



Member Newsletter

2023 No. 005

Dear Member/Student,

Welcome to the latest World Trichology Society newsletter.



Current Trichological and Health News

1. Study Involving Mice Examines Root Cause Of Hair Turning Gray As People Age

[NPR](#) reported, “A team of researchers” working with mice “says it has identified the root cause” of hair turning gray as people age. The study revealed that “trapped stem cells” known as “melanocytes, also known as McSCs,” appear to “get stuck in one particular compartment called the hair follicle bulge.” These jammed cells “allow the hair to keep growing, but the hair isn’t given its dose of pigmentation.” The [findings](#) were published online in the journal Nature.

2. Study Reveals Association Between ASD, AA

[Dermatology Advisor](#) reports, “There is an association between autism spectrum disorder (ASD) and alopecia areata,” researchers concluded in a “study using data” from “patients (n=19,084) who were born in South Korea after 2002 and had three or more documented health care visits with a diagnosis of ASD between 2002 and 2019” and who “were matched in a 1:5 ratio with the general population (n=95,420).” The [findings](#) were published online ahead of print in a research letter published in the Journal of the American Academy of Dermatology.

3. The effect of probiotics on skin photoaging

In a systematic review and meta-analysis published in *Photodermatology, Photoimmunology & Photomedicine*, the authors aimed to assess the effects of probiotics on skin photoaging. This study included 13 articles examining the effects of probiotics on skin photoaging in humans and mice. The administration of probiotics in mice reduced the matrix metalloproteinase levels and reversed the UV-induced increase in epidermal thickness, UV-induced trans-epidermal water loss, and UV-induced skin dehydration. The authors propose that oral probiotics seem to have anti-inflammatory and skin barrier-restoring properties, although they discuss the limitations of murine experiments and the lack of standardized concentration, dosing, and timing for the probiotic.

4. Patients With Alopecia Areata May Have Increased Risk For Suicide Attempts Regardless Of Concurrent Psychiatric Disorders, Research Suggests

[Dermatology Advisor](#) reported, “Patients with alopecia areata (AA) have an increased risk for suicide attempts regardless of concurrent psychiatric disorders,” investigators concluded in a study that “included 10,515 patients with AA and 105,150 control individuals matched for age, sex, monthly insurance premium, residence, and comorbidities.” The [findings](#) were published online in the journal *Dermatology*.

5. In Phase 2 Study, Ivarmacitinib Doses Of 4 Mg And 8 Mg Appear Effective, Generally Tolerated In Treatment Of Adults With Moderate To Severe Alopecia Areata

[Healio](#) reports, “Ivarmacitinib doses of 4 mg and 8 mg were effective and generally tolerated in the treatment of adults with moderate to severe alopecia areata,” researchers concluded in the [findings](#) of a 94-patient, phase 2 study published online ahead of print in the *Journal of the American Academy of Dermatology*.

6. Efficacy Of Topical Therapies May Not Be Ideally Satisfactory For Patients With Plaque Psoriasis, Researchers Say

[HCPlive](#) reports, “The efficacy of topical therapies may not be ideally satisfactory for patients with plaque psoriasis,” investigators concluded in the [findings](#) of a 122-patient study published online in the *Journal of Dermatological Treatment*. The study team “observed that only 55% of patients using topical therapies to treat their psoriasis were satisfied with the treatment’s efficacy – a notable decrease from the rate of patients satisfied with its safety and convenience.”

7. Upadacitinib Tied To Significant Improvement In Quality Of Life For Patients With Alopecia Areata, Study Finds

[Dermatology Advisor](#) reports, “Upadacitinib is associated with fast hair regrowth and significant improvement in quality of life among patients with alopecia areata, according to a research letter.” The [findings](#) of the retrospective cohort study were published in Journal of the American Academy of Dermatology.

8. In Patients With Psoriasis And Eczema, Psycho-Cognitive Factors Appear To Impact QOL, Research Suggests

[Healio](#) reports, “In an analysis of” patients with psoriasis and eczema, “psycho-cognitive factors proved to impact quality of life” (QOL) “more than objective disease severity,” investigators concluded in a study that included “578 outpatient adults with psoriasis (n = 153) and eczema (n = 415).” The findings were presented in a poster at the American Academy of Dermatology 2023 Annual Meeting.

9. In Patients With Psoriasis, Adalimumab And Infliximab Retention Rates Appear To Decrease After 10 Years, Research Suggests

[Dermatology Advisor](#) reported, “After 10 years of use, only a small proportion of patients with psoriasis treated with infliximab and adalimumab remained on their initial medication regimen, with the majority discontinuing treatment due to ineffectiveness,” investigators concluded in “an observational retrospective study of 404 patients with psoriasis who received long-term treatment with adalimumab or infliximab between 2015 and 2020.” The [findings](#) were published online in the journal Dermatology.

10. In Phase 2b-3 Trial, Ritlecitinib Appears Safe, Effective In Patients Aged 12 Years And Older With Alopecia Areata

[Healio](#) reports, “Patients aged 12 years and older with alopecia areata exhibited positive efficacy rates and tolerability when treated with ritlecitinib over a 24-week period, according to” the [findings](#) of a phase 2b-3 trial published online in The Lancet.

11. Survey Study Evaluates Characteristics Impacting Adherence, Willingness Of Patients With Psoriasis To Use Topical Medications

[Healio](#) reported, “While topical formulas continue to be a primary treatment option in psoriasis, patients have reported certain characteristics that impact their adherence and willingness to use these medications,” investigators concluded in a 411-participant study that “evaluated the results of the National Psoriasis Foundation’s 17-question survey conducted in March 2022, which assessed psoriasis severity, signs and symptoms considered bothersome, treatment modalities currently used, topical therapy use frequency and vehicle preferences.” The [findings](#) were published online in the Journal of Drugs in Dermatology.

12. Tomato-Based Oral Carotenoid Supplement Improves Skin Appearance, Study Shows

[Dermatology Advisor](#) reports that supplementation with Lycomato soft gels, a tomato-based oral carotenoid, “is associated with more youthful-appearing skin, such as reduced tonality and wrinkles and improved smoothness and firmness.” The findings of the study were [published](#) in Journal of Cosmetic Dermatology.

Journal Articles

For journal publications, click on the URL under the title of the topic you wish to see and it will open to a *free* abstract of the article. For obtaining the full article, just follow the relevant prompts on the site (*a payment may be required for the full article*).



1. **Acquired progressive kinking of the hair following COVID-19 disease**

Markus Böhm MD, Peter F. Schmidt MD

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ijd.16662?>

2. **Assessment of hydroxychloroquine use and QT interval duration in female patients with frontal fibrosing alopecia**

Shivali Devjani MS, et al.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ijd.16663?>

3. **Commonly used hair oils in the Black community: a narrative review in their use to treat androgenetic alopecia**

Jewell Dinkins MS, et al.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ijd.16657?>



1. **A split scalp study to evaluate the effects of platelet rich plasma prepared by two different methods in androgenetic alopecia**

Anil Budania MD, Saptarshi Mandal MD, Akriti Agrawal MBBS, Utkrist Lahoria MD, Yashdeep Singh Pathania MD

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ajd.14030?>



- 1. The role of trichoscopy beyond hair and scalp diseases. A review**
Lidia Rudnicka, Sylwia Chrostowska, Mateusz Kamiński, Anna Waśkiel-Burnat, Agnieszka Michalczyk, Adriana Rakowska, Małgorzata Olszewska
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.19047?>
- 2. Adverse events in patients treated with Jak-inhibitors for alopecia areata: a systematic review**
A. Sechi, J. Song, M. Dell'Antonia, K. Heidemeyer, B. M. Piraccini, M. Starace, L. Naldi
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.19090?>
- 3. Real-data on the use of baricitinib in adolescents with severe alopecia areata**
Jinshan Zhan, Juanmei Cao, Fangqi Chen, Yifan Jin, Changzheng Huang
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.19121?>
- 4. Frontal fibrosing alopecia associated with lichen planus pigmentosus: A multicentre retrospective descriptive analytical study of 104 patients**
Flavia Oliveira Xavier de Brito, Rita Fernanda Cortez de Almeida, Carla Jorge Machado, Luciana Rodino Lemes, Andre Luiz Vairo Donda, Aline Blanco, Aline Lucy Galavotti Silveira, Andreia Munck, Caren dos Santos Lima, Carolina Porto Cotrim Canela, Carolina Oliveira Costa Fechine, Daniel Lago Obadia, Giselle Martins Pinto, Lorena Dourado Alves, Maria Fernanda Reis Gavazzoni Dias, Marcela Benez, Marcelo Rigatti, Nadia El Kadi, Priscila Kakizaki, Renan Minotto, Sidney Frattini, Paulo Müller Ramos, Daniel Fernandes Melo
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.19093?>

1. **Effect of *Plantago asiatica L.* extract on the anagen phase in human hair follicle dermal papilla cells**
Jiyeon Lee MSc, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15720?>
2. **Quality of life in mothers of children with psoriasis**
EmadEldin Abd Elmoneim Elgamal MD, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15737?>
3. **Hair length in association with hair care regimen and healthy habits in Black women**
Nikita Wong MS, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15696?>
4. **Rare and misdiagnosed entity fibrosing alopecia in a pattern distribution: A case report**
Mariem Tabka MD, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15743?>
5. **A challenge of deep-learning-based object detection for hair follicle dataset**
Wei Lv PhD, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15742?>
6. **The frequency of fatty liver in patients with alopecia areata: A case-control study**
Zohreh Tehranchinia MD, et al..wiley.com/doi/full/10.1111/jocd.15754?
7. **An umbrella review of the use of platelet-rich plasma in the treatment of androgenetic alopecia**
Caihong Li MD, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15617?>



1. **Scalp hair loss is not random across follicular units: A new insight into human hair ageing**

Junyu Luo, et al.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12851?>

2. **Assessment of the anti-hair loss potential of *Camellia japonica* fruit shell extract in vitro**

Jiyoung You, Jieun Woo, Kyung-Baeg Roh, Dehun Ryu, Youngsu

Jang, Eunae Cho, Deokhoon Park, Eunsun Jung

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12827?>

3. **Hair surface interactions against different chemical functional groups as a function of environment and hair condition**

Leslie Labarre, Ophélie Squillace, Yu Liu, Peter J. Fryer, Preeti Kaur, Shane

Whitaker, Jennifer M. Marsh, Zhenyu J. Zhang

<https://onlinelibrary.wiley.com/doi/full/10.1111/ics.12834?>

4. **Enhanced piroctone olamine retention from shampoo for superior anti-dandruff efficacy**

Eric S. Johnson, Debora W. Chang, James R. Schwartz, Ulrike Blume-

Peytavi, James P. Henry, Tamara L. Caterino, Allison L. Talley

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12835?>

5. **Promotion of glyoxylic acid penetration into human hair by glycolic acid**

Makoto Uyama, Shinya Okabe, Takumi Kurashima, Rie Kurinobu, Miwa

Takechi, Ryo Yoshiba, Rina Miyoshi, Seigi Noda, Mio Kaneko, Yuka

Ikemoto, Atsushi Takahara, Yuji Higaki, Tetsuya Hama

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12838?>

1. **Current developments and perspectives in psoriasis**

Michael P. Schön, Dagmar Wilsmann-Theis

<https://onlinelibrary.wiley.com/doi/full/10.1111/ddg.15033?>

2. **Lupus erythematosus**

Claudia Günther, Jörg Wenzel

<https://onlinelibrary.wiley.com/doi/full/10.1111/ddg.15049?>



1. **A child with generalized hypertrichosis due to secondary topical minoxidil exposure**

Giulio Maltoni MD, et al.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/pde.15329?>

QUESTION FOR CTE® CREDIT (FOR MEMBERS ONLY):

**PLEASE EMAIL ANSWER
TO:INFO@WORLDTRICHOLOGYSOCIETY.ORG**

In Wong et al.'s research article regarding "Hair length in association with hair care regimen and healthy habits in Black women", what factors affect the growth of afro-textured hair?

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