



# The Medical Power of Light

## **HAIRe**start<sup>®</sup>

Non-Invasive Laser Stimulation of Hair Growth

- Prevents further hair loss
- Increases hair density and thickness
- Promotes new follicle growth
- Non-invasive
- No medications
- No down-time

**Fotona**<sup>•</sup>  
choose perfection



Courtesy of Edvard Medan



Courtesy of Doris Day



Courtesy of Doris Day



Courtesy of Roberto Valdivia Sing

## 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  $\mu\text{m}$ ) 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



Courtesy of Maksimov Dmitry Vladimirovich



Courtesy of Doris Day



Courtesy of Gabriela Mercik



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To learn more about HAIRestart® and what Fotona laser systems can do for your practice, contact Fotona at [info@fotona.com](mailto:info@fotona.com) today.