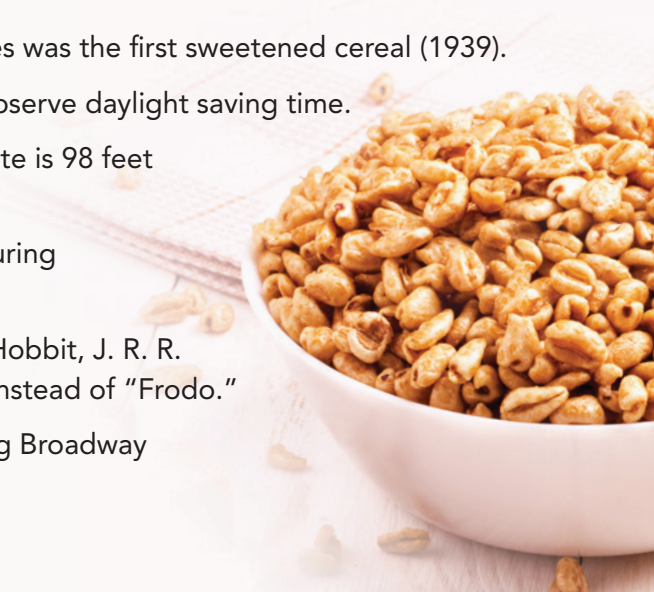
Peroneal tendons can be irritated or injured in several ways:

- **Repetitive use, overuse, and trauma (e.g., ankle sprain)** may cause inflammation (tendonitis), pain, and swelling to one or both tendons.
- An **acute tear** in a tendon occurs suddenly via trauma or repetitive activity. A **degenerative tear** is due to overuse over a long period of time. The tendon gets overstretched, thins out, frays, and eventually tears. Tears are, unsurprisingly, painful and frequently cause swelling, weakness, and overall instability. High arches are an added risk factor for degenerative tears.
- **Subluxation** means that the tendons have slipped from their normal position. Trauma can do it; sometimes an inherited condition is responsible. A person may feel a snapping sensation around the ankle bone, intermittent pain behind the outside ankle bone, or weakness or instability in the ankle.

Following an exam and proper diagnosis at our office, conservative treatment measures are highly successful for inflammation. Subluxations may be managed conservatively, but many eventually require surgery. Tears often require surgery, with factors such as age, activity level, and overall health playing a role.

Mark Your Calendars

- March 2** Dr. Seuss's birthday: He had neither a doctorate nor children, and his name is actually pronounced "Soice"!
- March 7** National Cereal Day: Ranger Joe Popped Wheat Honnies was the first sweetened cereal (1939).
- March 12** Daylight saving time begins: Only 70 of 195 countries observe daylight saving time.
- March 17** St. Patrick's Day: The shortest St. Patty's Day parade route is 98 feet (Hot Springs, AR).
- March 20** First day of spring: Children's growth rates are fastest during the spring (like weeds!).
- March 25** Tolkien Reading Day: While pondering a sequel to *The Hobbit*, J. R. R. Tolkien initially named Bilbo Baggins' nephew "Bingo" instead of "Frodo."
- March 27** World Theatre Day: *The Lion King* is the highest-grossing Broadway production of all time.



Building Happy (and Stronger) Memories with Pets

A study released at the American Academy of Neurology's 2022 annual meeting suggests that pet ownership may be a factor in delaying memory loss and other forms of cognitive decline in older adults. Prior studies have shown that the human-pet bond has positive health benefits such as lowering blood pressure and reducing stress levels. The 2022 study is the first to explore its effects on cognitive health.

The 1,369 study participants averaged 65 years of age at the start of the study and possessed normal cognitive function. Approximately 725 participants had pets, with roughly 440 of them having been long-term pet owners. Dogs and cats dominated the pet landscape, but rabbits, hamsters, birds, reptiles, and fish were represented as well. The study spanned six years and included multiple types of cognitive tests.

Over that time, cognitive scores decreased at a slower rate for pet owners, especially those who owned pets for more than five years. Since chronic stress is a risk factor for impaired cognitive abilities, researchers hypothesize that pet ownership may be an effective counter, as social companionship, a sense of duty and purpose, and the physical activity required to take care of some pets can lower stress, helping to fend off cognitive decline.

Researchers point out that it would not necessarily be a good idea for an older person to rush out to purchase a pet to preserve their brain power. If they already suffer with certain chronic physical or mental-health conditions, it could be a negative — for both owner and pet.

The study had its limitations but echoed one thing most pet owners already know: Pets are something special!



Diane's Colcannon

Servings: 8; Prep time: 20 min.; Cook time: 25 min.;
Total time: 45 min.

Colcannon is a traditional Irish dish consisting of mashed potatoes with cabbage or kale. This budget-friendly dish can be served as an entrée or side dish, often alongside boiled ham or corned beef.

Ingredients

- 2½ pounds potatoes, peeled and cubed
- 4 slices bacon
- ½ small head cabbage, chopped
- 1 large onion, chopped
- ½ cup milk
- salt and pepper to taste
- ¼ cup butter, melted

Directions

1. Place potatoes into a saucepan with enough water to cover. Bring to a boil and cook until tender, 15 to 20 minutes. Drain.
2. While potatoes are cooking, cook bacon in a large skillet over medium-high heat, turning occasionally, until evenly browned, about 10 minutes. Drain bacon slices on paper towels; crumble and set aside. Reserve drippings in the skillet.
3. Sauté cabbage and onion in drippings in the skillet over medium heat until soft and translucent, 10 to 15 minutes; cover the skillet to decrease cooking time if desired. Remove from heat.
4. Mash potatoes with milk in a large bowl; season with salt and pepper. Fold in bacon, cabbage, and onion, then transfer mixture to a large serving bowl. Make a well in the center of potato mixture and pour in melted butter. Serve hot.

Recipe courtesy of www.allrecipes.com.



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See page one.

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A Chip Off the Old ... Bone

An avulsion fracture occurs when a tendon or ligament breaks off a small piece of the bone it's attached to. Direct force, sharp twists and turns, and sudden acceleration and stops can trigger an avulsion fracture. The attached ligament or tendon may be damaged as well.

In the lower extremities, avulsion fractures commonly strike the ankle, heel, and fifth metatarsal bone in the foot. Those who play sports and dancers are most at risk, with kids being even more susceptible due to growth spurts, as some bone is not fully hardened.

Symptoms include an initial popping sensation, pain, swelling, bruising, and increased pain with movement — often mimicking other conditions (e.g., ankle sprain). Delay in attaining an accurate diagnosis can lead to nerve irritation and chronic pain.

An avulsion fracture is generally diagnosed with an exam and X-ray. If the bone chip is too small for an X-ray to detect, a different imaging test may be called on. Avulsion fractures can frequently be treated conservatively with rest and ice packs. Others may require a boot or cast for immobilization, or crutches to keep weight off the affected area.

If the bone that chipped off is too far from the main bone to heal with conservative measures, surgery may be necessary.

Avulsion fractures take anywhere from a few weeks to six months to heal. It depends on the location and severity of the fracture, the type of treatment, and age and overall health of the patient.

If you experience nagging foot or ankle discomfort, your body is trying to tell you something. Give us a call to find relief.

