

STAMFORD SKIN CENTRE

LASER DERMATOLOGY CLINIC



A NEW LASER
TREATMENT
FOR NAIL FUNGUS



Nail Fungus, also called Onychomycosis, is a common condition estimated to affect up to 10% of the population worldwide. It can cause nails to become yellow or discolored. As the infection advances the nail can become thick, brittle and separate from the nail bed. It can also cause pain when wearing shoes or walking.

WHAT CAUSE NAIL INFECTION? (ONYCHOMYCOSIS)

Dermatophytes are the fungi most commonly responsible for causing this condition. They are specialized organisms that live off of keratin which is the main component of nail and skin. The most common fungithat cause nail infection disease are: **Trichophyton ru-**

brum, Trichophyton mentagrophytes, and Candida albicans. Everyone is at risk for infection because fungus is present everywhere in the environment.

WHERE DOES NAIL INFECTION COME FROM?

Nail infection is caused by contact with **dermatophytes** which are everywhere in our environment. Common sources of infection include swimming pools, public showers, gyms and nail spas. Tight fitting shoes and nail trauma can also lead to infection. Genetic susceptibility, poor health and increasing age are also factors that increase the risk of nail infection.





WHAT ARE THE SYMPTOMS OF NAIL INFECTION?

You may suffer from nail infection (Onychomycosis) if you have one or more of the following symptoms:

- Discolored nails
- Yellow streak under the nail
- Distorted or thickened nail
- Brittle, crumbly or ragged nail
- Nails separated from the underlying skin
- Build up of debris (nail fragments, skin) under the nail
- White spots or streaks on the nail surface



HOW DOES THE LASER TREATMENT WORK?

We use a **Clarity Long Pulse laser** which is one of the most advanced dermatologic lasers currently available. Impulse of high power laser energy passes through into the nail and nail bed with no damage to the surrounding skin. The laser light is absorbed by pigment in the fungi, which causes the pigment to heat, and this heat kills or damages the fungal organism. At the time of the procedure, no visible change is seen until the nail begins to grow out. In a few months, a more normal nail is expected to appear with complete regrowth of the nail taking up to 9-12 months.

Your nail infection should improve following treatment but you will need to continue with home care techniques to reduce recurrence of the infection as advised by your doctor.

TOENAIL FUNGUS LASER TREATMENT

- ☑ Quick & in-office procedure
- ☑ Safe & effective treatment
- ☑ Minimal to zero discomfort
- ☑ No downtime from your regular activities
- ☑ Safe alternative to oral prescription medication



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