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From the Dermatology **Foundation**

1274

A retrospective multicenter study of fatal pediatric melanoma

Bottom line: Pediatric melanoma can be fatal in diverse clinical presentations, including a striking prevalence of Hispanic patients, and across clinical subtypes, although no fatal cases of spitzoid melanoma were diagnosed during childhood.

Elena B. Hawryluk, MD, PhD, Danna Moustafa, BS,

Diana Bartenstein, MD, Meera Brahmbhatt, MD, Kelly Cordoro, MD, Laura Gardner, MD, Abigail Gauthier, BS,

Douglas Grossman, MD, PhD, Deepti Gupta, MD,

Raegan D. Hunt, MD, PhD, Melinda Jen, MD, Pei-Chi Kao, MPH,

Lacey L. Kruse, MD, Leslie P. Lawley, MD, Wendy B. London, PhD,

Danny Mansour, MD, Judith A. O'Haver, PhD, RN,

Thuy Phung, MD, PhD, Elena Pope, MD, MSc, Harper N. Price, MD,

Tova Rogers, MD, Sonal D. Shah, MD, Zachary Wolner, MD, Jennifer Huang, MD, and Ashfaq A. Marghoob, MD

Original Articles

1282

Efficacy and safety of dupilumab with concomitant topical corticosteroids in children 6 to 11 years old with severe atopic dermatitis: A randomized, double-blinded, placebo-controlled phase 3 trial

Bottom line: Dupilumab biologic therapy targeting the shared receptor component for interleukin-4 and interleukin-13 improves outcomes in children with severe atopic dermatitis inadequately controlled with topical corticosteroids, including signs, symptoms, and quality-of-life, with an acceptable safety profile.

Amy S. Paller, MD, Elaine C. Siegfried, MD, Diamant Thaçi, MD, Andreas Wollenberg, MD, FAAAAI, Michael J. Cork, MB, PhD, Peter D. Arkwright, FRCPCH, DPhil, Melinda Gooderham, MD, Lisa A. Beck, MD, Mark Boguniewicz, MD, Lawrence Sher, MD, FAAP, Jamie Weisman, MD, John T. O'Malley, MD, PhD, Naimish Patel, MD, Megan Hardin, MD, MPH, Neil M. H. Graham, MD, Marcella Ruddy, MD, Xian Sun, PhD, John D. Davis, PhD, Mohamed A. Kamal, PharmD, PhD, Faisal A. Khokhar, MD, David M. Weinreich, MD, MBA, George D. Yancopoulos, MD, PhD, Bethany Beazley, PhD, Ashish Bansal, MD, MBA, and Brad Shumel, MD

1294 The effect of platelet-rich plasma on female androgenetic alopecia: A randomized controlled trial

> Bottom line: Platelet-rich plasma improved hair density, hair caliber, and global hair appearance compared to placebo.

Danielle P. Dubin, MD, Matthew J. Lin, MD, Hayley M. Leight, MD, Aaron S. Farberg, MD, Richard L. Torbeck, MD, William B. Burton, PhD, and Hooman Khorasani, MD

1298 Evaluation of platelet-rich plasma as a treatment for androgenetic alopecia: A randomized controlled trial

> Bottom line: Hair density increased after platelet-rich plasma treatment, although not significantly greater than placebo. Treatment is potentially efficacious, although further studies comparing to placebo are necessary. Jerry Shapiro, MD, Anthony Ho, MD, Kumar Sukhdeo, MD, PhD, Lu Yin, BA, and Kristen Lo Sicco, MD



Treatment of keloids with a single dose of low-energy superficial X-ray radiation to prevent recurrence after surgical excision:

An in vitro and in vivo study

Bottom line: According to radiation parameters determined in vitro, a single dose of 8 Gy, 50 kV radiation delivered an average of 34 days after keloid excision blocked recurrence in 13 of 14 keloids, although 4 patients with 6 keloids were lost to follow-up.

Yuna Son, MS, Ernest Owen Nicandro Phillips, BS, Kristin Magrini Price, MD, Laurence Zalmon Rosenberg, MD, Branko Stefanovic, PhD, Christopher Michael Wolfe, DO, Tarek Samir Shaath, MD, Amit Om, MD, George Franklin Cohen, MD, and Akash Gunjan, PhD

Multicenter prospective study on multivariant diagnostics of autoimmune bullous dermatoses using the BIOCHIP technology

Bottom line: The extended BIOCHIP Mosaic is a time- and serum-saving approach that allows the serologic diagnosis of AIBD in nearly 98% of patients and has a high agreement with the conventional multistep approach.

Nina van Beek, MD, Stine Krüger, MD, Tarek Fuhrmann, MD, Susanne Lemcke, PhD, Stephanie Goletz, PhD, Christian Probst, PhD, Lars Komorowski, PhD, Giovanni Di Zenzo, PhD, Marian Dmochowski, MD, Kossara Drenovska, MD, PhD, Michael Horn, PhD, Hana Jedlickova, MD, Cezary Kowalewski, MD, PhD, Ljiljana Medenica, MD, PhD, Dedee Murrell, MD, Aikaterini Patsatsi, MD, Shamir Geller, MD, Soner Uzun, MD, Snejina Vassileva, MD, PhD, Xuejun Zhu, MD, Kai Fechner, PhD, Detlef Zillikens, MD, Winfried Stöcker, MD, Enno Schmidt, MD, PhD, and Kristin Rentzsch

Drug reaction with eosinophilia and systemic symptoms (DRESS) in the pediatric population: A systematic review of the literature

Bottom line: In this systematic literature review of drug reaction with eosinophilia and systemic symptoms in children, acute respiratory distress syndrome and multiorgan failure were serious complications, and corticosteroids, in conjunction with intravenous immunoglobulin in some severe cases, appear to be effective treatments.

Grace Y. Kim, MD, Katelyn R. Anderson, MD, Dawn M. R. Davis, MD, Jennifer L. Hand, MD, and Megha M. Tollefson, MD

Association between rosacea and cardiometabolic disease:
A systematic review and meta-analysis

Bottom line: This meta-analysis suggests that rosacea showed correlation with hypertension and dyslipidemia; therefore, patients with rosacea are encouraged to be screened for indicators identified with cardiometabolic disease, which may be helpful for diagnosis and appropriate treatment at an early stage.

Qi Chen, MD, Xiao Shi, MD, Yan Tang, MD, PhD, Ben Wang, MD, PhD, Hong-fu Xie, MD, PhD, Wei Shi, MD, PhD, and Ji Li, MD, PhD



The effect of subcutaneous brodalumab on clinical disease activity in hidradenitis suppurativa: An open-label cohort study

Bottom line: Brodalumab was well tolerated and showed a high rate of clinical response in this cohort. Larger placebo-controlled studies stratifying by disease severity are encouraged to further explore the safety and efficacy of brodalumab in HS.

John W. Frew, MBBS, Kristina Navrazhina, BA, David Grand, BA, Mary Sullivan-Whalen, FNP, Patricia Gilleaudeau, FNP, Sandra Garcet, PhD, Jonathan Ungar, MD, and James G. Krueger, MD, PhD

1349 Association of atopic dermatitis severity with cognitive function in adults

Bottom line: These data demonstrate that cognitive dysfunction is a novel, common, and burdensome symptom in atopic dermatitis. Cognitive function may be an important end point for monitoring treatment response in atopic dermatitis.

Jonathan I. Silverberg, MD, PhD, MPH, Donald Lei, MS, Muhammad Yousaf, BS, Sherief R. Janmohamed, MD, PhD, Paras P. Vakharia, MD, PharmD, Rishi Chopra, MD, MS, Rajeev Chavda, MD, Sylvie Gabriel, MD, Kevin R. Patel, MD, Vivek Singam, MD, Robert Kantor, MD, Derek Y. Hsu, MD, and David Cella, PhD

New-onset depression among children, adolescents, and adults with hidradenitis suppurativa

Bottom line: Pediatric and adult patients with hidradenitis suppurativa are at an increased risk for depression. Periodic screening for depression is warranted in patients with hidradenitis suppurativa, particularly among those who have additional risk factors.

Shari Wright, BS, Andrew Strunk, MA, and Amit Garg, MD

Bimekizumab for patients with moderate to severe plaque psoriasis: 60-week results from BE ABLE 2, a randomized, double-blinded, placebo-controlled, phase 2b extension study

Bottom line: These data further support dual neutralization of interleukin 17A and 17F with bimekizumab as a novel therapeutic approach for patients with psoriasis.

Andrew Blauvelt, MD, MBA, Kim A. Papp, MD, PhD, Joseph F. Merola, MD, Alice B. Gottlieb, MD, PhD, Nancy Cross, MD, Cynthia Madden, MD, MPH, Maggie Wang, MS, Christopher Cioffi, PhD, and Christopher E. M. Griffiths, MD

1375 Long-term effectiveness and safety of treatment with dupilumab in patients with atopic dermatitis: Results of the TREAT NL (TREatment of ATopic eczema, the Netherlands) registry

Bottom line: Dupilumab treatment of up to 84 weeks, in combination with topical treatment and initial concomitant systemic treatment, can be considered effective and is generally well-tolerated.

Angela L. Bosma, MD, Linde E. M. de Wijs, MD, Michel H. Hof, PhD, Beau R. van Nieuwenhuizen, MD, Louise A. A. Gerbens, MD, PhD, Maritza A. Middelkamp-Hup, MD, PhD, DirkJan Hijnen, MD, PhD, and Phyllis I. Spuls, MD, PhD



1385 Bidirectional relationship between atopic dermatitis and inflammatory bowel disease: A systematic review and meta-analysis

Bottom line: Our systematic review and meta-analysis suggest that there is a bidirectional association between inflammatory bowel disease and atopic dermatitis. A multidisciplinary approach may be required for these patients.

Hanjae Lee, MD, Ji Hoo Lee, Seong-Joon Koh, MD, PhD, and Hyunsun Park, MD, PhD

Dermatologic Surgery

1395

Photographic assessment of postsurgical facial scars epidermally sutured with rapidly absorbable polyglactin 910 or nylon: A randomized clinical trial

Bottom line: In this randomized clinical trial of 105 patients, no significant difference in facial scar appearance was found between rapidly absorbable polyglactin 910 and nylon suture.

Benvon Moran, MB, FRCPI, FACMS,

Shannon Humphrey, MD, FRCPC, FAAD, Alexander Seal, MD, FRCSC, Jonathan Berkowitz, PhD, and David Zloty, MD, FRCP, FAAD

Dermatopathology

1400

Evaluation of the polymerase chain reaction—based T-cell receptor β clonality test in the diagnosis of early mycosis fungoides

Bottom line: T-cell receptor β assay showed a higher sensitivity rate than T-cell receptor γ assay. Using both assays can improve the diagnosis rate of early-stage mycosis fungoides.

Orit Schachter, MD, Hila Tabibian-Keissar, PhD, Assaf Debby, MD, MSc, Oz Segal, MD, Sharon Baum, MD, and Aviv Barzilai, MD, MSc

Reviews

1406

Survival in patients with multiple primary melanomas: Systematic review and meta-analysis

Bottom line: Studies using delayed-entry or time-varying statistical analyses address survival bias. A meta-analysis of such studies demonstrates survival disadvantage of multiple primary melanomas. Genevieve Peek, MBBS, Catherine M. Olsen, PhD, Peter Baade, PhD, Danny R. Youlden, PhD, Joanne F. Aitken, PhD, Adele C. Green, MBBS, PhD, and Kiarash Khosrotehrani, MD, PhD

1415 Cutaneous adverse reactions to anti-PD-1 treatment—A systematic review

Bottom line: Early referral for dermatologic evaluation is recommended to target the treatment of adverse cutaneous reactions, thus reducing morbidity and increasing the chance of continuing anti—PD-1 treatment. Anne Birgitte Simonsen, MD, PhD, Jeanette Kaae, MD, PhD, Eva Ellebaek, MD, PhD, Inge Marie Svane, MD, PhD, and Claus Zachariae, MD, DMSci

1425



Anticancer therapies associated with secondary cutaneous

Bottom line: Dermatologists are critical members of oncologic care teams, and patients on specified targeted therapy, immunotherapy, and radiotherapy should undergo surveillance to monitor for and treat

malignancies: A review of the literature

		secondary cutaneous malignancies. Alana Deutsch, BA, Yevgeniy Balagula, MD, and Beth N. McLellan, MD
Research Letters	1434	Lack of association between chilblains outbreak and severe acute respiratory syndrome coronavirus 2: Histologic and serologic findings from a new immunoassay Vivien Hébert, MD, Anne-Bénédicte Duval-Modeste, MD, Pascal Joly, MD, PhD, Véronique Lemée, MD, Lucie Cellier, MD, Fabienne Jouen, MD, Benoit Veber, MD, PhD, Laurent Drouot, PhD, and Olivier Boyer, MD, PhD
	1436	No reactivation of tuberculosis in patients with latent tuberculosis infection receiving ixekizumab: A report from 16 clinical studies of patients with psoriasis or psoriatic arthritis Ulrich Mrowietz, MD, PhD, Elisabeth Riedl, MD, Stefan Winkler, MD, PhD, Wen Xu, PhD, Himanshu Patel, MD, Noah Agada, MD, and Mark G. Lebwohl, MD
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