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### **Original Articles**

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TNF- $\alpha$  inhibitor—induced psoriasis: A decade of experience at the Cleveland Clinic

Bottom line: Topical medications controlled disease more often than in other cohorts, suggesting that dermatologists should be involved in treating patients with tumor necrosis factor—induced psoriasis. Cyclosporine may represent an underutilized treatment for tumor necrosis factor—induced psoriasis.

Sean E. Mazloom, MD, Di Yan, MD, Jeffery Z. Hu, BS, Jason Ya, BS, M. Elaine Husni, MD, PhD, Christine B. Warren, MD, and Anthony P. Fernandez, MD, PhD

1599 Family history of psoriasis, psychological stressors, and tobacco use are associated with the development of tumor necrosis factor- $\alpha$  inhibitor-induced psoriasis: A case-control study

Bottom line: In this study of 97 patients with TNFI psoriasis and matched controls, psoriasis family history (odds ratio, 16.0), acute psychological stressors (odds ratio, 3.14), and tobacco use (marginal; odds ratio, 1.76) are associated with and identified as potential risk factors for this reaction.

Jason Ya, MD, Jeffery Z. Hu, BS, Amy S. Nowacki, PhD, Urmi Khanna, MD, Sean Mazloom, MD, Gowri Kabbur, MD, M. Elaine Husni, MD, MPH, and Anthony P. Fernandez, MD, PhD

Laser treatment of epidermal nevi: A multicenter retrospective study with long-term follow-up

Bottom line: Our study demonstrates that improvement with ablative lasers varies between verrucous and sebaceous nevi, with better long-term results for verrucous nevi. It also shows that Becker nevus is not a good indication for Q-switched lasers.

Azzam Alkhalifah, MD, Frederike Fransen, MD, Florence Le Duff, MD, Jean-Philippe Lacour, MD, Albert Wolkerstorfer, MD, PhD, and Thierry Passeron, MD, PhD

1616 Atopic dermatitis and risk of atrial fibrillation or flutter: A 35-year follow-up study

Bottom line: Although the absolute risk is low, the typical early onset of atopic dermatitis provides an opportunity for promoting a heart-healthy lifestyle in these patients.

Sigrun A. J. Schmidt, PhD, Morten Olsen, PhD, Morten Schmidt, PhD, Christian Vestergaard, DMSc, Sinéad M. Langan, PhD, Mette S. Deleuran, DMSc, and Jette L. Riis, PhD

Prenatal, infantile, and childhood tobacco exposure and risk of pediatric psoriasis in the Danish National Birth Cohort offspring

Bottom line: Tobacco exposure during pregnancy may play a causal role in the development of pediatric psoriasis.

Jonathan Groot, MScPH, Anne-Marie Nybo Andersen, MD, PhD, Christoffer Blegvad, MD, PhD, Angela Pinot de Moira, PhD, and Lone Skov, MD, PhD



1633 Improved patient access and outcomes with the integration of an eConsult program (teledermatology) within a large academic medical center

Bottom line: Our study demonstrates that integrating dermatologic care through a telemedicine system can result in improved access for underserved patients through improved efficiency outcomes.

Rebecca F. Wang, MD, John Trinidad, MD, MPH, Jeffrey Lawrence, MD, MBOE, Llana Pootrakul, MD, PhD, L. Arick Forrest, MD, Kevin Goist, MD, Edward Levine, MD, Shalina Nair, MD, MBA, Milisa Rizer, MD, MPH, Andrew Thomas, MD, MBA, Randell Wexler, MD, MPH, and Benjamin H. Kaffenberger, MD

1639 Standardizing serial photography for assessing and monitoring vitiligo: A core set of international recommendations for essential clinical and technical specifications

Bottom line: Based on an international consensus, a core set of recommendations for standardized clinical vitiligo photography is described. This will harmonize imaging for both clinical practice and trials.

Nanja van Geel, MD, PhD, Iltefat Hamzavi, MD, Indermeet Kohli, PhD, Albert Wolkerstorfer, MD, PhD, Henry W. Lim, MD, Jung Min Bae, MD, PhD, Harvey Lui, MD, FRCPC, John E. Harris, MD, PhD, Amit G. Pandya, MD, Steven Thng Tien Guan, MBBS, MRCP, Marwa Abdallah, MD, Samia Esmat, MD, Julien Seneschal, MD, PhD, Reinhart Speeckaert, MD, PhD, Lynda Grine, MSc, PhD, Hee Young Kang, MD, PhD, Noufal Raboobee, MD, Leihong Flora Xiang, MD, PhD, Marcel Bekkenk, MD, PhD, Mauro Picardo, MD, and Alain Taieb, MD, PhD

Application of machine learning to determine top predictors of noncalcified coronary burden in psoriasis: An observational cohort study

Bottom line: Our machine learning methods identified the top predictors of coronary artery burden in patients with psoriasis, which were markers related to obesity, dyslipidemia, and inflammation, showing that these are potentially important comorbidities to treat in psoriasis.

Eric Munger, MS, Harry Choi, MSE, Amit K. Dey, MD, Youssef A. Elnabawi, MD, Jacob W. Groenendyk, MD, Justin Rodante, PA-C, Andrew Keel, RN, Milena Aksentijevich, MSc, Aarthi S. Reddy, BS, Noor Khalil, BA, Jenis Argueta-Amaya, BS, Martin P. Playford, PhD, Julie Erb-Alvarez, MPH, Xin Tian, PhD, Colin Wu, PhD, Johann E. Gudjonsson, MD, PhD, Lam C. Tsoi, PhD, Mohsin Saleet Jafri, PhD, Veit Sandfort, MD, Marcus Y. Chen, MD, Sanjiv J. Shah, MD, David A. Bluemke, MD, PhD, Benjamin Lockshin, MD, Ahmed Hasan, MD, PhD, Joel M. Gelfand, MD, MSCE, and Nehal N. Mehta, MD, MSCE

1654 Cutaneous graft-versus-host disease incidence is similar in haploidentical and matched unrelated hematopoietic transplant recipients: A retrospective cohort study

Meghan M. Heberton, MD, Shivani Tripathi, MD, Michael Slade, MD, Kathryn Trinkaus, PhD, Rizwan Romee, MD, and Milan Anadkat, MD



Diffuse variants of scalp lichen planopilaris: Clinical, trichoscopic, and histopathologic features of 40 patients

Bottom line: In patients with diffuse hair thinning and a long-lasting history of scalp erythema, itching, or dysesthesia, it is strongly recommended to perform a trichoscopy-guided biopsy.

Michela Starace, MD, Gloria Orlando, MD, Aurora Alessandrini, MD, Carlotta Baraldi, MD, Francesca Bruni, MD, and Bianca Maria Piraccini, MD, PhD

In vivo confocal microscopy of dermoscopic suspicious lesions in patients with xeroderma pigmentosum: A cross-sectional study

Bottom line: We report RCM features associated with malignancy and found that RCM has the potential to decrease the number of excisions in this high-risk population.

Lílian Rocha, MD, Paula Silva Ferreira, MD, João Avancini, MD, Silvia Lourenço, PhD, Caroline de Freitas Barbosa, MD, Caroline Colacique, MD, and Cyro Festa-Neto, PhD

1674 Evaluating the effect of prior authorizations in patients with complex dermatologic conditions

Bottom line: The administrative burden for provider practices to address these prior authorizations is substantial and warrants developing a streamlined system in collaboration with insurers.

Olivia S. Jew, MD, MBA, Joyce Okawa, RN, MBE, John S. Barbieri, MD, MBA, Joanne McCaffrey, LPN, Elizabeth Hayward, CRNP, MSN, and Victoria P. Werth, MD

1681 Efficacy of targeted education in reducing topical steroid phobia: A randomized clinical trial

Bottom line: Education targeted at common misconceptions improved understanding of but not adherence to topical steroids.

Ellie Choi, MBBS, MMed(IM), Ken Wei Tan, BS, MRes, Fengjie Tang, Chris Tan, MBBS, FAMS, and Nisha Suyien Chandran, MBBS, MMed(IM)

The incidence rates and risk factors of Parkinson disease in patients with psoriasis: A nationwide population-based cohort study

Bottom line: Systemic anti-inflammatory agents for psoriasis could prevent the development of Parkinson disease in psoriasis patients.

Ji Hyun Lee, MD, PhD, Kyungdo Han, PhD, and Heon Yung Gee, MD, PhD

1696 Antecedent immunosuppressive therapy for immune-mediated inflammatory diseases in the setting of a COVID-19 outbreak

Bottom line: IS medications for immune-mediated inflammatory disease were not associated with increased risk of SARS-CoV-2 infection or severe sequelae, and anti—tumor necrosis factor  $\alpha$  monotherapy was associated with decreased admission rate. Patients can be reassured when continuing these medications during the COVID-19 pandemic.

Jesse Veenstra, MD, PhD, Connor R. Buechler, BS, Gabrielle Robinson, MD, Stephanie Chapman, MD, Madeline Adelman, BS, Aaron Tisack, BS, Peter Dimitrion, MS, Erika Todter, MS, Laurie Kohen, MD, and Henry W. Lim, MD



# 1704 National Psoriasis Foundation COVID-19 Task Force Guidance for Management of Psoriatic Disease During the Pandemic: Version 1

Bottom line: Shared decision making is recommended as is adherence to evidence-based recommendations when available. The guidance statements will be updated when necessary in accordance with rapidly evolving science of coronavirus disease 2019.

Joel M. Gelfand, MD, MSCE, April W. Armstrong, MD, MPH, Stacie Bell, PhD, George L. Anesi, MD, MSCE, MBE, Andrew Blauvelt, MD, MBA, Cassandra Calabrese, DO, Erica D. Dommasch, MD, MPH, Steve R. Feldman, MD, PhD, Dafna Gladman, MD, FRCPC, Leon Kircik, MD, Mark Lebwohl, MD, Vincent Lo Re III, MD, MSCE, George Martin, MD, Joseph F. Merola, MD, MMSc, Jose U. Scher, MD, Sergio Schwartzman, MD, James R. Treat, MD, Abby S. Van Voorhees, MD, Christoph T. Ellebrecht, MD, Justine Fenner, MD, Anthony Ocon, MD, PhD, Maha N. Syed, MBBS, Erica J. Weinstein, MD, Jessica Smith, BS, George Gondo, MA, Sue Heydon, MA, Samantha Koons, BS, and Christopher T. Ritchlin, MD MPH

#### **Reviews**

### 1717 Isolated nail lichen planus: An expert consensus on treatment of the classical form

Bottom line: Intralesional triamcinolone acetonide is the first-line treatment, but systemic corticosteroids, retinoids, and immunosuppressive agents may also be considered.

Matilde Iorizzo, MD, PhD, Antonella Tosti, MD,
Michela Starace, MD, PhD, Robert Baran, MD,
C. Ralph Daniel III, MD, Nilton Di Chiacchio, MD, PhD,
Sophie Goettmann, MD, Chander Grover, MD, DNB,
Eckart Haneke, MD, PhD, Shari R. Lipner, MD, PhD, Phoebe Rich, MD,
Bertrand Richert, MD, PhD, Dimitris Rigopoulos, MD, PhD,
Adam I. Rubin, MD, Martin Zaiac, MD, and
Bianca Maria Piraccini. MD, PhD

## 1724 Carpal tunnel syndrome and associated nail changes: Review and examples from the author's practice

Bottom line: Necrotic carpal tunnel syndrome is a severe variant that presents with ulcerative skin and nail lesions, paronychia, and bone resorption.

Andjela Egger, BS, and Antonella Tosti, MD

### 1730 Hand hygiene during COVID-19: Recommendations from the American Contact Dermatitis Society

Bottom line: The American Contact Dermatitis Society recommends best practices for proper hand hygiene, skin disease prevention, and skin restoration.

Chandler W. Rundle, MD, Colby L. Presley, BA, BS, Michelle Militello, MS, Cara Barber, MPH, Douglas L. Powell, MD, Sharon E. Jacob, MD, Amber Reck Atwater, MD, Kalman L. Watsky, MD, Jiade Yu, MD, and Cory A. Dunnick, MD



1738 Review of adverse cutaneous reactions of pharmacologic interventions for COVID-19: A guide for the dermatologist Bottom line: Many treatments prescribed for COVID-19 may cause a wide variety of cutaneous adverse effects that should be considered in the differential diagnosis. Antonio Martinez-Lopez, PhD, MD, Carlos Cuenca-Barrales, MD, Trinidad Montero-Vilchez, MD, Alejandro Molina-Leyva, PhD, MD, and Salvador Arias-Santiago, PhD, MD **Research Letters** 1749 Dermoscopy of chilblain-like lesions during the COVID-19 outbreak: A multicenter study on 10 patients Vincenzo Piccolo, MD, Andrea Bassi, MD, Giuseppe Argenziano, MD, PhD, Carlo Mazzatenta, MD, Alba Guglielmo, MD, Annalisa Patrizi, MD, PhD, and Iria Neri, MD 1751 All that glisters is not COVID: Low prevalence of seroconversion against SARS-CoV-2 in a pediatric cohort of patients with chilblain-like lesions Marco Denina, MD, Francesco Pellegrino, MD, Francesco Morotti, MD, Paola Coppo, MD, Ilaria Maria Bonsignori, MD, Silvia Garazzino, PhD, Paolo Ravanini, MD, Maria Avolio, MSc, Rossana Cavallo, MD, Luigi Bertolotti, PhD, Enrico Felici, MD, Gabriela Acucella, MD, Davide Montin, PhD, Ivana Rabbone, PhD, and Francesco Licciardi, MD 1753 Evaluation of SARS-CoV-2 antibodies in 24 patients presenting with chilblains-like lesions during the COVID-19 pandemic Robert Stavert, MD, MBA, Ahou Meydani-Korb, MD, Dianne de Leon, MD, Rebecca Osgood, MD, Jessamyn Blau, MD, and Thien Luu, PA-C 1755 Skin is a potential host of SARS-CoV-2: A clinical, single-cell transcriptome-profiling and histologic study Yangbai Sun, PhD, Renpeng Zhou, PhD, Hao Zhang, MD, Liu Rong, MD, Wang Zhou, PhD, Yimin Liang, PhD, and Qingfeng Li, MD 1757 Ethnic skin centers in the United States: Where are we in 2020? Rechelle Z. Tull, MD, Eva Kerby, MD, Jacob J. Subash, MD, and Amy J. McMichael, MD



1759 Systematic retrospective study of 64 patients with anti-Mi2 dermatomyositis: A classic skin rash with a necrotizing myositis and high risk of malignancy

Grégoire Monseau, MD, Océane Landon-Cardinal, MD, Werner Stenzel, MD, PhD, Yoland Schoindre, MD, Kubéraka Mariampillai, PhD, Stéphane Barete, MD, Clothilde Martel, MD, Agathe Masseau, MD, PhD, Alain Meyer, MD, PhD, Benjamin Terrier, MD, PhD, Sarah Guégan, MD, PhD, Laurence Verneuil, MD, PhD, Sylvain Audia, MD, PhD, Cristian Bulai Livideanu, MD, Eric Hachulla, MD, PhD, Jean-Emmanuel Kahn, MD, PhD, Guillaume Lefevre, MD, PhD, François Maurier, MD, Guillaume Moulis, MD, PhD, Thomas Papo, MD, PhD, Antoine Dossier, MD, Vincent Descamps, MD, PhD, Emmanuelle Salort-Campana, MD, Marie-Aleth Richard, MD, PhD, Emmanuel Bergot, MD, PhD, Laurent Mortier, MD, PhD, Nathalie Costedoat-Chalumeau, MD, PhD, Séverine Genot, MD, Florian Perez, MD, Anne-Marie Piette, MD, PhD, Maxime Samson, MD, PhD, Nicolas Schleinitz, MD, PhD, Thierry Zénone, MD, Marie Lacoste, MD, Hubert de Boysson, MD, Serge Madaule, MD, Aude Rigolet, MD, Nicolas Champtiaux, MD, PhD, Baptiste Hervier, MD, PhD, Anne-Marie Bouvier, MD, PhD, Valérie Jooste, PhD, Sarah Léonard-Louis, MD, Thierry Maisonobe, MD, Achille Aouba, MD, PhD, Olivier Benveniste, MD, PhD, Boris Bienvenu, MD, PhD, and Yves Allenbach, MD, PhD, on behalf of the French Myositis Network

- 1763 Local recurrence of clinically observed basal cell carcinomas following complete saucerization or punch removal with negative margins: Retrospective case series from 2010 to 2020 Katherine J. Ransohoff, MD, Kristin M. Nord, MD, Elizabeth E. Bailey, MD, MPH, Julia D. Ransohoff, MD, Shufeng Li, MS, and Susan M. Swetter, MD
- 1765 Dermoscopy predicts outcome in hemoporfin-mediated photodynamic therapy of port-wine stains: A prospective observational study

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Zachary J. Solomon, MD, Vignesh Ramachandran, MD, Taylor P. Kohn, MD, Paige E. Nichols, MD, Nora M. Haney, MD, MBA, Hiten D. Patel, MD, MPH, Michael H. Johnson, MD, Misha V. Koshelev, MD, PhD, and Harry Dao, Jr, MD

1770 What are the barriers faced by under-represented minorities applying to dermatology? A qualitative cross-sectional study of applicants applying to a large dermatology residency program

Rebecca Vasquez, MD, Haneol Jeong, MD, Stephanie Florez-Pollack, MD, Laura H. Rubinos, MD, Simon C. Lee, PhD, and Amit G. Pandya, MD



1773 Framing atopic dermatitis topical medication application site discomfort as a signal of efficacy improves willingness to continue use

Arjun M. Bashyam, BA, Adrian Cuellar-Barboza, MD, E. J. Masicampo, PhD, and Steven R. Feldman, MD, PhD

1775 Ambient ultraviolet radiation and major salivary gland cancer in the United States

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1777 Opioid prescribing in adults with and without psoriasis

Megan H. Noe, MD, MPH, MSCE, Daniel B. Shin, PhD, Mackenzie R. Wehner, MD, MPhil, David J. Margolis, MD, PhD, and Joel M. Gelfand, MD, MSCE

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1781 Reflectance confocal microscopy as a diagnostic tool for mastocytoma in children

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Novel mutations identified by whole-exome sequencing in acral melanoma

Youngkyoung Lim, MD, PhD, Dokyoung Yoon, MD,, and Dong-Youn Lee, MD, PhD

1794 Clinical and pathological dermatological features of deficiency of adenosine deaminase 2: A multicenter, retrospective, observational study

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Mohs micrographic surgery for penile carcinoma with urethral invasion: A multidisciplinary approach

Andres M. Erlendsson, MD, PhD, Britney N. Wilson, MS, Phyllis Bellia, BSN, RN, William Phillips, BA, Laura Leddy, MD, and Anthony M. Rossi, MD

Basal cell carcinomas of the ear are more aggressive and have higher discordance rates between biopsy and Mohs histopathology

Kristina Navrazhina, BA, Cindy E. Parra, MD, Brienne D. Cressey, MD, MBA, Christopher Xanthos, MD, Paul J. Christos, DrPH, MS, and Kira Minkis, MD, PhD

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Anne Lynn S. Chang, MD, Golara Honari, MD, Linna Guan, MD, Ludan Zhao, MD, PhD, Maria Alora Palli, MD, Thomas D. Horn, MD, Arkadiusz Z. Dudek, MD, PhD, and Hugh McTavish, PhD



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