



Member Newsletter

2023 No. 003

Dear Member/Student,

Welcome to the latest World Trichology Society newsletter.



Current Trichological and Health News

1. Inhibition Of PCSK9 Pathway May Have Significant Association With Reduced Risk Of Psoriasis

MedPage Today reports, “Inhibition of the PCSK9 pathway, best known for its links with dyslipidemia, had a significant association with a reduced risk of psoriasis, irrespective of lipid levels, according to” the findings of “a study focused on genetic variants” published online in *JAMA Dermatology*. The study, which analyzed data from 12,116 patients with psoriasis and about 1.3 million people with LDL measurements, revealed that “genetically proxied inhibition of PCSK9 (proprotein convertase subtilisin/kexin type 9) significantly reduced the odds ratio for psoriasis in separate analyses of two large databases,” whereas “targeting two other well-known pathways associated with lipid metabolism did not influence psoriasis risk.”

2. Pediatric Dermatologists Discuss Advantages Of Biologic Therapy For Some Patients

In a feature article in this month’s Dermatology World, “pediatric dermatologists” discussed “the advantages of biologic therapy for some patients as well as how to explain the risks and benefits with patients, families, and caregivers.” The article outlined when to use a biologic and how to have a risk-benefit discussion. It also discussed dupilumab for the treatment of atopic dermatitis, biologics for treating psoriasis, and access to such treatments.

3. Focused On Issues Tied To Hair And Skin

In a feature article in Dermatology World, “experts offer a primer on what dermatologists should keep their eyes on” regarding “new legislation pertaining to issues related to the hair and skin.” Discussed were the CROWN Act, an FDA regulatory update on sunscreen, state legislation regarding bans of sunscreens containing certain ingredients or their environmental impact, and proposed legislation on indoor tanning.

4. Social Media May Have Negative Effect On Mental Health Of Adolescents

Healio reported “social media may contribute to the high rates of mental health problems and disorders among adolescents with acne and atopic dermatitis, according to” a study in which researchers “used a modified Delphi technique comprising face-to-face discussions that were followed up online.” The findings presented at the South Beach Symposium 2023 revealed “the majority of the study statements detailed the negative effect of social media on body image, with a greater use of social media being associated with body dissatisfaction, appearance anxiety, drive for thinness, self-objectification and lower self-esteem.”

5. Exosomes Change How Dermatologists Heal Skin

Healio reports that “although they should never be injected, exosomes could change the way dermatologists heal the skin, according to a speaker at South Beach Symposium.” Michael H. Gold, MD, of Gold Skin Care Center and Tennessee Clinical Research Center in Nashville, said, “You cannot inject these products, period. ... If you do, you are setting yourself up for a really bad time.” Although they are “currently considered cosmetic products and not drugs, exosomes could have the potential to contribute to enhanced knowledge of inflammatory skin diseases and skin cancers in the future, according to Gold.”

6. Cigarette Smoking As Risk Factor For Increased Psoriasis Risk Among Postmenopausal Women

Dermatology Advisor reports, “Among postmenopausal women, cigarette smoking was found to be associated with increased risk for psoriasis,” and “smoking cessation was found to be associated with a decreased risk for psoriasis for moderate smokers in this population,” investigators concluded after conducting “a review that included 118,097 postmenopausal women linked to Medicare data who were enrolled in the Women’s Health Initiative...between 1993 and 1998.” The findings were published online in the American Journal of Clinical Dermatology.

7. “Substantial” Burden Of Overweight, Obesity Appears To Exist Among People With T1D

Medwire News reports, “There is a ‘substantial’ burden of overweight and obesity among people with type 1 diabetes” (T1D), according to the findings of a research letter published online in the *Annals of Internal Medicine*. The study “team studied 128,571 US citizens who participated in the nationally representative National Health Interview Survey...in the years 2016, 2017, 2019, 2020, or 2021,” finding that “the rates of overweight and obesity were 34% and 28%, respectively, among the 733 people with type 1 diabetes, which were similar to the rates of 36% and 28%, respectively, among the 115,441 without diabetes. About 62% of adults with type 1 diabetes were overweight or obese, the researchers” concluded, which “compared to 64% of those without diabetes and 86% of those with type 2 diabetes.” In spite of “these high numbers, only slightly more than half of adults with type 1 diabetes who were overweight or had obesity received lifestyle recommendations from healthcare providers, such as to increase physical activity or cut calories, the” study team concluded, saying that “this is likely because the insulin required to treat type 1 diabetes carries the risk of dangerously low blood sugar levels...if combined with intense exercise or severely reduced calorie intake.”

8. COVID-19 Tied To Greater Risk Of Diabetes, But COVID-19 Vaccination Diminishes Risk, Study Finds

CNN reports people who have had COVID-19 “have a higher risk of developing diabetes, and that link seems to have persisted into the Omicron era, a new study” published in *JAMA Network Open* found. The researchers found COVID-19 “increased the odds of a new diabetes diagnosis by an average of about 58%.” The study specifically found “adults who contract COVID-19 have a higher risk for developing incident diabetes in the 90 days after the infection compared with before the infection.” The study also found “vaccination against SARS-CoV-2 appears to diminish” the likelihood of “diabetes following COVID-19 infection.”

9. NBC Lists Best Shampoos To Treat Dandruff

NBC News reports that “according to the American Academy of Dermatology,” dandruff is “easily treatable with a dandruff shampoo.” While looking for “a dandruff shampoo or treatment,” people should consider certain ingredients, including coconut oil, apple cider vinegar, and tar. NBC lists the seven best dandruff shampoos that patients can use “for a dry, flaky scalp.”

10. Higher Levels Of Physical Activity Tied To Lower Risks For Hospitalization For Common Conditions

HealthDay reported, “Higher levels of physical activity are associated with lower risks for hospitalization for nine of the 25 most common reasons for hospitalization, according to a study” based on data from the UK Biobank. Researchers “found that higher levels of accelerometer-measured physical activity were associated with lower risks for hospitalization for” gallbladder disease, diabetes, urinary tract infections, pneumonia, venous thromboembolism, iron deficiency anemia, ischemic stroke, diverticular disease, and colon polyps. In the study published in JAMA Network Open, the team wrote, “Increasing moderate-to-vigorous physical activity by 20 minutes per day may be a useful nonpharmaceutical intervention to reduce hospital admissions for many common health conditions, which could lower hospital burdens and improve quality of life.”

11. Compared With Cisgender Women, Transgender And Gender-Diverse Patients Receiving Masculinizing Hormone Therapy May Have 2.5 Times The Rate Of Androgenetic Alopecia Incidences, Study Indicates

Healio reports, “Transgender and gender-diverse patients receiving masculinizing hormone therapy have 2.5 times the rate of androgenetic alopecia incidences compared with cisgender women,” researchers concluded in a study “comprised of health records from 37,826 patients.” The findings were published online ahead of print in the Journal of the American Academy of Dermatology.

12. Systematic Review Evaluates How Current Topical Treatments For Psoriasis Meet Patient Expectations

Healio reported “once-daily halobetasol propionate 0.01% and tazarotene 0.045% fixed-combination lotion stands out as a favorable treatment option amid topical therapies deemed unsatisfactory by” patients with psoriasis, according to a systematic review that “evaluated surveys and studies to determine how current topical treatments meet patient expectations, giving particular attention to combination regimens using corticosteroids.”

According to the findings published in the Journal of Drugs in Dermatology, “researchers found that patients attribute satisfaction and effectiveness to skin clearance, symptom relief and ease of use.”

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. **Pediatric androgenetic alopecia: an updated review**

Tiago Fernandes Gomes, Rui Oliveira Soares

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ddg.14940?>



1. **A comparative study of histopathologic features in alopecia areata and pattern hair loss**

John Plante MD, MSCR, et al.

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



1. **Biologics in pediatric psoriasis**

Wen-Ming Wang, Hong-Zhong Jin

<https://onlinelibrary.wiley.com/doi/full/10.1111/1346-8138.16702?>

2. **Hair loss after drug reaction with eosinophilia and systemic symptoms (DRESS): A multicentric retrospective case series**

Ji Won Lee, Da-Ae Yu, Soyun Cho, Sang Woong Youn, Ohsang Kwon

<https://onlinelibrary.wiley.com/doi/abs/10.1111/1346-8138.16715?>

1. **Pediatric alopecia areata following COVID-19 infection**
Astrid Herzum MD, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15618?>
2. **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?>
3. **Effect of fractional laser alone or in combination on alopecia areata: A systematic review and meta-analysis**
Yuqing Shen MD, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15630?>
4. **Regulation of epidermal proliferation and hair follicle cycling by synthetic photostable retinoid EC23**
Arto Määttä PhD, Rebecca Nixon Bsc (hons), Neil Robinson BSc (hons), Carrie A. Ambler PhD, Kirsty Goncalves PhD, Victoria Maltman PhD, Stefan Przyborski PhD
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15629?>
5. **Double ring sign as a specific dermoscopic feature of lichen planopilaris: Toward a deeper understanding of disease**
Mina Saber MD, Farahnaz Fatemi Naeini MD
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15663?>
6. **Rethinking of positive effects of eggs on hair in East Asia**
Jina Jung BA, Ki Han Kwon PhD
<https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15469?>

7. **The efficacy and safety of the combination of photobiomodulation therapy and pulsed electromagnetic field therapy on androgenetic alopecia**

Mi Soo Choi MD, Byung Cheol Park MD, PhD

[https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15490?](https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15490)

8. **Combined microneedling with topical vitamin D3 or bimatoprost versus microneedling alone in the treatment of alopecia areata: A comparative randomized trial**

Mona S. Ali MD, Hala S. A. Hafiz MD, Naglaa A. Ahmed MD, Sara Ahmed Galal MD

[https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15569?](https://onlinelibrary.wiley.com/doi/full/10.1111/jocd.15569)



1. **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?](https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12835)

2. **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/abs/10.1111/ics.12834?](https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12834)

3. **How different is human hair? A critical appraisal of the reported differences in global hair fibre characteristics and properties towards defining a more relevant framework for hair type classification**

Gabriela Daniels, Ashiana Fraser, Gillian E. Westgate

[https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12819?](https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12819)



1. **A practical approach to the management of hair loss in patients with polycystic ovary syndrome**
Elizabeth J. Klein, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.18842?>
2. **The burden of alopecia areata: a scoping review focusing on quality of life, mental health and work productivity**
Anastasiya Muntyanu, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.18926?>
3. **Long-term patient-reported perception and experience of methylprednisolone pulse with or without methotrexate in alopecia areata: a French retrospective single-center cohort.**
T. Guillaume, E. Puzenat, F. Dresco, F. Aubin, I. Gallais Séréal
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.18885?>
4. **Pharmacological treatment of cardiovascular risk factors in patients with psoriasis: A Danish nationwide study**
M. S. Liljendahl, N. Loft, A. Passey, S. Wegner, A. Egeberg, L. Skov
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.18873?>
5. **Quality of life in children and adolescents with alopecia areata**
Mona Prendke, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/jdv.18848?>
6. **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?>

7. **Exploring the overlap between alopecia areata and major depressive disorder: Epidemiological and genetic perspectives**

J. C. Foo, S. Redler, A. J. Forstner, F. B. Basmanav, L. Pethukova, J. Guo, F. Streit, S. H. Witt, L. Sirignano, L. Zillich, S. Avasthi, S. Ripke, A. M. Christiano, F. Tesch, J. Schmitt, M. M. Nöthen, R. C. Betz, M. Rietschel, J. Frank
<https://onlinelibrary.wiley.com/doi/full/10.1111/jdv.18921?>



1. **Infantile vitiligo and alopecia in immunodysregulation polyendocrinopathy enteropathy X-linked syndrome**

Wai Quen Lee MRCPCH, Kin Fon Leong MRCPCH
<https://onlinelibrary.wiley.com/doi/abs/10.1111/pde.15266?>

2. **Psychosocial impact of pediatric alopecia areata: A survey study**

Sarah Benton MD, Gretchen Bellefeuille BS, Katelyn Rypka BS, Audrey Nguyen BS, Ora Raymond BA, Kristina Gorbatenko-Roth PhD, Sheilagh Maguiness MD, Maria K. Hordinsky MD
<https://onlinelibrary.wiley.com/doi/abs/10.1111/pde.15237?>

JAMA Dermatology

1. **Automating Hair Loss Labels for Universally Scoring Alopecia From Images: Rethinking Alopecia Scores**

Cameron Gudobba, BA; Tejas Mane, MSE; Aylar Bayramova, BS; et al.
<https://jamanetwork.com/journals/jamadermatology/fullarticle/2799338?>

1. **Basal cell carcinomas of the scalp after radiotherapy for tinea capitis: Clinicopathological study in a case series of 96 patients with analysis of 427 tumours**

José Carlos Cardoso MD, Francisca Alves MD, Rebeca Calado MD, Mariana Batista MD, Isabel Marques Carreira PhD, Oscar Tellechea PhD

<https://onlinelibrary.wiley.com/doi/full/10.1111/ajd.13940?>

1. **Effects of oral minoxidil on nails: a cross-sectional analysis**

Waleed Alsalhi MD, Betty Nguyen BS, Brian W. Morrison MD, Eran C. Gwillim MD, Antonella Tosti MD

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ijd.16608?>

***QUESTION FOR CTE® CREDIT (FOR MEMBERS ONLY):
PLEASE EMAIL ANSWER
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In Gudobba, et al.'s research article regarding "Rethinking Alopecia Scores", what measurements were used for the scoring systems correlation analysis?

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