

The Medical Power of Light

HAIRrestart® Non-Invasive Laser
Stimulation of Hair Growth

No down-time

Promotes new
follicle growth

Increases hair density
and thickness

Non-invasive

No medications

Prevents further
hair loss



What is **HAIRestart**®?

Fotona's **HAIRestart**® laser hair growth stimulation using the unique Fotona SMOOTH® mode has proven to be an effective method for treating hair loss disorders. The Fotona SMOOTH® laser modality operates at the optimal infrared Er:YAG wavelength (2.94 μm) that coincides with the maximal absorption in the skin. The innovative feature of this patented technology is the ability to act in a non-ablative manner, producing mild, precisely engineered thermal pulses. This ensures that the laser light delivers therapeutic temporal and spatial temperature profiles to the scalp tissue gently, safely and efficiently.

Proposed mechanism of action

Studies show that laser thermal pulsing of the scalp during **HAIRestart**® treatment activates signaling pathways inside the skin, resulting in the production of growth factors and new extracellular matrix proteins that trigger the regeneration process. The hair cycle is promoted by faster telogen to anagen transitions, resulting in an increase in hair density and thickness. Laser therapy also increases vasodilation and neoangiogenesis, thus blood flow is increased at the dermal papilla.

Results



Improved blood supply of hair follicles



Stimulation of the hair cycle



Increase in hair density and thickness



Prevention of further hair loss



Before



After



Before



After



Before



After



Before



After



Before



After



Before



After



Before



After



Before



After

