



Member Newsletter

2023 No. 002

Dear Member/Student,

Welcome to the latest World Trichology Society newsletter.



Current Trichological and Health News

1. Study Assesses Seasonal Patterns In Initiation, Discontinuation, And Switching From Systemic Agents In Patients With Psoriasis

Dermatology Advisor reports, “The initiation of systemic agents for psoriasis peaks in spring and decreases in summer and fall, according to” a “retrospective ecological study” that “assessed seasonal patterns in the initiation, discontinuation, and switching from systemic agents in patients with psoriasis.” The study data, published in JID Innovations, “were obtained from the Optum Clinformatics Data Mart.”

2. Novel Computer-Based Algorithm Can Track Progress Of Hair Loss In Patients With Various Types Of Alopecia, Research Suggests

Healio reports, “A novel computer-based algorithm can track the progress of hair loss in patients with various types of alopecia,” researchers concluded in a study that sought “to develop and validate a new model, HairComb, to automatically compute the percentage hair loss from images regardless of the alopecia subtype of the patient.” The 404-participant study revealed that “the HairComb system had 92% accuracy, with a 5% regression error and a 7% difference in hair loss.” The findings were published online in JAMA Dermatology.

3. Compared With General Population, Patients With Alopecia Areata May Be More Likely To Develop Anxiety, Depressive Disorders

According to HCPlive, patients with alopecia areata may be “more likely to develop anxiety and depressive disorders compared to the general population,” researchers concluded in the findings of a systematic review and meta-analysis published online in JAMA Dermatology.

4. Greater Adherence To Four Healthy Eating Patterns May Be Tied To Lower Risk Of Mortality

According to CNN people “can reduce” the “risk of an early death for any reason by nearly 20%, just by eating more foods from” a “choice of four healthy eating patterns, according” to findings published online in JAMA Internal Medicine. The study revealed that individuals “who more carefully followed any of the healthy eating patterns – which all share a focus on consuming more whole grains, fruits, vegetables, nuts and legumes – were also less likely to die from cancer, cardiovascular illness, and respiratory and neurodegenerative disease. Among 75,230 women from the Nurses’ Health Study and 44,085 men from the Health Professionals Follow-up Study, those who scored in the highest quintile for healthy eating patterns recommended by the Dietary Guidelines for Americans...had a 14% to 20% lower risk of total mortality versus those in the lowest quintile,” the study revealed. The four healthy eating patterns include the Healthy Eating Index 2015, the Alternate Mediterranean Diet, the Healthful Plant-Based Diet Index, and the Alternate Healthy Eating Index.

5. FDA Calls For Stricter Regulation Of CBD Products

The Washington Post reports that on Thursday, the FDA “announced...that products infused with” cannabidiol (CBD) “do not appear to meet federal safety standards and require more strict regulations.” The FDA also “says it sees no legal path forward for the use of CBD in dietary supplements or conventional foods.” The agency “decided not to draft new rules but instead press Congress for new legislation regarding the issue. New rules could include clear labels, regulations regarding contaminants, limits on CBD levels and requirements, such as a minimum purchase age.” Also, regulations are “needed for CBD products for animals, the agency said.” Reports the FDA said, “A new regulatory pathway for CBD is needed that balances individuals’ desire for access to CBD products with the regulatory oversight needed to manage risks.”

6. Systematic Review Identifies Association Between Psoriasis, Anxiety Disorder/Symptoms

According to HCPLive a 101-study systematic review and meta-analysis “identified an association between psoriasis and anxiety disorder/anxiety symptoms for both children and adult patients with the skin condition.” The findings were published in the journal Acta Dermato-Venereologica.

7. Researchers Identify New Genes, Gene Regulators Linked To Body Hair

The Washington Post reports, “Roughly a million years ago human beings lost most of their body hair, a key moment in evolution that involved major changes to the same set of genes that determined whether many of our fellow mammals kept or lost their coatings of fur, according to new research.” Investigators “compared our genetic blueprints with those of 62 other mammals, including elephants, manatees and armadillos, examining how hairlessness evolved in different species at different times.” They “also identified new genes and gene regulators linked to body hair, a discovery that may someday be used to treat millions of balding Americans.” The study was published in the journal eLife.

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. Study on hair root lipids of female androgenetic alopecia based on UPLC-Q-TOF/MS results

Xiao-qian Yu, Cong-fen He, Yan Tian

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.18832?>

2. Systematic review of newer agents for the management of alopecia areata in adults: Janus kinase inhibitors, biologics and phosphodiesterase-4 inhibitors

Aditya K. Gupta, Tong Wang, Shruthi Polla Ravi, Mary A.

Bamimore, Vincent Piguet, Antonella Tosti

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.18810?>

3. A Practical Approach to the Management of Hair Loss in Patients with Polycystic Ovary Syndrome

Elizabeth J. Klein, Christina S. Oh, Maria Karim, Jerry Shapiro, Kristen Lo Sicco

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.18842?>

4. Quality of Life in Children and Adolescents with Alopecia areata – A Systematic Review

Mona Prendke, Varvara Kanti-Schmidt, Doris Wilborn, Kathrin

Hillmann, Rashmi Singh, Annika Vogt, Jan Kottner, Ulrike Blume-Peytavi

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.18848?>

1. **Skin-on-a-chip strategies for human hair follicle regeneration**

Subin Jeong, Yoojin Na, Hyeon-Min Nam, Gun Yong Sung

<https://onlinelibrary.wiley.com/doi/full/10.1111/exd.14699?>

International Journal of Cosmetic Science



SOCIÉTÉ FRANÇAISE DE
COSMÉTOLOGIE



1. **Enhanced Piroctone Olamine Retention from Shampoo for Superior Anti-Dandruff Efficacy**

E. S. Johnson, D. W. Chang, J. R. Schwartz, U. Blume-Peytavi, J. P.

Henry, T. L. Caterino, A. L. Talley

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

2. **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?>

3. **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?>

CONTACT DERMATITIS

CUTANEOUS ALLERGY
ENVIRONMENTAL AND OCCUPATIONAL DERMATITIS

1. **Systematic review on skin adverse effects of important hazardous hair cosmetic ingredients with a focus on hairdressers**

Wolfgang Uter, et al.

<https://onlinelibrary.wiley.com/doi/full/10.1111/cod.14236?>

2. **Bleaching powders, bleaching creams and other hair lightening preparations as sources for (airborne) allergic contact dermatitis and other health effects in hairdressers: Results of an empirical study**

Cara Symanzik, et al.

<https://onlinelibrary.wiley.com/doi/full/10.1111/cod.14242?>



1. **Comparative evaluation of the efficacy of topical tacrolimus 0.03% and topical calcipotriol 0.005% mixed with betamethasone dipropionate versus topical clobetasol 0.05% in treatment of alopecia areata: A clinical and trichoscopic study**

Amany Nassar MD, et al.

<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15558?>

2. **Alopecia areata and pattern hair loss (androgenetic alopecia) on social media – Current public interest trends and cross-sectional analysis of YouTube and TikTok contents**

Aditya K. Gupta MD, PhD, Shruthi Polla Ravi MEd, Tong Wang MEd

<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15605?>

1. **The use of epidermal growth factor in dermatological practice**

Sun Hye Shin, Young Gue Koh, Woo Geon Lee, Joon Seok, Kui Young Park

<https://onlinelibrary.wiley.com/doi/full/10.1111/iwj.14075?>



1. **A Comparative Study of Histopathologic Features in Alopecia Areata and Pattern Hair Loss**

John Plante MD, MSCR, Manuel Valdebran MD, Jessica Forcucci MD, John Bosland MD, Amira Elbendary MD, Richa Jaiswal MBBS, Dirk Elston MD

<https://onlinelibrary.wiley.com/doi/abs/10.1111/cup.14384?>



1. **The effect of COVID-19 on development of hair and nail disorders: a Turkish multicenter, controlled study**

Ömer Kutlu MD, MRCP, EBDV, et al.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ijd.16454?>

2. **Systemic minoxidil for hair disorders in pediatric patients: a safety and tolerability review**

Jared M. John MBBS, MPH, Rodney D. Sinclair MBBS, MD, FACD

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ijd.16373?>

1. **Assessing the effect of cleansing products on artificially polluted human hairs and skin through in vivo and in vitro models**

Galliano Anthony, Ye Chengda, Su Fengjie, Wang Chad, Rakshit Rima, Guerin Myriam, Flament Frédéric, Steel Andrew
<https://onlinelibrary.wiley.com/doi/full/10.1111/srt.13220?>

JAMA Dermatology

1. **Evaluation of the Safety and Effectiveness of Nutritional Supplements for Treating Hair Loss: A Systematic Review**

Lara Drake, BA; Sophia Reyes-Hadsall, BS; Jeremy Martinez, BS; et al.
<https://jamanetwork.com/journals/jamadermatology/fullarticle/2798840?>

2. **Progressive Hair Loss With Short Hair in a Child**

Chia-Lun Li, MD; Chih-Chiang Chen, MD, PhD
<https://jamanetwork.com/journals/jamadermatology/fullarticle/2798500?>



1. **Regrowth of hair in congenital triangular alopecia induced by sublingual minoxidil**

Karlijn L. J. Clarysse MD, Rodney Sinclair MD, PhD
<https://onlinelibrary.wiley.com/doi/abs/10.1111/ajd.13976?>

QUESTION FOR CTE® CREDIT (FOR MEMBERS ONLY):
PLEASE EMAIL ANSWER
TO:INFO@WORLDTRICHOLOGYSOCIETY.ORG

In Shin et al.'s research article regarding "The use of epidermal growth factor in dermatological practice", what was the result of Paek et al.'s paper on the effectiveness of EGF on hair loss?

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