



Member Newsletter

2021 No. 004

Dear Member/Student,

Welcome to the latest World Trichology Society newsletter.

For WTS News, please go to the 'Announcement' page of the website:

<https://worldtrichologysociety.org/society/forums/forum/announcements/>

Current Trichological and Health News

1. Frontal Fibrosing Alopecia May Be Tied To Use Of Ordinary Facial Soap, Moisturizers, Case-Control

Healio reports researchers found in a case-control study that “frontal fibrosing alopecia [FFA] was associated with use of ordinary facial soap and moisturizers.” Included in the study were “451 patients with FFA and an equal number of sex-matched controls accrued at 11 referral centers in” Brazil. After adjusting for certain factors, investigators observed “an association...between FFA and hair straightening with formalin.” What’s more, FFA “carried associations with use of ordinary non-dermatologic facial soap...and facial moisturizer.” The findings were published in the Journal of the American Academy of Dermatology.

2. Researchers Investigate Association Between Alopecia Areata And Natural Hair Color

Healio reported, “Alopecia areata [AA] was more common in black and dark brown hair than light brown and blond hair, supporting an association between the disorder and natural hair color,” researchers concluded after conducting “a matched, case-control study” in which 1,673 cases of AA were identified in “502,510 white individuals reviewed for inclusion.” The findings were published online in JAMA Dermatology.

3. Depression, Anxiety May Be Tied To Patient Overestimation Of Psoriasis Severity, Study Indicates

HCPlive reports, “A cohort study of” 502 “patients with psoriasis found that discordance in physician and patient disease severity assessments was associated with poorer mental health status.” The study revealed that patients “who were considered positive for depression or anxiety were more likely to overestimate their psoriasis severity compared with their physician.” The findings were published online in JAMA Dermatology.

4. Inflammatory Skin Conditions Associated With Higher COVID-19 Risk, Study Indicates

Dermatology Advisor reports researchers found “inflammatory skin conditions may be associated with higher risk for COVID-19.”

The findings were published in the Journal of Allergy and Clinical Immunology.

5. Wall Street Journal Offers Advice To People Experiencing Hair Loss

The Wall Street Journal reports on how stress, aging, and medical conditions can affect people’s hair, quoting several dermatologists offering advice to people who are experiencing hair thinning due to stress. The Journal also recommends several products for these people.

6. Dermatologists Offer Advice On Using Apple Cider Vinegar As A Natural Remedy For Some Ailments

CNN reports on some of the benefits of apple cider vinegar. For example, Dr. Marie Jhin said, “I do love it for bites, especially mosquito bites. It’s a very underutilized home remedy. If you have a lot of bites, put two cups in a full tub of water and soak. It will help with itching.” Dr. Jhin also said, “It will dry out a pimple, but it’s not an anti-aging method. I wouldn’t recommend it. We have much more effective and safe methods today than this.” However, Dr. Michael Lin said, “I’ve had quite a few patients harmed by apple cider vinegar. One terrible example was a man trying to treat genital warts. When he came into the office, the entire area was raw, burned by the vinegar.” Dr. Lin added, “I don’t know if he was using it full-strength, but whatever he was doing it was too strong. He probably has permanent scarring from that natural home treatment.” Dr. Lin warned, “With apple cider vinegar, you don’t know what strength you’re getting. It depends on the brand, and even among batches within a brand, you could get different concentrations of acidity. If you do choose to use apple cider vinegar, try to buy a name brand that clearly labels the acidity level. And whatever you do, don’t use it full-strength.”

7. Expert Discusses Surprising Recent Insights Into Pathophysiology Of Psoriasis

Rheumatology News reports, “Several surprising recent insights into the pathophysiology of psoriasis may eventually lead to superior treatment strategies for this common T-cell-mediated disease, Kenneth Brian Gordon, MD, said at MedscapeLive’s” annual Las Vegas Dermatology Seminar (virtual). Among these insights “was the startling finding that skin inflammation in mild psoriasis is at least as great as in severe disease; evidence that psoriasis may actually be an autoimmune disease rather than a nonspecific immune-mediated disease; and the newly appreciated importance of interleukin-19 (IL-19) in keratinocyte proliferation, according to Dr. Gordon, professor and chair of the department of dermatology at the Medical College of Wisconsin, Milwaukee.”

8. The latest on the association between diet and acne (folliculitis)

In an article published in the *International Journal of Dermatology*, study investigators reviewed 53 articles on the association between diet and acne published over the past 10 years. They found that acne-promoting factors include high glycemic index (GI)/glycemic load (GL) foods, dairy products, high-fat foods, and chocolate. Foods that seem to protect against acne include fatty acids as well as fruit and vegetable intake. Many studies have confirmed that consumption of a large amount of high GI/GL is a major factor in the promotion and exacerbation of acne. Hyperglycemia and hyperinsulinemia resulting from eating high GI/GL foods increase insulin-like growth factor 1, which in turn promotes keratinocyte hyperproliferation and an androgenic increase that contributes to acne. The acnegenic property of milk may be tied primarily to its content in hormonal components or other bioactive molecules like steroids or growth factor stimulating hormones rather than to its content in fat compounds (e.g., skim milk is consistently associated with acne). While milk has a low GI, the hormonal components increase glycemic and insulinemic levels mimicking the effects of high GI/GL foods as well as other biomolecular processes

9. Nail Psoriasis and PsA Link

Healio reported, “Patients with nail psoriasis may be more likely to develop psoriatic arthritis [PsA] and should be closely monitored for predictive signs,” investigators concluded in a 66-study analysis, the findings of which were published in the Journal of Rheumatology.

10. Lifestyle Habits That Protect The Heart Can Also Protect Against Cancer, Study Indicates

HealthDay reports researchers found “the same lifestyle habits that protect the heart can also curb the risk of a range of cancers.” In the study, which included more than 20,000 adults in the US, “people with risk factors for heart disease also faced increased odds of developing cancer over the next 15 years.” Meanwhile, “people who followed a heart-healthy lifestyle cut their risk of a cancer diagnosis.” The findings were published in JACC: CardioOncology.

11. Regular Consumption Of Meat May Be Linked To Higher Risk Of Ischemic Heart Disease, Diabetes

Cardiovascular Business reports, “Regularly eating unprocessed red meat and processed meat may be associated with a higher risk of ischemic heart disease, diabetes and other significant health conditions, according to a new analysis of more than 470,000 adults.” The study, “published in BMC Medicine, focused on data taken from the UK Biobank study.” Each participant’s “dietary habits were evaluated using special questionnaires, and the researchers tracked the regularity of 25 common health conditions.”

12. Research Review Describes Potential Long-Term Effects Of Coronavirus On Entire Human Body

NBC News reports researchers conducted a research review and published a paper in Nature Medicine that “describes the potential long-term effects of the coronavirus on the entire body, highlighting the challenges long-haulers face in their recovery.” NBC News adds, “The review outlines in detail every organ affected by long-term Covid-19, including the lungs, heart, kidneys and skin, as well as the gastrointestinal, neurologic and endocrine systems.”

13. People Under Shelter-In-Place Orders May Gain Half A Pound Every 10 Days On Average, Research Suggests

The New York Times reports researchers found that people under shelter-in-place orders [due to the pandemic] gained half a pound every 10 days on average. The researchers used “weight measurements from Bluetooth-connected smart scales” that were taken as part of the ongoing Health eHeart Study to examine changes in people’s weight. The findings were published in a research letter in JAMA Network Open. The researchers wrote, “Although this may not appear clinically important, prolonged effects as have occurred with the pandemic might lead to substantial weight gain.”

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. Treatments for alopecia areata: a systematic review and network meta-analysis

Takeshi Fukumoto, Rie Fukumoto, Elizabeth Magno, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/dth.14916?>

2. How good is artificial intelligence (AI) at solving hairy problems? A review of AI applications in hair restoration and hair disorders

Aditya K. Gupta, Iordanka A. Ivanova, Helen J. Renaud
<https://onlinelibrary.wiley.com/doi/abs/10.1111/dth.14811?>

3. Results of low-level laser therapy in the treatment of hair growth: An Egyptian Experience

Mohamed Amer MD, Amany Nassar MD, Heba Attallah, Amin Amer MD
<https://onlinelibrary.wiley.com/doi/abs/10.1111/dth.14940?>



1. Impairment of autophagy may be associated with follicular miniaturization in androgenetic alopecia by inducing catagen

Weiwen Liu, Kaitao Li, Gaofeng Wang, Lunan Yang, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/1346-8138.15672?>

2. Development of a scoring system to predict outcomes of i.v. corticosteroid pulse therapy in rapidly progressive alopecia areata

Yohei Sato, Misaki Kinoshita-Ise, Masahiro Fukuyama, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/1346-8138.15675?>

1. **Human epithelial stem cell survival within their niche requires “tonic” cannabinoid receptor 1-signalling—Lessons from the hair follicle**

Koji Sugawara, Nóra Zákány, Stephan Tiede, Talveen Purba, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/exd.14294?>

2. **Can an in vitro hair drug model be developed using dermal papilla cells alone?**

Tze Chiun Lim, Meng Fatt Leong, Hongfang Lu, Chan Du, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/exd.14297?>

3. **Efficacy of 2.5mg oral biotin versus 5% topical minoxidil in increasing nail growth rate.**

Luiz Eduardo Fabrício de Melo Garbers, Anna Carolina Miola, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/exd.14316?>

4. **Stress-associated ectopic differentiation of melanocyte stem cells and ORS amelanotic melanocytes in an ex vivo human hair follicle model**

Inbal Rachmin, Ju Hee Lee, Bing Zhang, James Sefton, et al.
<https://onlinelibrary.wiley.com/doi/full/10.1111/exd.14309?>

5. **Compartmentalised metabolic programmes in human anagen hair follicles: New targets to modulate epithelial stem cell behaviour, keratinocyte proliferation and hair follicle immune status?**

Talveen S. Purba, Leïla Berriche, Ralf Paus
<https://onlinelibrary.wiley.com/doi/abs/10.1111/exd.14300?>

6. **ccl13 is upregulated in alopecia areata lesions and is correlated with disease severity**

Dan Wang, Xueming Xu, Xizhe Li, Jian Shi, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/exd.14293?>

- 1. Therapeutic management in pediatric alopecia areata: a systematic review**
A. Waśkiel-Burnat, M. Kołodziejak, M. Sikora, A. Stochmal, A. Rakowska, M. Olszewska, L. Rudnicka
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.17187?>
- 2. Localized gray hair repigmentation (canities reversal) in patients with frontal fibrosing alopecia**
MA Pastor-Nieto, S Vaño-Galvan, A Gómez-Zubiaur, E Jiménez-Blázquez, OM Moreno-Arrones, V Melgar-Molero
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.17199?>
- 3. Relationship between sensitive skin and sleep disorders, fatigue, dust, sweating, food, tobacco consumption or female hormonal changes: Results from a worldwide survey of 10 743 individuals**
L. Misery, S. Morisset, S. Séité, E. Brenaut, A.-S. Ficheux, J. W. Fluhr, V. Delvigne, C. Taieb
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.17162?>
- 4. Itch – The major symptom of skin disease and yet still enigmatic**
J. Ring
<https://onlinelibrary.wiley.com/doi/full/10.1111/jdv.17166?>
- 5. A systematic review of worldwide data on tinea capitis: analysis of the last 20 years**
C. Rodríguez-Cerdeira, E. Martínez-Herrera, J.C. Szepietowski, R. Pinto-Almazán, M.G. Frías-De-León, V.M. Espinosa-Hernández, E. Chávez-Gutiérrez, E. García-Salazar, D.C. Vega-Sánchez, R. Arenas, R. Hay, D.M. Saunte
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.16951?>

6. Characteristics of children with Netherton Syndrome: a review of 21 patients

C Prodinger, N Yerlett, C MacDonald, C Subhanitthaya, M Laimer, L Goh, G Du Toit, JE Mellerio, G Petrof, AE Martinez

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.17226?>

[Ed. People with Netherton syndrome have hair that is fragile and breaks easily. Some strands of hair vary in diameter, with thicker and thinner spots. This feature is known as bamboo hair, trichorrhexis nodosa, or trichorrhexis invaginata. In addition to the hair on the scalp, the eyelashes and eyebrows may be affected. MedLinePlus]

7. Rapidly progressive alopecia areata totalis in a COVID-19 patient, unresponsive to tofacitinib

S. Berbert Ferreira, M.F.R. Gavazzoni Dias, R. Berbert Ferreira, A.C. Neves Neto, R.M. Trüeb, O. Lupi

<https://onlinelibrary.wiley.com/doi/full/10.1111/jdv.17170?>

8. Lichen simplex chronicus of the scalp: dermoscopy and reflectance confocal microscopy features

M. Starace, V.D. Mandel, B. Francesca, A. Alessandrini, C. Misciali, Z. Apalla, M. Iorizzo, G. Pellacani, T. Silyuk, A. Patrizi, B.M. Piraccini

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.17206?>

9. Low quality of life and high HSS-29 scores reflect the risk of loss to follow-up: a study in patients with androgenetic alopecia

J.Y. Lee, B.J. Kim, S.H. Lee, J.W. Lee, W.S. Lee

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.17212?>

CONTACT DERMATITIS
CUTANEOUS ALLERGY
ENVIRONMENTAL AND OCCUPATIONAL DERMATITIS

1. Hairdressers' occupational skin diseases in the Finnish Register of Occupational Diseases in a period of 14 years

Maria Pesonen, Kirsi Koskela, Kristiina Aalto-Korte

<https://onlinelibrary.wiley.com/doi/abs/10.1111/cod.13732?>

1. **Preview Long Hair Follicular Unit Excision: an up-and-coming technique**

Roberto Trivellini, David Perez-Meza, Helen J. Renaud, Aditya K. Gupta
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jocd.14026?>

2. **The role of sleep in telogen effluvium and trichodynia: A commentary in the context of the current pandemic**

Ellen M.S. Xerfan MD, Monica L. Andersen PhD, Anamaria S. Facina MD, PhD, Sergio Tufik MD, PhD, Jane Tomimori MD PhD
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jocd.13929?>

3. **Platelet-rich plasma with low dose oral minoxidil (1.25mg versus 2.5mg) along with trichoscopic pre and post treatment evaluation**

Abhijeet Kumar Jha, Zeeshan, Anupama Singh, Prasoon Kumar Roy
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jocd.14049?>

4. **New onset of alopecia areata in a patient with SARS-COV-2 infection: Possible pathogenetic correlations?**

Alfredo Rossi, Francesca Magri, Simone Michelini, Alvise Sernicola, Marta Muscianese, Gemma Caro, Marco Di Fraia, Camilla Chello, Maria Caterina Fortuna, Teresa Grieco
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jocd.14080?>

5. **Erosive pustular dermatosis of the scalp following topical oxygen therapy**

Mario Vaccaro, Luca Di Bartolomeo, Alessio Campitiello, Francesco Borgia
<https://onlinelibrary.wiley.com/doi/abs/10.1111/jocd.14077?>

1. **Telogen effluvium in the new SARS-CoV-2 era**

Sonia S. Ocampo-Garza MD, Maria Vastarella MD, Paola Nappa MD, Mariateresa Cantelli MD, Gabriella Fabbrocini MD
<https://onlinelibrary.wiley.com/doi/full/10.1111/ijd.15482?>

2. **Androgens and women: COVID-19 outcomes in women with acne vulgaris, polycystic ovarian syndrome, and hirsutism**

Katerina Yale MD, Rachel Elsanadi BS, Alessandro Ghigi MS, Kai Zheng PhD, Andy Goren MD, Natasha A. Mesinkovska MD, PhD
<https://onlinelibrary.wiley.com/doi/full/10.1111/ijd.15473?>

3. **Evaluation of biophysical skin parameters and hair changes in patients with acne vulgaris treated with isotretinoin, and the effect of biotin use on these parameters**

Sema E. Aksac MD, Serap G. Bilgili MD, Goknur O. Yavuz MD, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/ijd.15485?>

JAMA Dermatology

1. **Incidence and Factors Associated With Androgenetic Alopecia Among Transgender and Gender-Diverse Patients Treated With Masculinizing Hormone Therapy**

Nick Thoreson, BS; Chris Grasso, MPH; Jennifer Potter, MD; et al.
<https://jamanetwork.com/journals/jamadermatology/fullarticle/2775818?>

2. **Tofacitinib as Treatment for Nail Lichen Planus Associated With Alopecia Universalis**

Matilde Iorizzo, MD, PhD; Eckart Haneke, MD, PhD
<https://jamanetwork.com/journals/jamadermatology/fullarticle/2774596?>

1. **Alopecia totalis following hand-foot-and-mouth disease**
Sandra Oska BS, Lisa M. Bedford MD, Geoffrey A. Potts MD
<https://onlinelibrary.wiley.com/doi/abs/10.1111/pde.14550?>
2. **The spectrum of pediatric scarring alopecia: A retrospective review of 27 patients seen at Mayo Clinic**
Reese L. Imhof BA, Hafsa M. Cantwell MD, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/pde.14543?>
3. **Treatment of scarring alopecia from trauma and surgical procedures in young patients using follicular unit hair transplantation**
Takashi Nuri MD, Norihisa Abe MD, Aritaka Sakamoto MD, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/pde.14553?>

1. **Investigation of the molecular signature of greying hair shafts**
Raoul Vyumvuhore, Laurie Verzeaux, Sophie Gilardeau, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12700?>
2. **Quantifying the impact of braiding and combing on the integrity of natural African hair**
Kwezikazi Molamodi, Damilola Fajuyigbe, Poonam Sewraj, et al.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12699?>
3. **Impact of polyelectrolyte-surfactant interactions on the rheology and wet lubrication performance of conditioning shampoo**
Adeline Maria Benhur, Jangelis Diaz, Samiul Amin
<https://onlinelibrary.wiley.com/doi/abs/10.1111/ics.12689?>

1. **Photobiomodulation for the management of hair loss**

Angeli Eloise Torres, Henry W. Lim

<https://onlinelibrary.wiley.com/doi/full/10.1111/phpp.12649?>

Skin Research & Technology

1. **Suitability of high-frequency ultrasonography (20 MHz) in evaluation of various forms of primary cicatricial alopecia in relation to trichoscopy — pilot study**

Dominik Mikiel, Adriana Polańska, Ryszard Żaba, Zygmunt Adamski, Aleksandra Dańczak-Pazdrowska

<https://onlinelibrary.wiley.com/doi/abs/10.1111/srt.13018?>

CED

CLINICAL AND EXPERIMENTAL DERMATOLOGY
THE EDUCATIONAL JOURNAL OF THE BRITISH ASSOCIATION OF DERMATOLOGISTS



1. **Alopecia universalis: a patient's perspective of the cumulative life course impairment**

L. J. Burns, K. E. Flanagan, J. T. Pathoulas, A. Ellison, N. Mesinkovska, M. M. Senna

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ced.14596?>

QUESTION FOR CTE® CREDIT (FOR FULL MEMBERS ONLY):
PLEASE EMAIL ANSWER TO:
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In Liu et al.'s research article regarding "Impairment of autophagy may be associated with follicular miniaturization in androgenetic alopecia by inducing premature catagen", what is a 'potential mechanism in androgenetic alopecia' that is suggested by the results?

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