



## Alopecia Totalis treated with HAIRestart®

**Branislav Svarny**

Introduction:

Alopecia totalis is an advanced form of alopecia areata. It is an autoimmune disease characterized by nonscarring hair loss of the scalp that can cause severe psychologic distress and affects approximately 2% of the population. Virus infections may significantly contribute to the onset, recurrence, or worsening of alopecia areata. Treatment aims to manage the immune response and promote hair regrowth. In some cases, hair may regrow on its own without any treatment, while in other cases, the hair loss may persist or progress.

Lasers	SP Dynamis
Wavelength	2940 nm
Handpiece	PS03X
Fluence	7 – 7.75 J/cm <sup>2</sup>
Mode	SMOOTH
Frequency	3.3 Hz
Passes	6 – 7
Spot size	7 mm
Sessions	7 sessions in 2 – 3 week intervals



*Branislav Švárný studied physiotherapy at the medical school in Žilina, graduating in 2005. From 2010 to the present, he has worked as a product specialist for a medical company BTL as a product specialist of the rehabilitation division. In 2012, he moved under the division of aesthetic medicine, where he was dedicated to non-invasive technologies as a salesman and clinical specialist. In 2015 added Fotona lasers to the portfolio and is a trainer for SP Dynamis and StarWalker MaQX platforms in the field of dermatology, aesthetic medicine and gynecology.*

## CLINICAL CASE:

A 19-year-old male patient experienced complete hair loss in 2022, which started after a COVID-19 infection in the fall of 2021. He underwent unsuccessful corticoid treatment for hair loss during 2022. In May 2022, he contracted COVID-19 again, and his hair loss progressed rapidly. His alopecia persisted until the first treatment with Fotona end of March 2023. Patient received 7 sessions of laser treatment with 2940 nm non-ablative Er:YAG laser (SP Dynamis, Fotona, Slovenia) in super long pulse (SMOOTHM mode). The first 6 sessions were administered in 2-3 weeks intervals, and the last session was administered after a 2 month break during summer.

Vertex, frontal and temporal scalp region at baseline (28.2.2023)



Vertex, frontal and temporal scalp region after 4 sessions (16.5.2023)



Vertex, frontal and temporal scalp region after 6 sessions (9.6.2023)



Vertex, frontal and temporal scalp region after 7 sessions (13.9.2023)



Published by the Laser and Health Academy. All rights reserved. © 2023

Disclaimer: The intent of this Laser and Health Academy publication is to facilitate an exchange of information on the views, research results, and clinical experiences within the medical laser community. The contents of this publication are the sole responsibility of the authors and may not in any circumstances be regarded as official product information by the medical equipment manufacturers. When in doubt please check with the manufacturers whether a specific product or application has been approved or cleared to be marketed and sold in your country.

