

A New Approach to Addressing Toenail Fungus (Onychomycosis)

Toenail fungus affects 30 million Americans¹, posing both physical and cosmetic problems for those affected. Known medically as onychomycosis, it can cause nail discoloration and deformity, and in some cases, pain or discomfort while walking. Moreover, toenail fungus may be perceived as a social stigma, deterring those affected from enjoying routine activities, such as wearing open toed shoes or taking off their shoes in the company of others. While much progress has been made in identifying the causes of this condition, treatment options have been largely limited to oral drugs that are associated with adverse side effects and prescription topicals and home remedies that have not been proven effective.

GenesisPlus is a new approach to addressing toenail fungus that puts patients' safety and comfort first. The system applies laser energy to the toenail plate and surrounding tissue. The laser light gradually heats the fungus and promotes the growth of healthy, clear nails. The procedure requires no anesthetics and poses no risk of serious side effects. Treatment typically takes 10-20 minutes, and patients are able to return to regular activities immediately following the procedure.

GenesisPlus Before & After Photos

				
Before treatment	9 months post treatment		Before treatment	3 months post treatment
Photos courtesy of David Weiss, DPM			Photos courtesy of David Weiss, DPM	

Comparison of GenesisPlus with Conventional Toenail Fungus Treatments

Oral Drugs	Prescription Topicals	GenesisPlus
<ul style="list-style-type: none"> - Generally effective in treating nail fungus - Drug must be taken over long period of time (6-8 weeks) - Associated with a number of adverse side effects, such as gastrointestinal disorders, skin disorders, headaches and abnormal liver function - Not recommended for some patients who have poor health or diabetes 	<ul style="list-style-type: none"> - Effectiveness is highly variable due to the fact that the drug does not sufficiently penetrate the nail plate to reach the underlying infection - Drug must be frequently applied to nails, often daily, over a long period of time 	<ul style="list-style-type: none"> - Effective in clearing nails of both mild and severe forms of fungus - New nail grows out with no signs of infection - No significant side effects - As with oral drugs and prescription topicals, final results are achieved when the nail grows out, which can take a few months

¹ http://www.medscape.com/viewarticle/407647_9



GenesisPlus System Overview

GenesisPlus is a multipurpose laser system designed to provide a fast and effective solution for a wide range of cosmetic conditions, including onychomycosis, warts and scars. Its state-of-the-art design allows for customized treatments tailored to each patient's individual concerns. The system includes a real-time temperature sensor that provides feedback so just the right amount of laser energy is delivered.

System Feature	Benefit
Long Pulse 1064 nm Laser	The 1064 nm laser, combined with patented microsecond technology, provides deeper penetration than short pulse lasers to effectively reach onychomycosis and deep vascular skin conditions.
Intelligent Design Handpiece	Ergonomic, lightweight design ensures easy maneuverability and allows longer treatment cycles with less physical stress.
	Integrated sensor actively monitors the temperature in treatment area, with LED indicators to enable physician to adjust parameters based on patient feedback.
	Triangulated aiming beam ensures accurate and consistent treatment distance.
Efficient Laser Spot Size	The 5 mm laser spot size enables fast treatment of affected areas and can help reduce risk of overlapping or missed treatment associated with smaller spot sizes. The 1.5 mm spot size provides an FDA-cleared and Health Canada-approved procedure to clear the nail in patients with onychomycosis.
No Consumables	Does not require disposables, such as cooling spray and toe clips, saving costs and the environment.
High User Satisfaction	Independent research reported a high satisfaction rate among GenesisPlus users for company service and support as well as treatment results.