Hair is subject to either intrinsic (i.e. physiological) aging or extrinsic (i.e. premature) aging that can be attributed to external factors. The intrinsic factors can be associated with genetic mechanisms and are subject to individual variations, whereas external factors include ultraviolet radiation, air pollution, smoking, and possibly nutrition.

Leading experts have contributed to this book which offers a practical approach to the evaluation and management of various forms of alopecia, including their pathogenesis, the diagnostic procedures involved, medical treatments, and nutritional issues. A completely new surgical technique for hair transplantation that leaves behind sufficient follicle unit tissue to regenerate hairs is also described.

Being comprehensive and easy-to-read, this book should be very useful for dermatologists who wish to diagnose and treat their patients with hair problems more effectively.
Skin Appendage Disorders

Aims and Scope
Skin Appendage Disorders provides a wide range of original and review articles dealing with all aspects of hair, nail and skin glands. The section Novel Insights from Clinical Practice introduces special case examples and their treatments. Innovative therapies are presented under the heading Novel Treatments, and in Clinical Investigations the latest findings are discussed. A special highlight are the articles in the section Guidelines that present the consensus treatments, and which are a must-read for everyone who wants to stay up-to-date. The section Adnexal Surgery focuses on both established and approved as well as new surgical treatments. Pathological evaluation of skin appendage disorders requires specific training and the Pathology section will be open to original papers and reviews on this topic. Covering all aspects of the field, Skin Appendage Disorders orders of primary importance for dermatologists in clinics and research, dermatological surgeons as well as cosmetic dermatologists.

Submission
Manuscripts in English are considered for publication and should be submitted online
www.karger.com/sad

Should you experience any problems with your submission, please contact the Editorial Office at:
sad@karger.com
S. Karger AG
Editorial Office Skin Appendage Disorders
P.O. Box
CH–4009 Basel (Switzerland)
Tel. +41 61 306 14 24
Fax +41 61 306 14 34

Conditions
All manuscripts are subject to editorial review. Manuscripts are received with the explicit understanding that they are not under simultaneous consideration by any other publication.

A cover letter with the name, address, and telephone and telefax numbers of the corresponding author must accompany each manuscript. This letter must include a statement that affirms that all authors concur with the submission.

Submission of an article for publication implies transfer of the copyright from the author to the publisher upon acceptance. Accepted papers become the permanent property of Skin Appendage Disorders and may not be reproduced by any means, in whole or in part, without the written consent of the publisher.

It is the author’s responsibility to obtain permission to reproduce illustrations, tables, etc. from other publications.

Peer-Review Policy
Skin Appendage Disorders is a peer-reviewed journal. Our aim is to provide authors with fast and constructive feedback regarding their submitted manuscript. The Editor-in-Chief and international editorial board ensure a thorough and fair peer-review and the highest scientific publishing standards. The Editor-in-Chief is responsible to maintain high quality peer-review of papers submitted to the journal.

Conflicts of Interest
Authors are required to disclose any sponsorship or funding arrangements relating to their research and all authors should disclose any possible conflicts of interest. Conflict of interest statements will be published at the end of the article.

Ethics
Published research must comply with the guidelines for human studies and animal welfare regulations. Authors should state that subjects have given their informed consent and that the study protocol has been approved by the institute’s committee on human research. Further, they should also state that animal experiments conform to institutional standards.

Sections/Types of Papers
Letter to the Editor
Editorial Comment
Adnexal Surgery
Pathology
Industry Corner

Research papers should be submitted as Original Articles.

Novel Insights from Clinical Practice: The publication space available for case reports is very limited. The journal only considers case reports with significant new insights or with an extremely unusual and memorable course. Highlighted boxes containing one or two bullet points on ‘Established facts’ (what is already known) and ‘Novel insights’ (what new information has been gained) are required and should be placed on the first page of the report. These should be selected so as to reinforce the novelty of the clinical observation. The text per box should be limited to 1–2 very short sentences. The manuscript should be presented with an abstract (unstructured, max. 200 words), followed by introduction, case report and discussion.

What Is Your Diagnosis?: Select catchy title not disclosing the diagnosis. Page 1: Case report and 1–2 illustrations and the question ‘What Is Your Diagnosis?’ Page 2: The diagnosis followed by a short description of what diagnostic procedures were done to reach the diagnosis and the discussion with references. Include 3–5 keywords.

Plagiarism Policy
Whether intentional or not, plagiarism is a serious violation. We define plagiarism as a case in which a paper reproduces another work with at least 25% similarity and without citation. If evidence of plagiarism is found before/after acceptance or after publication of the paper, the author will be offered a chance for rebuttal. If the arguments are not found to be satisfactory, the manuscript will be retracted and the author sanctioned from publishing papers for a period to be determined by the responsible Editor(s).

Arrangement
Title page: The first page of each paper should indicate the title, the authors’ names, the institute where the work was conducted, and a short title for use as running head.

Full address: The exact postal address of the corresponding author complete with postal code must be given at the bottom of the title page. Please also supply phone and fax numbers, as well as e-mail address.

Key words: Please supply 3–10 key words in English that reflect the content of the paper.

Abstract: Each paper needs an abstract in English of not more than 200 words. The abstract is of utmost importance. It should contain the following information: purpose of the study, procedures, results, conclusions and message of the paper.

Footnotes: Avoid footnotes.

References: Review articles, tables and illustrations (both numbered in Arabic numerals) should be sent in separate files. Tables require a heading and figures a legend, also in a separate file. Due to technical reasons, figures with a screen background should not be submitted. When possible, group several illustrations in one block for reproduction (max. size 180 x 223 mm). Black and white half-tone and color illustrations must have a final resolution of 300 dpi after scaling, line drawings one of 800–1,200 dpi.

Color Illustrations

Online edition: Color illustrations are reproduced free of charge. In the print version, the illustrations are reproduced in black and white. Please avoid referring to the colors in the text and figure legends.

Print edition: Up to 6 color illustrations per page can be integrated within the text at CHF 960.00 per page.

References: In the text identify references by Arabic numerals [in square brackets]. Material submitted for publication but not yet accepted should be noted as ‘unpublished data’ and not be included in the reference list. The list of references should include only those publications which are cited in the text. Do not alphabetize; number references in the order in which they are first mentioned in the text. The surnames of the authors followed by initials should be given. There should be no punctuation other than a comma to separate the authors. Preferably, please cite all authors. Cite all authors, ’et al’ is not sufficient. Abbreviate journal names according to the Index Medicus system. Also see International Committee of Medical Journal Editors: Uniform requirements for manuscripts submitted to biomedical journals (www.icmje.org).

Examples
(b) Papers published only with DOI numbers: Theoharides TC, Boucher W, Spear K: Serum interleukin-6 reflects disease severity and osteoporosis in mastocytosis patients. Int Arch Allergy Immunol DOI: 10.1159/000063858.

Reference Management Software: Use of EndNote is recommended for easy management and formatting of citations and reference lists.

Digital Object Identifier (DOI)
S. Karger Publishers supports DOIs as unique identifiers for articles. A DOI number will be printed on the title page of each article. DOIs can be useful in the future for identifying and citing articles published online without volume or issue information. More information can be found at www.doi.org

Supplementary Material
Supplementary material is restricted to additional data that are not necessary for the scientific integrity and conclusions of the paper. Please note that all supplementary files will undergo editorial review and should be submitted together with the original manuscript. The Editors reserve the right to limit the scope and length of the supplementary material. Supplementary material must meet production quality standards for Web publication without the need for any modification or editing. In general, supplementary files should not exceed 10 MB in size. All figures and tables should have titles and legends and all files should be supplied separately and named clearly. Acceptable files and formats are: Word or PDF files, Excel spreadsheets (only if the data cannot be converted properly to a PDF file), and video files (.mov, .avi, .mpeg).

Author’s Choice™
Karger’s Author’s Choice™ service broadens the reach of your article and gives all users worldwide free and full access for reading, downloading and printing at www.Karger.com. The option is available for a one-time fee of CHF 3,000.00, which is a permissible cost in grant allocation. More information can be found at www.karger.com/authors_choice.

NIH-Funded Research
The U.S. National Institutes of Health (NIH) mandates under the NIH Public Access Policy that final, peer-reviewed manuscripts appear in its digital database within 12 months of the official publication date. As a service to authors, Karger submits the final version of your article on your behalf to PubMed Central (PMC) immediately upon publication. It usually receives a PMCID within approximately a month and will appear in PMC after 12 months. For those selecting our premium Author’s Choice™ service, the usual embargo will be overridden, accelerating the accessibility of your work. More details on NIH’s Public Access Policy are available at http://publicaccess.nih.gov/policy.htm.

Self-Archiving
Karger permits authors to archive their pre-prints (i.e. pre-refereeing) or post-prints (i.e. final draft post-refereeing) on their personal or institution’s servers, provided the following conditions are met: Articles may not be used for commercial purposes, must be linked to the publisher’s version, and must acknowledge the publisher’s copyright. Authors selecting Karger’s Author’s Choice™ feature, however, are also permitted to archive the final, published version of their article, which includes copyediting and design improvements as well as citation links.

Page Charges
All page charges are waived for manuscripts published in the first volume 2015. After 2015, there will still be no page charges for papers of 6 or fewer printed pages (including tables, illustrations and references). Each additional complete or partial page will be charged to the author at CHF 325.00. The allotted size of a paper is equal to approx. 18 double-spaced manuscript pages (including tables, illustrations and references).

Proofs
Unless indicated otherwise, proofs are sent to the corresponding author and should be returned with the least possible delay. Alterations other than the correction of printer’s errors are charged to the author.

Reprints
Order forms and a price list are sent with the proofs. Orders submitted after the issue is printed are subject to considerably higher prices.
Reflect, Rejuvenate, and REGENERATE

November 18-21, 2015
9th World Congress for Hair Research
Miami • Florida • USA

Join us in MIAMI

A Comprehensive, International Hair Research Meeting for the Advancement of Knowledge in Hair Growth, Hair and Scalp Disease, and Clinical Care

The North American Hair Research Society (NAHRS), with participation from the Australasian Hair & Wool Research Society, the European Society for Hair Research, the Hair Research Society of India, the Japanese Society for Hair Research, and the Korean Hair Research Society, will host the 9th World Congress for Hair Research, which will bring together hair biologists, dermatologists, cosmetic scientists and hair transplantation surgeons for this three and a half day comprehensive hair research meeting.

International colleagues will present new research, share experiences, and discuss new directions for the advancement of knowledge in hair growth, hair and scalp disease, and clinical care.

The Congress will include general sessions, scientific posters, pre-Congress workshops, networking opportunities, a full exhibits program, company sponsored satellite symposia, and more.

We invite you to attend!

Sincerely yours,
Congress Scientific Planning Committee

For all inquiries, please contact
NAHRS Administrator,
Victoria Ceh, MPA
info@nahrs.org

Plan to Attend
FOR INFORMATION AND REGISTRATION GO TO:
www.hair2015.org
Contents

See the journal website for contents
Tattooed Skin and Health

Editors
Jørgen Serup
Nicolas Kluger
Wolfgang Bäumler

With about 10–20% of the adult population in Europe being tattooed, there is a strong demand for publications discussing the various issues related to tattooed skin and health. Until now, only a few scientific studies on tattooing have been published. This book discusses different aspects of the various medical risks associated with tattoos, such as allergic reactions from red tattoos, papulo-nodular reactions from black tattoos as well as technical and psycho-social complications, in addition to bacterial and viral infections. Further sections are dedicated to the composition of tattoo inks, and a case is made for the urgent introduction of national and international regulations.

Contents

Preface: Serup, J.; Kluger, N.; Bäumler, W.

The Tattooed and the Social Environment

• The Cultural Heritage of Tattooing: A Brief History: Krutak, L.
• Epidemiology of Tattoos in Industrialized Countries: Kluger, N.

The Practice of Tattooing

• Tattoo Machines, Needles and Utilities: Rosenkilde, F.
• The Technique and Craftsmanship of Tattooing in the Professional Tattoo Parlour: Kristensen, L.
• Tattoo as Art, the Drivers Behind the Fascination and the Decision to Become Tattooed: Kierstein, L.; Kjelskau, R.C.
• Personal Records from My Tattoo Parlour: Deep Emotions Drawn as Life-Long Pictures on the Skin’s Canvas: Kristensen, L.
• Tattooist-Customer Relationships in a Diversified Environment of Professional Tattooists and Scratchers: Wedel Kristensen, M.

Tattoos and Adverse Events

• Tattoo Complaints and Complications: Diagnosis and Clinical Spectrum: Serup, J.; Hutton Carlson, K.; Sepahvi, M.
• Complications of Cosmetic Tattoos: De Couyper, C.
• Chronic Tattoo Reactions Cause Reduced Quality of Life Equaling Cumbersome Skin Diseases: Hutton Carlson, K.; Serup, J.
• Contraindications for Tattooing: Kluger, N.
• Laser Tattoo Removal, Precautions, and Unwanted Effects: Eklund, Y.; Troilius Rubin, A.
• Nanoscale Observations of Tattoo Pigments in Skin by Atomic Force Microscopy: Grant, C.A.; Twigg, P.C.; Tobin, D.J.

Manufacturing, Materials and Properties of Marketed Tattoo Ink Stock Products

• Manufacturing of Tattoo Ink Products: Today and in Future: European Legislation: Michel, C.
• The Relativistic Variables Underlying True Safety in Tattoo Pigment Manufacturing: Barth, M.
• Making Innovative Tattoo Ink Products with Improved Safety: Possible and Improbable Ingredients in Practical Usage: Dirks, M.
• Tailored Surface Engineering of Pigments by Layer-by-Layer Coating: Dähne, L.; Schneider, I.; Lewe, D.; Petersen, H.

Ingredients, Chemical Analysis and Safety of Marketed Tattoo Ink Stock Products

• Chemical Purify and Toxicology of Pigments Used in Tattoo Inks: Peteresen, H.; Lewe, D.
• Survey on European Studies of the Chemical Characterisation of Tattoo Ink Products and the Measurement of Potentially Harmful Ingredients: Agnellia, M.; Fontana, M.
• Tattoo Inks: Legislation, Pigments, Metals and Chemical Analysis: Prior, G.
• The Challenges and Limitations of Chemical Analysis of Particulate Pigments of Very Low Solubility: Dismen, D.
• Photostability and Breakdown Products of Pigments Currently Used in Tattoo Inks: Haauri, U.; Höhl, C.
• Carbon Black Nanoparticles and Other Problematic Constituents of Black Ink and Their Potential to Harm Tattooed Humans: Jacobsen, N.R.; Clausen, P.A.
• Absorption, Distribution, Metabolism and Excretion of Tattoo Colours and Ingredients in Mouse and Man: The Known and the Unknown: Bäumler, W.
• Survey of Studies on Microbial Contamination of Marketed Tattoo Inks: Bonadonna, L.

Regulation of and Intervention in the Tattoo Business

• The European Landscape of National Regulations of Tattoo Inks and Businesses: Laux, P.; Luch, A.
• EU Actions to Ensure the Safety of Tattoos and the Protection of Consumers: Blass Rito, A.M.
• Surveillance of Tattoo-Related Adverse Events by the EU RAPEX System and by National Monitoring: Verdiere, C.
• The Amsterdam Model for Control of Tattoo Parlours and Businesses: Veenstra, T.
• Hygiene Standards for Tattooists: Schmidt, A.
• Hygiene Standards in the Tattoo Parlour and Practices for Prevention of Infection: Bergström, J.; Bodlund, M.
• Seamless Prevention of Adverse Events from Tattooing: Integrated Strategy Emphasising the Customer-Tattooist Interaction: Serup, J.
• Regulation of Tattoo Ink Production and the Tattoo Business in the US: Haugh, I.M.; Laumann, S.L.; Laumann, A.E.

The easiest way to order: www.karger.com/cupde

Karger – Medical and Scientific Publishers
CH-4009 Basel, Switzerland
orders@karger.com, Tel +41 61 306 12 34
www.karger.com

Tattooed Skin and Health
Editors: Serup, J. (Copenhagen); Kluger, N. (Helsinki); Bäumler, W. (Regensburg)
X + 258 p., 110 fig., 85 in color, 25 tab., 2015
CHF 197.00 / EUR 164.00 / USD 232.00 (hard cover)
CHF 236.00 / EUR 197.00 / USD 278.00 (online)
Online version for institutional purchase, prices subject to change.
EUR price for Germany, USD price for USA and Latin America only

Current Problems in Dermatology, Vol. 48
Series Editors: Itin, P. (Basel); Jemec, G.B.E. (Rookide)
Recommended by: www.karger.com/cupde

Karger – Medical and Scientific Publishers
CH–4009 Basel, Switzerland
orders@karger.com, Tel +41 61 306 12 34
www.karger.com

An interdisciplinary update
Karger Publishers – 125 Years of Experience in Medical and Scientific Publishing

Karger Publishers – independent, family-run and Swiss-based.

It is our goal to serve the global scientific community with innovative and outstanding publications in all fields of medical science. This means dedication to maintaining the highest standards of quality, as well as personalized service for authors, editors and readers.

www.karger.com

Please order a free copy of the Karger Festschrift ‘Connecting the World of Biomedical Science’ by sending your address to 125years@karger.com.
Karger Publishers – 125 Years of Experience in Medical and Scientific Publishing

**Festschrift**
*Karger – Connecting the World of Biomedical Science*
This richly illustrated Festschrift chronicles the company’s development and contributions in the service of medicine and science since 1890. It tells the history of Karger Publishers until the present day.

Please send an e-mail to 125years@karger.com to receive your free copy or discover it online.
[www.karger.com/festschrift](http://www.karger.com/festschrift)

**Publishing Highlights 1890–2015**
Take a guided tour through 125 years of medical and scientific publishing! Follow us on a leisurely walk through interesting times, fascinating topics and beautiful illustrations.
[www.karger.com/highlights](http://www.karger.com/highlights)

**Karger Gazette**
The Karger Gazette anniversary issue explores the STM publishing business in the digital age, offers short portraits of Karger’s journal and book series editors as well as interviews with three renowned scientists.
[www.karger.com/gazette](http://www.karger.com/gazette)
Editorial

1 Another Medical Journal or Filling a Gap?
Rigopoulos, D. (Athens); Tosti, A. (Miami, Fla.)

Review Articles

6 Oxybutynin for the Treatment of Primary Hyperhidrosis: Current State of the Art
Campanati, A. (Ancona); Gregoriou, S.; Kontochristopoulos, G. (Athens); Offidani, A. (Ancona)

31 Acneiform Rash Induced by EGFR Inhibitors: Review of the Literature and New Insights
Fabbrocini, G.; Panariello, L.; Caro, G.; Cacciapuoti, S. (Naples)

Original Articles

1 Central Centrifugal Cicatricial Alopecia Presenting with Irregular Patchy Alopecia on the Lateral and Posterior Scalp
Miteva, M.; Tosti, A. (Miami, Fla.)

18 Trichotillomania in Children
Chandran, N.S. (Singapore); Novak, J. (Breda); Iorizzo, M. (Bellinzona); Grimalt, R. (Barcelona); Oranje, A.P. (Rotterdam)

28 Role of Titanium in the Development of Yellow Nail Syndrome
Decker, A. (New York, N.Y.); Daly, D. (Sandys); Scher, R.K. (New York, N.Y.)

43 Nail Psoriasis in Children: Common or Uncommon? Results from a 10-Year Double-Center Study
Piraccini, B.M. (Bologna); Triantafyllopoulou, I.; Prevezas, C. (Athens); Starace, M.; Neri, I.; Patrizi, A. (Bologna); Caserini, M.; Palmieri, R. (Lugano); Rigopoulos, D. (Athens)

49 Lichen Planopilaris in the Androgenetic Alopecia Area: A Pitfall for Hair Transplantation
Baquerizo Nole, K.L. (Miami, Fla.); Nusbaum, B. (Coral Gables, Fla.); Pinto, G.M. (Porto Alegre); Miteva, M. (Miami, Fla.)

Novel Insights from Clinical Practice

14 Onychomatricoma with Concomitant Subungual Glomus Tumor
Kallis, P.; Miteva, M.; Patel, T.; Zaiac, M.; Tosti, A. (Miami, Fla.)

25 Pili Annulati and Trichorrhexis Nodosa in the Same Patient: Cause or Coincidence?
Donati, A.; Andriolo, A.C.; Barletta, M.; Valente, N.; Romiti, R. (São Paulo)

38 An Idiopathic Leukonychia Totalis and Leukonychia Partialis Case Report and Review of the Literature
Canavan, T.; Tosti, A.; Mallory, H.; McKay, K.; Cantrell, W.; Elewski, B. (Birmingham, Ala.)