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From the Dermatology Foundation

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RAS pathway influences the number of melanocytic nevi in cardiofaciocutaneous and Costello syndromes

Maija Kiuru, MD, PhD, Jennifer Urban, MD, Guannan Zhu, MD, PhD, Iryna Rybak, BA, Jessica R. Terrell, BA, Lihong Qi, MS, PhD, John D. McPherson, PhD, Ashfaq A. Marghoob, MD, and Katherine A. Rauen, MD, PhD

Original Articles

1094

High-dose, high-frequency infliximab: A novel treatment paradigm for hidradenitis suppurativa

Bottom line: High-dose, high-frequency infliximab, initiated at 7.5 mg/kg every 4 weeks, with optional dose escalation to 10 mg/kg for inadequate disease control, provides significant reduction in HS disease activity and pain.

Mondana H. Ghias, BS, Andrew D. Johnston, MS, Allison J. Kutner, MD, Robert G. Micheletti, MD, H. Dean Hosgood, PhD, and Steven R. Cohen, MD, MPH

1102 Age-dependent interaction between sex and geographic ultraviolet index in melanoma risk

Bottom line: More effective preventive strategies can be developed based on the understanding of sex- and age-specific melanoma causes.

Feng Liu-Smith, PhD, and Argyrios Ziogas, PhD

1109 Reproductive patterns and maternal and pregnancy outcomes in women with psoriasis—A population-based study

Bottom line: Pregnancies in women with psoriasis may need special monitoring.

Mats Lambe, MD, PhD, Anna V. Bergstrom, MD, Anna L. V. Johansson, PhD, and Caroline E. Weibull, PhD

1117 Racial differences in dermatologic conditions associated with HIV: A cross-sectional study of 4679 patients in an urban tertiary care center

Bottom line: Individuals with HIV have elevated risk of many infectious, inflammatory, and neoplastic dermatologic conditions, some of which are affected by race. Awareness of these conditions is important when caring for patients with HIV.

Alexandra M. Bender, PhD, Olive Tang, BS, Raveena Khanna, BA, Sonja Ständer, MD, Sewon Kang, MD, and Shawn G. Kwatra, MD

Photodynamic therapy for cutaneous squamous cell carcinoma in situ: Impact of anatomic location, tumor diameter, and incubation time on effectiveness

Bottom line: In this retrospective study a longer incubation time with aminolevulinic acid, smaller tumor diameter, and location on the face were all associated with increased effectiveness of photodynamic therapy.

Nour Kibbi, MD, Yuemei Zhang, MD, MBA, David J. Leffell, MD, and Sean R. Christensen, MD, PhD

Bidirectional association between alopecia areata and major depressive disorder among probands and unaffected siblings: A nationwide population-based study

Bottom line: Compared with controls, alopecia areata probands and unaffected siblings have an increased risk of major depressive disorder, and vice versa. This bidirectional association suggests that alopecia areata and major depressive disorder share familial risk factors.

Ying-Xiu Dai, MD, Ying-Hsuan Tai, MD, MSc, Chih-Chiang Chen, MD, PhD, Yun-Ting Chang, MD, PhD, Tzeng-Ji Chen, MD, PhD, and Mu-Hong Chen, MD, PhD



1138 Comparison of cumulative clinical benefits of biologics for the treatment of psoriasis over 16 weeks: Results from a network meta-analysis

Bottom line: Knowledge on the cumulative benefits of treatments, which combines the rapidity and magnitude of efficacy, can help guide clinicians' decision making.

Richard B. Warren, MD, PhD, Melinda Gooderham, MD, Russel Burge, PhD, Baojin Zhu, PhD, David Amato, DO, Karen Huayu Liu, PhD, David Shrom, PhD, Jiaying Guo, MS, Alan Brnabic, MSc, and Andrew Blauvelt, MD, MBA

Clinical response rates, placebo response rates, and significantly associated covariates are dependent on choice of outcome measure in hidradenitis suppurativa: A post hoc analysis of PIONEER 1 and 2 individual patient data

Bottom line: Clinical response to adalimumab is significantly greater than placebo regardless of the use of outcome measure in PIONEER 2 but not PIONEER 1. Placebo response rates in the PIONEER 1 and 2 phase 3 trials are significantly lower when the hidradenitis suppurativa clinical response is replaced by the International Hidradenitis Suppurativa Severity Score System. Draining tunnels, smoking, antibiotic use, and body mass index are significantly associated with reduced hidradenitis suppurativa clinical response in PIONEER 2, and differences between results of PIONEER 1 and 2 studies are attributable to different disease severities of patient populations.

John W. Frew, MBBS, FACD, Caroline S. Jiang, MS, Neha Singh, MS, David Grand, BA, Kristina Navrazhina, BA, Roger Vaughan, DrPH, and James G. Krueger, MD, PhD

1158 Meta-analysis of number needed to treat for diagnosis of melanoma by clinical setting

Bottom line: Data from the present study highlight the fact that pigmented lesion specialists have the lowest number needed to treat for melanoma, followed by dermatologists. Understanding the variability in melanoma detection across clinical settings allows for better cost comparison.

Amy J. Petty, BS, Bradley Ackerson, MD, Reed Garza, MD, Michael Peterson, MD, Beiyu Liu, PhD, Cynthia Green, PhD, and Michelle Pavlis, MD

Minocycline 1.5% foam for the topical treatment of moderate to severe papulopustular rosacea: Results of 2 phase 3, randomized, clinical trials

Bottom line: Two phase 3 clinical studies examined the efficacy and safety of FMX103 1.5%, a novel topical minocycline foam, in moderate to severe papulopustular rosacea.

Linda Stein Gold, MD, James Q. Del Rosso, DO, Leon Kircik, MD, Neal D. Bhatia, MD, Deirdre Hooper, MD, Walter K. Nahm, MD, PhD, and Iain Stuart, PhD



1174 Measurement properties of the Patient-Reported Outcomes Measurement Information System Itch Questionnaire item banks in adults with atopic dermatitis

Bottom line: PIQ item bank short forms all appear to have sufficient validity and feasibility to be used as assessments of burden in adults with atopic dermatitis in clinical practice.

Jonathan I. Silverberg, MD, PhD, MPH, Jin-Shei Lai, PhD, Paras P. Vakharia, MD, PharmD, Kevin Patel, MD, Vivek Singam, MD, Rishi Chopra, MD, MS, Ryan Sacotte, MD, Neha Patel, BS, Supriya Rastogi, MD, Robert Kantor, MD, Derek Y. Hsu, MD, and David Cella, PhD

1181 Measuring atopic eczema symptoms in clinical practice: The first consensus statement from the Harmonising Outcome Measures for Eczema in clinical practice initiative

Bottom line: We recommend measuring atopic eczema symptoms in the clinic setting with the POEM, the PO-SCORAD index, or both.

Yael A. Leshem, MD, MCR, Joanne R. Chalmers, PhD, Christian Apfelbacher, PhD, Masutaka Furue, MD, PhD, Louise A. A. Gerbens, MD, PhD, Cecilia A. C. Prinsen, PhD, Jochen Schmitt, MD, MPH, Phyllis I. Spuls, MD, PhD, Kim S. Thomas, PhD, Hywel C. Williams, DSc, and Eric L. Simpson, MD, MCR, on behalf of the Harmonising Outcome Measures for Eczema (HOME) initiative

Product of Investigator Global Assessment and Body Surface Area (IGAxBSA): A practice-friendly alternative to the Eczema Area and Severity Index to assess atopic dermatitis severity in children

Bottom line: The product of Investigator Global Assessment and body surface area provides a rapid office-based severity measurement of pediatric atopic dermatitis that compares well with more cumbersome assessments.

Timothy P. Suh, BA, Divya Ramachandran, MPH, Vidhi Patel, BS, Kathryn L. Jackson, MS, Stephanie M. Rangel, PhD, Anna B. Fishbein, MD, MS, and Amy S. Paller, MD, MS

Dermatologic Surgery

1195

Outcomes in intermediate-risk squamous cell carcinomas treated with Mohs micrographic surgery compared with wide local excision

Bottom line: Mohs micrographic surgery alone provides superior margin control and decreased local recurrence of Brigham and Women's Hospital T2a intermediate-risk squamous cell carcinoma compared with wide local excision.

David D. Xiong, BS, Brandon T. Beal, MD, Vamsi Varra, BS, Marla Rodriguez, BS, Hannah Cundall, BS, Neil M. Woody, MD, Allison T. Vidimos, MD, RPh, Shlomo A. Koyfman, MD, and Thomas J. Knackstedt, MD

Review

1205

Cannabinoids for the treatment of chronic pruritus: A review

Bottom line: Physicians should be knowledgeable about the mechanistic justification for the use of cannabinoids for refractory pruritus that fails standard therapies when it is a legal option.

Christina Avila, MPH, Susan Massick, MD, Benjamin H. Kaffenberger, MD, Shawn G. Kwatra, MD, and Mark Bechtel, MD



Research Letters

- 1213 Telehealth: Helping your patients and practice survive and thrive during the COVID-19 crisis with rapid quality implementation *Ivy Lee, MD, Carrie Kovarik, MD, Trilokraj Tejasvi, MD, Michelle Pizarro, MHA, and Jules B. Lipoff, MD*
- **1215** Skin damage among health care workers managing coronavirus disease-2019

Jiajia Lan, MD, Zexing Song, BS, Xiaoping Miao, PhD, Hang Li, MD, PhD, Yan Li, MD, PhD, Liyun Dong, MD, Jing Yang, MD, PhD, Xiangjie An, MD, PhD, Yamin Zhang, MD, PhD, Liu Yang, MD, PhD, Nuoya Zhou, MD, Liu Yang, BS, Jun Li, MD, PhD, JingJiang Cao, MD, PhD, Jianxiu Wang, BS, and Juan Tao, MD, PhD

1217 Should biologics for psoriasis be interrupted in the era of COVID-19?

Mark Lebwohl, MD, Ryan Rivera-Oyola, MS, and Dedee F. Murrell, MA, BMBCh, MD, FRCP, FACD

- 1218 Retrospective case series of isotretinoin outcomes for acne in 393 female patients at Baylor College of Medicine during 2012-2016

 Joan Fernandez, BS, Brigette Lee, BS, Jay M. Patel, BS, Emma Weiss, MD,

 Jiating Jiang, BS, Harry Dao, MD, and Soo Jung Kim, MD, PhD
- 1219 Clinical features of dermatofibrosarcoma protuberans and risk factors for local recurrence after Mohs micrographic surgery Yanan Li, MD, Chuan Wang, MD, Kaiying Yang, MD, Suhua Peng, MD, Qi Wang, MD, Siyuan Chen, PhD, MD, and Yi Ji, PhD, MD
- A survey-based study of diagnostic and treatment concordance in standardized cases of cellulitis and pseudocellulitis via teledermatology

Abraham M. Korman, MD, Daniela Kroshinsky, MD, MPH, Adam B. Raff, MD, PhD, Arash Mostaghimi, MD, MPA, MPH, Robert G. Micheletti, MD, Misha Rosenbach, MD, and Benjamin H. Kaffenberger, MD, on behalf of the Society of Dermatology Hospitalists Scientific Task Force on Cellulitis

Home-based contact immunotherapy with diphenylcyclopropenone improves compliance with the recommended follow-up for patients with alopecia areata: A retrospective cohort study

Beom Jun Kim, MD, Solam Lee, MD, Chung Hyeok Lee, MD, and Won-Soo Lee, MD, PhD

- Psoriasis and the risk of migraines in the United States
 Alexa B. Steuer, MPH, Jeffrey M. Cohen, MD, Priscilla W. Wong, MS, and
 Roger S. Ho, MD, MS, MPH
- Association between micronutrient deficiency dermatoses and clinical outcomes in hospitalized patients

 Rachel L. Marsh, BA, John Trinidad, MD, MPH, Sabrina Shearer, MD, and Benjamin H. Kaffenberger, MD
- Response of alopecia areata of the beard to oral tofacitinib

 Karolina Louisa Suzanna Kerkemeyer, MBBS (Hons), BHlthSci,

 Jared Marc John, MBBS, MPH, Rodney Sinclair, MBBS, MD, FACD, and

 Bevin Bhoyrul, MBBS, MRCP



- The correlation of immune status with ultraviolet radiation—associated mutations in cutaneous squamous cell carcinoma: A case-control study
 - Marissa B. Lobl, BS, BBA, Dillon Clarey, MD, Shauna Higgins, MD, Taylor Thieman, BS, and Ashley Wysong, MD, MS
- Patients with hidradenitis suppurativa may suffer from neuropathic pain: A Finnish multicenter study

Laura Huilaja, MD, PhD, Mirkka J. Hirvonen, PhD, Tiina Lipitsä, MD, Armi Vihervaara, MD, Rauno Harvima, MD, PhD, DSc, Harri Sintonen, PhD, Jukka Pekka Kouri, MD, Martta Ranta, MSc, and Rafael Pasternack, MD, PhD

1234 Diabetes mellitus and hyperglycemic complications in bullous pemphigoid

Zi Teng Chai, MD, MRCP, Colin Tan, MBBS, MRCS (Edinburgh), May MeiQi Liau, MBChB, MRCP, Harsharon Kaur, MBBS, Shiu Ming Pang, MBBS, FRCP, FAMS (Dermatology), Yee Wei Phoon, MBBS, MMed, MRCP, FAMS (Dermatology), Nisha Suyien Chandran, MBBS, MMed, MRCP, FAMS (Dermatology), and Haur Yueh Lee, MBBS, MMed, MRCP, FAMS (Dermatology)

1237 Clinical outcome and safety of rituximab therapy for pemphigoid diseases

Napatra Tovanabutra, MD, and Aimee S. Payne, MD, PhD

1239 Hidradenitis suppurativa encounters in a national electronic health record database notable for low dermatology utilization, infrequent biologic prescriptions, and frequent opiate prescriptions

Mackenzie R. Wehner, MD, MPhil, Robert Micheletti, MD, Megan H. Noe, MD, MPH, Eleni Linos, MD, MPH, DrPH, David J. Margolis, MD, PhD, and Haley B. Naik, MD, MHSc

The prevalence of latent tuberculosis in dermatology patients on immunosuppressant therapy in New Orleans, Louisiana: A retrospective record review

Erika Elliott, BA, Rebecca Sarac, MD, Soraya Foutouhi, MS, PhD, MD, Jalal Maghfour, MS, Nayha Patel, BA, Juliana Martel, BA, and Andrea Murina. MD

1243 Ustekinumab does not increase tuberculosis risk: Results from a national database in South Korea

Soo Ick Cho, MD, Sungchan Kang, MS, Ye Eun Kim, MD, Jin Yong Lee, MD, PhD, MHA, and Seong Jin Jo, MD, PhD

1245 Cocamidopropyl betaine is commonly found in hypoallergenic personal care products for children

Reid W. Collis, BSMAS, and David M. Sheinbein, MD



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	1252	Dupilumab treatment of nummular dermatitis: A retrospective cohort study Sara Choi, BA, Gefei A. Zhu, MD, Matthew A. Lewis, MD, Golara Honari, MD, Albert S. Chiou, MD, Justin Ko, MD, MBA, and Jennifer K. Chen, MD
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Five-millimeter lateral margins are appropriate in the treatment

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