

Dr. Todd Remington received his medical degree from Queens University in Kingston, Ontario before completing his Dermatology residency at George Washington University in Washington D.C. He also completed an additional year of residency in the Division of Dermatology at the University of Alberta before joining the Remington Laser Dermatology Center in July 2002.



Clinical Bulletin

J. LAHA, Vol. 2019, No. 1; p. CB10.

Treatment of Residual Pigment in a Vitiligo Patient

Dr. Todd Remington

Parameters:

Laser source:	Q-s KTP, 532 nm
Mode	MaQX-1
Fluence:	2 J/cm ²
Frequency:	1.5 Hz
Handpiece:	R28
Spotsize:	3 mm

Treatment procedure:

This case presents a 58-year-old woman who has a longstanding history of extensive vitiligo since childhood. At the time of presentation she had complete depigmentation on her torso and extremities. The only remaining pigmentation consisted of hyperpigmented macules and patches confined to her face. The patient requested removal of the remaining pigmentation in order to even out her skin tone and improve the cosmetic appearance of the affected areas. She had previously attempted to depigment her skin with topical 20% monobenzylether of hydroquinone, but this was not well tolerated due to local irritation and was not effective in reducing the hyperpigmentation. As a result, we offered to remove the remaining pigmentation with the StarWalker MaQX laser (Fotona, Slovenia). Only one treatment session was required using the parameters shown in the table. No anesthesia was required. The treatment was easily tolerated by the patient.

After such procedures, crusting typically develops at the treatment sites, which usually resolves in a few days, along with temporary purpura for approximately one week. The patient was encouraged to apply a hydrating ointment at home twice daily for one week and to avoid sun exposure for several weeks. There was no pain or other significant problems after the treatment.

In this particular case, only a single Q-switched KTP treatment was needed to obtain almost complete clearance of the pigmentation, leading to an excellent cosmetic improvement.



Published by the Laser and Health Academy. All rights reserved. © 2019

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.



Before treatment



After one treatment