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Guidelines for improving permanent make-up

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Introduction: Permanent makeup (PMU) is a frequently performed cosmetic intervention performed by beauticians. Technically spoken it is a facial tattoo. Failed drawings or changed customers' acceptance lead to the desire of removal.

Materials & Methods: The possible options for PMU removal and coverage have been collected and evaluated in 87 individual cases. In treatable cases, laser treatments with q-switched Nd:YAG laser have been performed.

Results: In 52 out of 87 cases laser treatments could be performed. 1–12 treatments were necessary to remove the PMU. In three cases, color resisted laser treatments. In two cases laser treatment had to be interrupted due to colour change into green-blue.

Discussion: In laser, PMU removal test shots have to be obligatory because colour changes can cause severe esthetic problems. Covered up PMU (skin colour) is particularly dangerous for colour change. Heat induced shrinking of eye area can cause ectropium. Surgical solutions have to be taken in consideration. The presentation tries to set up some guidelines for the treatment of failed PMU.



Figure 1: Accidental colour change into green/blue.

Recent Publications:

1. Mao J C and De Joseph L M (2012) Latest innovations for tattoo and permanent makeup removal. *Facial Plast Surg Clin North Am.* 20(2):125–134.
2. Lee C N, Bae E Y, Park J G, et al. (2009) Permanent makeup removal using Q-switched Nd:YAG laser. *Clin Exp Dermatol.* 34(8):125–134.
3. Worp J, Boonstra A, Coutinho R A, et al. (2006) Tattooing, permanent make-up and piercing in Amsterdam: guidelines, legislation and monitoring. *Euro Surveillance* 11(1):34–36.

Biography

Bettina Rümmelein, after completing her Residency as a Dermatologist and Allergologist at the University Hospital Hamburg-Eppendorf, Germany, with internships at Stanford University, Palo Alto and the Mayo Clinic, Rochester, USA, worked for two years in a large group practice in Frankfurt. From 1998 to 2008, she ran her own private practice near Frankfurt. After moving to Switzerland, she worked at the University Hospital Zurich for eight years, where she directed the clinic for Aesthetic Dermatology and Laser Medicine for three years. Since April 2014, she dedicated herself exclusively to the work in her own clinic. She is licensed for laser treatments and accredited by the Laser Commission as a training center. Aesthetic and Laser Medicine have become her main topics of interest in recent years. Her clinic offers the full range of state-of-the-art laser devices that are used in dermatology. As President of the Swiss Society for Medical Laser Applications (SGML), she takes responsibility for the Swiss Laser Congress.

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