

**PUBLIKATIONEN:**

1. Otberg N, Tietz HJ, Henz BM, Haas N: Kerion due to Trichophyton mentagrophytes: Responsiveness to Fluconazole versus Terbinafine in a child. *Acta Derm Venereol* 2001; Vol. 81, No. 6, 444-445.
2. Lademann J, Otberg N, Richter H, Weigmann HJ, Lindemann U, Schaefer H, Sterry W: Investigation of Follicular Penetration of Topically Applied Substances. *Skin Pharmacol Appl Skin Physiol* 2001; 14(suppl 1): 17-22.
3. Lademann J, Otberg N, Richter H, Lindemann U, Schaefer H, Sterry W: Wie gelangen Substanzen in und durch unsere Haut? Die follikuläre Penetration als entscheidender Penetrationsweg. *Humboldt Spektrum*. 8. Jahrgang, Heft 3-4/2001; 32-35.
4. Lademann J, Otberg N, Richter H, Weigmann HJ, Lindemann U, Schaefer H, Sterry W: Penetration studies of topically applied substances by laser scanning microscopy Proc. 10<sup>th</sup> Annual Internat. Laser Physics Workshop, Moscow 2001, p 146.
5. Lademann J, Otberg N, Richter H, Lindemann U, Weigmann HJ, Schaefer H, Sterry W: Transfollicular absorption Proc. 10<sup>th</sup> Congress EADV, Munich 2001. *Journal of the European Academy of Dermatology*, v. 15 (3) 2001, 469 – 473.
6. Schaefer H, Lademann J, Otberg N, Richter H, Sterry W: Open versus closed follicles. Proc. PPP, Antibes 2002.
7. Lademann J, Richter H, Otberg N, Lawrenz F, Blume-Peytavi U, Sterry W: In vivo Laser Scanning Microscope in Dermatology Saratov 2002 SPIE Proc. Optical Technologies in Biophysics and Medicine IV, Vol. 5068, p 1 – 9.
8. Lademann J, Richter H, Otberg N, Lawrenz F, Blume-Peytavi U, Sterry W: Application of a dermatological laser Scanning confocal microscope for investigation in skin physiology. *J. Laser Phys.*, 2003, Vol. 13, No. 5, 756 – 760.
9. Lademann J, Knüttel A, Richter H, Otberg N, v. Pelchrzim R, Audring H, Meffert H, Sterry W: Application of optical coherent tomography for skin diagnostics. *J. Quant Electr*, 2003, 14, No. 2, 265 – 69.
10. Otberg N, Richter H, Schaefer H, Blume-Peytavi U, Sterry W, Lademann J: Visualisation of topically applied fluorescent dyes in hair follicles by laser scanning microscopy. *J. Laser Phys.*, 2003, Vol. 13, No. 5, 761– 764.
11. Lademann J, Otberg N, Richter H, Jacobi U, Schaefer H, Blume-Peytavi U, Sterry W: Follikuläre Penetration – Ein entscheidender Penetrationsweg von topisch applizierten Substanzen. *Der Hautarzt*, 2003, 54:321-323.
12. Lademann J, Richter H, Otberg N, Lawrenz F, Sterry W: Application of In-Vivo Laser Scanning Microscopy in Skin Physiology Skin Research and Technology, v. 9 (2), 2003, 194 – 195 Proc. of the ISBS & ISSI, Hamburg, Mai 2003, 29 – 31.
13. Lademann J, Otberg N, Richter H, Jacobi U, Schaefer H, Blume-Peytavi U, Sterry W: Follikuläre Penetration – Ein entscheidender Penetrationsweg von topisch applizierten Substanzen *JDDG*, V. 1, Suppl. 1, 2003, 50.

14. Otberg N, Blume-Peytavi U: Woolly Hair Syndrome. Orphanet Encyclopedia. December 2003. <http://www.orpha.net/data/patho/GB/uk-woollyhair.pdf>.
15. Otberg N, Richter H, Knüttel A, Schaefer H, Sterry W, Lademann J: Laser Spectroscopic Methods for the Characterization of Open and Closed Follicles. *Laser Physic Letters*, 2004, No. 1, 46-49.
16. Lademann J, Jacobi U, Richter H, Otberg N, Weigmann H-J, Meffert H, Schaefer H, Blume-Peytavi U, Sterry W: In Vivo Determination of UV-Photons Entering into Human Skin. *J. Laser Phys.*, 2004, Vol. 14, No. 2, 234-237.
17. Otberg N, Richter H, Schaefer H , Blume-Peytavi U, Sterry W, Lademann J: Variations of Hair Follicle Size and Distribution in Different Body sites. *J Invest Dermatol*, 2004, 122, 14-19.
18. Lademann J, Richter H, Otberg N, Jacobi U, Lawrenz F, Sterry W: Application of in vivo laser scanning microscopy in studies of skin physiology PPP, Vol. 9a, STS Publishing Cardiff 2004, 75.
19. Otberg N, Richter H, Jacobi U, Blume-Peytavi U, Schaefer H, W. Sterry, J. Lademann In vivo method to assess active and inactive hair follicles *JDDG*, 2 (6), 2004, 501.
20. Ossadnik M, Koch S, Otberg N, Richter H, Jacobi U, Sterry W, Lademann J: Determination of the amount of topically applied substances penetrated into the orifices of hair follicles *JDDG*, 2 (6), 2004, 502.
21. Otberg N, Richter H, Jacobi U, Blume-Peytavi U, Schaefer H, Sterry W, Lademann J: The vellus hair follicle: a reservoir for topically applied substances *JDDG*, 2 (6), 2004, 502.
22. Lademann J, Otberg N, Richter H, Jacobi U, Blume-Peytavi U, Schaefer, Sterry W: Application of laser scanning microscopy for penetration studies of topically applied substances *JDDG*, 2 (6), 2004, 518.
23. Lademann J, Otberg N, Richter H, Jacobi U, Blume-Peytavi U, Schaefer H, Sterry W: Penetration of titanium dioxide microparticles into follicular orifice *JDDG*, 2 (6), 2004, 518.
24. Lademann J, Meyer L, Otberg N, Richter H, Sterry W: New insights into the skin - Application of a dermatological laser scanning microscope in skin physiology. *Skin Research and Technology* 2004, Vol. 10, No. 4, 8.
25. Jacobi U, Kaiser M, Otberg N, Koscielny J, Schütz R, Meinke M, Sterry W, Lademann J: Comparison of Blood Flow, Cutaneous Surface Temperature and Redness on Different Anatomic Sites - Increase in Biological Reactions by Topically Applied Benzyl Nicotinate. *Journal of Vascular Research*, 2004, 41, 461.
26. Erdmenger U, Jacobi U, Otberg N, Koscielny J, Schütz R, Meinke M, Sterry W, Lademann J: Follicular Penetration of Topically Applied Nicotinate - Effect on the Blood Flow. *Journal of Vascular Research*, 2004, 41, 461.

27. Lademann J, Schaefer H, Otberg N, Teichmann A, Blume-Peytavi U, Sterry W: Penetration von Mikropartikeln in die menschliche Haut. Der Hautarzt, Band 55, Heft 12, 2004, 1117 – 19.
28. Otberg N, Richter H, Schaefer H., Blume-Peytavi U., Sterry W, Lademann J: Morphologie und Verteilung von Haarfollikeln im menschlichen Körper. Aktuelle Dermatologie, 2004, 30: 573 – 578.
29. Lademann J, Knüttel A, Richter H, Otberg N, v. Pelchrzim R, Audring H, Meffert H, Sterry W, Hoffmann K: Application of Optical Coherent Tomography for Skin Diagnostics. Laser Physics, Vol. 15, No. 2, 2005, 1 – 7.
30. Meyer L, Otberg N, Tietz HJ, Sterry W, Lademann J: In vivo imaging of Malassezia yeasts on human skin using confocal laser scanning microscopy. Laser Phys. Lett. 2005 No.3, 148-152.
31. Lademann J, Otberg N, Jacobi U, Hoffman RM, Blume-Peytavi U. Follicular penetration and targeting. J Investig Dermatol Symp Proc. 2005 Dec;10(3):301-3.
32. Lademann J, Richter H, Schaefer UF, Blume-Peytavi U, Teichmann A, Otberg N, Sterry W. Hair Follicles - A Long-Term Reservoir for Drug Delivery. Skin Pharmacol Physiol. 2006 May 4;19(4):232-236.
33. Teichmann A, Otberg N, Jacobi U, Sterry W, Lademann J. Follicular Penetration: Development of a Method to Block the Follicles Selectively against the Penetration of Topically Applied Substances. Skin Pharmacol Physiol. 2006 May 4;19(4):216-223.
34. Mangelsdorf S, Otberg N, Maibach HI, Sinkgraven R, Sterry W, Lademann J. Ethnic Variation in Vellus Hair Follicle Size and Distribution. Skin Pharmacol Physiol. 2006 May 4;19(3):159-167.
35. Jung S, Otberg N, Thiede G, Richter H, Sterry W, Panzner S, Lademann J. Innovative Liposomes as a Transfollicular Drug Delivery System: Penetration into Porcine Hair Follicles. J Invest Dermatol. 2006 Aug;126(8):1728-32.
36. Meyer LE, Otberg N, Sterry W, Lademann J. In vivo confocal scanning laser microscopy: comparison of the reflectance and fluorescence mode by imaging human skin. J Biomed Opt. 2006 Jul-Aug;11(4):044012.
37. Lademann J, Otberg N, Richter H, Meyer L, Audring H, Teichmann A, Thomas S, Knuttel A, Sterry W. Application of optical non-invasive methods in skin physiology: a comparison of laser scanning microscopy and optical coherent tomography with histological analysis. Skin Res Technol. 2007 May;13(2):119-32.
38. Jacobi U, Kaiser M, Toll R, Mangelsdorf S, Audring H, Otberg N, Sterry W, Lademann J. Porcine ear skin: an in vitro model for human skin. Skin Res Technol. 2007 Feb;13(1):19-24.
39. Otberg N, Teichmann A, Rasuljev U, Sinkgraven R, Sterry W, Lademann J. Follicular Penetration of Topically Applied Caffeine via a Shampoo Formulation. Skin Pharmacol Physiol. 2007 Mar 29;20(4):195-198

40. Lademann J, Richter H, Teichmann A, Otberg N, Blume-Peytavi U, Luengo J, Weiss B, Schaefer UF, Lehr CM, Wepf R, Sterry W. Nanoparticles - An efficient carrier for drug delivery into the hair follicles. Eur J Pharm Biopharm. 2007 May;66(2):159-164.
41. Otberg N, Finner AM, Shapiro J. Androgenetic Alopecia. Endocrinol Metab Clin North Am. 2007 Jun;36(2):379-98.
42. Otberg N, Patzelt A, Rasulev U, Hagemeister T, Linscheid M, Sinkgraven R, Sterry W, Lademann J. The role of hair follicles in the percutaneous absorption of caffeine, 2007 Br J Clin Pharmacol, 65(4):488-492.
43. Otberg N, Wu WY, Shapiro J. Cicatricial Alopecia - part I. SKINmed. 2008 Jan;7(1)19-26.
44. Wu WY, Otberg N, Shapiro J. Cicatricial Alopecia - part II, 2008 SKINmed, in print
45. Otberg N, Grone D, Meyer L, Schanzer S, Hoffmann G, Ackermann H, Sterry W, Lademann J. Water-filtered infrared-A (wIRA) can act as a penetration enhancer for topically applied substances. Wassergefiltertes Infrarot A (wIRA) kann als Penetrationsverstärker für topisch aufgetragene Substanzen wirken. GMS Ger Med Sci. 2008; 6:Doc08. Online verfügbar unter: <http://www.eqms.de/en/gms/2008-6/000053.shtml> (shtml) und <http://www.eqms.de/pdf/gms/2008-6/000053.pdf> (PDF).
46. Otberg N, Kang H, Alzolibani A, Shapiro J. Folliculitis decalvans, Dermatologic Therapy. 2008 21(4):238-244.
47. Kang H, Alzolibani A, Otberg N, Shapiro J. Lichen planopilaris, Dermatologic Therapy. 2008 21(4):249-256
48. Alzolibani A, Kang H, Otberg N, Shapiro J. Pseudopelade of Brocq, Dermatologic Therapy. 2008 21(4):257-263
49. Finner AM, Otberg N, Shapiro J. Secondary cicatricial and other permanent alopecias, Dermatologic Therapy. 2008 21(4): 279-94
50. Calderon P, Otberg N, Shapiro J. Uncombable hair syndrome. JAAD. 2009 in print