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A Clinician's Perspective 1545 Melanoma healthcare and outcome disparities

Warren R. Heymann, MD

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Original Articles

Use of teledermatology by dermatology hospitalists is effective in the diagnosis and management of inpatient disease

Bottom line: Teledermatology in the inpatient setting may be a clinically acceptable option for diagnosis, evaluation, and management. This may represent a novel and effective option for hospitals.

Colleen K. Gabel, BS, Emily Nguyen, BS, Ryan Karmouta, MD, MBA, Kristina J. Liu, MD, MHS, Guohai Zhou, PhD, Allireza Alloo, MD, Ryan Arakaki, MD, Yevgeniy Balagula, MD, Alina G. Bridges, DO, Edward W. Cowen, MD, MHSc, Mark Denis P. Davis, MD, Alisa Femia, MD, Joanna Harp, MD, Benjamin Kaffenberger, MD, Jesse J. Keller, MD, Bernice Y. Kwong, MD, Alina Markova, MD, Melissa Mauskar, MD, Robert Micheletti, MD, Arash Mostaghimi, MD, MPH, Joseph Pierson, MD, Misha Rosenbach, MD, Zachary Schwager, MD, Lucia Seminario-Vidal, MD, PhD, Victoria R. Sharon, MD, DTMH, Philip I. Song, MD, Lindsay C. Strowd, MD, Andrew C. Walls, MD, Karolyn A. Wanat, MD, David A. Wetter, MD, Scott Worswick, MD, Carolyn Ziemer, MD, MPH, Joseph Kvedar, MD, Anar Mikailov, MD, and Daniela Kroshinsky, MD, MPH

1554 Cutaneous reactions in children treated with MEK inhibitors, BRAF inhibitors, or combination therapy: A multicenter study

Bottom line: This study shows that cutaneous reactions are common in children on MEKI/BRAFI. One third of children had a treatment alteration/disruption due to a cutaneous reaction. Preventative skin care measures could help prevent many treatment alterations.

Christina L. Boull, MD, Samantha Gardeen, MD, Talal Abdali, MD, Edward Li, PhD, Jolee Potts, BS, Nathan Rubin, MS, Valerie M. Carlberg, MD, Deepti Gupta, MD, Raegan Hunt, MD, PhD, Minnelly Luu, MD, Sheilagh M. Maguiness, MD, Christopher L. Moertel, MD, Hannah Song, MD, Karina L. Vivar, MD, Carrie Coughlin, MD, Jennifer T. Huang, MD, and Irene Lara-Corrales, MD

Evaluating change in disease activity needed to reflect meaningful improvement in quality of life for clinical trials in cutaneous lupus erythematosus

Bottom line: Analysis of clinical trials can include patients with milder disease and use endpoints that are meaningful to patients to advance new treatments.

Srita Chakka, MD, Rebecca L. Krain, MD, Sarah Ahmed, MD, Josef Symon S. Concha, MD, Rui Feng, PhD, Joan T. Merrill, MD, and Victoria P. Werth, MD



Dark pigmented lesions: Diagnostic accuracy of dermoscopy and reflectance confocal microscopy in a tertiary referral center for skin cancer diagnosis

Bottom line: The integration of reflectance confocal microscopy for 370 dark pigmented lesions with clinical and dermoscopic suspicion for melanoma allowed us to save 60.6% of unnecessary excisions while improving the number needed to excise.

Caterina Longo, MD, PhD, Mauro Mazzeo, MD, Margherita Raucci, RN, Luigi Cornacchia, MD, Michela Lai, MD, Luca Bianchi, MD, Ketty Peris, MD, Riccardo Pampena, MD, and Giovanni Pellacani, MD

In vivo imaging characterization of basal cell carcinoma and cutaneous response to high-dose ionizing radiation therapy:

A prospective study of reflectance confocal microscopy, dermoscopy, and ultrasonography

Bottom line: In the future, patients undergoing nonsurgical modalities, such as radiation therapy, may benefit from these emerging noninvasive diagnostic modalities to guide and monitor treatment.

Cristian Navarrete-Dechent, MD, Miguel Cordova, MD, Konstantinos Liopyris, MD, Saud Aleissa, MD, Milind Rajadhyaksha, PhD, Gil'ad Cohen, MS, Ashfaq A. Marghoob, MD, Anthony M. Rossi, MD, and Christopher A. Barker, MD

The ongoing racial disparities in melanoma: An analysis of the Surveillance, Epidemiology, and End Results database (1975-2016)

Bottom line: Improving postdiagnosis management for minorities with localized disease is imperative to improve survival outcomes.

Yingzhi Qian, MA, Paul Johannet, MD, Amelia Sawyers, BA, Jaehong Yu, PhD, Iman Osman, MD, and Judy Zhong, PhD



The Alopecia Areata Consensus of Experts (ACE) study part II: Results of an international expert opinion on diagnosis and laboratory evaluation for alopecia areata

Bottom line: The consensus document identifies potential areas where research may be directed.

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Katherine York, MBBCh, FCDerm (SA),

Bevin Bhoyrul, MBBS, MRCP (UK), Laita Bokhari, MPhil Med,

Daniel Asz-Sigall, MD, Wilma F. Bergfeld, MD, Regina C. Betz, MD,

Ulrike Blume-Peytavi, MD, Valerie Callender, MD, FAAD,

Vijaya Chitreddy, FACD, Andrea Combalia, MD,

George Cotsarelis, MD, Brittany Craiglow, MD,

Jeff Donovan, MD, PhD, Samantha Eisman, MBChB, MRCP, FACD,

Paul Farrant, MBBS, BSc, MRCP, Jack Green, FACD,

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Lidia Rudnicka, MD, PhD, Jerry Shapiro, MD, FAAD,

Pooja Sharma, MBBS, FACD, Antonella Tosti, MD, Annika Vogt, MD,

Martin Wade, FACD, Leona Yip, MBChB, PhD, FACD,

Abraham Zlotogorski, MD, and Rodney D. Sinclair, MBBS, MD, FACD

Age-appropriate cancer screening: A cohort study of adults with psoriasis prescribed biologics, adults in the general population, and adults with hypertension

Bottom line: Patients with psoriasis who are prescribed biologic therapies may not be receiving adequate age-appropriate cancer screening, especially for breast and colon cancer.

John S. Barbieri, MD, MBA, Shiyu Wang, MS,

Alexis R. Ogdie, MD, MSCE, Daniel B. Shin, PhD, and

Junko Takeshita, MD, PhD, MSCE

Skin disease is more recalcitrant than muscle disease:
A long-term prospective study of 184 children with juvenile dermatomyositis

Bottom line: Clinicians should consider both the activity of skin manifestations and muscle dysfunction in therapeutic decision making. Andi Wang, BA, Gabrielle A. Morgan, MA, Amy S. Paller, MD, and Lauren M. Pachman. MD



The long-term risk of lymphoma and skin cancer did not increase after topical calcineurin inhibitor use and phototherapy in a cohort of 25,694 patients with vitiligo

Bottom line: Our cohort study could help patients alleviate excessive concerns about topical calcineurin inhibitors use and phototherapy. Hyun Jeong Ju, MD, Ju Hee Han, MD, Min-Soo Kim, MD, Si-Hyung Lee, MD, PhD, Jung-Won Shin, MD, PhD, Mira Choi, MD, PhD, Ki-Heon Jeong, MD, PhD, Tae Young Han, MD, PhD, Chong Won Choi, MD, PhD, Hee Jung Lee, MD, PhD, Sang Ho Oh, MD, PhD, Sang Hoon Lee, MD, PhD, Dong Hyun Kim, MD, PhD, Jeonghyun Shin, MD, PhD, Jong Hee Lee, MD, PhD, Sang Seok Kim, MD, PhD, Hee Young Kang, MD, PhD, Sung Eun Chang, MD, PhD, Jeong-Soo Kim, MD, PhD, Dong-Youn Lee, MD, PhD, Gwang Seong Choi, MD, PhD, Dae Hun Suh, MD, PhD, You Chan Kim, MD, PhD, Chul Jong Park, MD, PhD, Ki-Ho Kim, MD, PhD, Ai-Young Lee, MD, PhD, Kyoung Chan Park, MD, PhD, Mu-Hyoung Lee, MD, PhD, and Jung Min Bae, MD, PhD, on behalf of the Korean Society for Vitiligo and the Korean Society for Photomedicine

Association of the Affordable Care Act's Medicaid expansion with the diagnosis and treatment of clinically localized melanoma: A National Cancer Database study

Bottom line: Public health policies such as Medicaid that improve insurance coverage among lower socioeconomic status populations may lead to earlier melanoma diagnoses, potentially improving outcomes among these disproportionately affected communities.

Richard J. Straker III, MD, Yun Song, MD, Adrienne B. Shannon, MD, Emily Y. Chu, MD, PhD, John T. Miura, MD, Michael E. Ming, MD, MSCE, and Giorgos C. Karakousis, MD

Risk of liver disease in patients with psoriasis, psoriatic arthritis, and rheumatoid arthritis receiving methotrexate: A population-based study

Bottom line: Conservative hepatotoxicity monitoring may be warranted in patients receiving methotrexate for psoriatic disease.

Joel M. Gelfand, MD, MSCE, Joy Wan, MD, MSCE, He Zhang, PhD, Daniel B. Shin, PhD, Alexis Ogdie, MD, MSCE, Maha N. Syed, MBBS, and Alexander Egeberg, MD, PhD



Safety of low-dose oral minoxidil for hair loss: A multicenter study of 1404 patients

Bottom line: Although infrequent, dermatologists should be aware of the potential systemic adverse effects of low-dose oral minoxidil, which include lightheadedness, fluid retention, tachycardia, headache, periorbital edema, and insomnia.

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Juan Jimenez-Cauhe, MD, Wei L. Koh, MBBS, MRCP,
Janina E. Poa, MD, FPDS, Rebekka Jerjen, BMSc (Hons), MChD,
Lara Trindade de Carvalho, MD,
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Kristen Lo-Sicco, MD, Anna Waskiel-Burnat, MD, PhD,
Michela Starace, MD, PhD, Jose Luis Zamorano, MD, PhD,
Pedro Jaén-Olasolo, MD, PhD, Bianca Maria Piraccini, MD, PhD,
Lidia Rudnicka, MD, PhD, Jerry Shapiro, MD, PhD,
Antonella Tosti, MD, PhD, Rodney Sinclair, MD, FACD, and
Bevin Bhoyrul, MBBS, MRCP

Reviews

An evidence-based guide to SARS-CoV-2 vaccination of patients on immunotherapies in dermatology

Bottom line: The SARS-CoV-2 vaccines approved and distributed are expected to be safe for patients on immunotherapeutics with some variability in efficacy, depending on the degree of immunosuppression and type of vaccine given.

Louise M. Gresham, MD, Barbara Marzario, MD, Jan Dutz, MD, FRCPC, and Mark G. Kirchhof, MD, PhD, FRCPC

1667 Neurofibromatosis type 1: New developments in genetics and treatment

Bottom line: Modified diagnostic criteria and an algorithm for surveillance and treatment are provided to assist in diagnosis and health care maintenance.

Britney N. Wilson, BA, MS, Ann M. John, MD, Marc Zachary Handler, MD, and Robert A. Schwartz, MD, MPH, DSc (Hon), FRCP Edin

The impact of demographics, socioeconomics, and health care access on melanoma outcomes

Bottom line: An understanding of factors that affect melanoma outcomes can inform clinical practice and health care policy and can lead to improved detection and management of this aggressive malignancy.

Jose L. Cortez, MS, Juan Vasquez, BA, and Maria L. Wei, MD, PhD



| Research Letters | 1684 | Oral minoxidil improves background hair thickness in lichen planopilaris Sergio Vañó-Galván, MD, PhD, Lara Trindade de Carvalho, MD, David Saceda-Corralo, MD, PhD, Rita Rodrigues-Barata, MD, Karolina L. Kerkemeyer, MBBS (Honours), Rodney D. Sinclair, MBBS, MD, FACD, Ángela Hermosa-Gelbard, MD, Óscar M. Moreno-Arrones, MD, PhD, Juan Jimenez-Cauhe, MD, and Bevin Bhoyrul, MBBS, MRCP (UK) |
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| | 1689 | Combination oral minoxidil and spironolactone for the treatment of androgenetic alopecia in adolescent girls Brianna Olamiju, BA, and Brittany G. Craiglow, MD |
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| | 1694 | Seborrheic dermatitis-distributed rash in dermatomyositis is associated with progressive interstitial lung disease Xinzhi Xu, BS, Binglin Chen, BS, Junxia Huang, BS, Ji Yang, MD, PhD, and Ming Li, MD, PhD |
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| | 1698 | COVID-19 impacts on dermatologic surgery patients: A single institution experience Melissa J. Danesh, MD, Martina Porter, MD, Katherine Brag, MD, Prerna Salian, MPH, and Suzanne Olbricht, MD |
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| | 1701 | Isomorphic and symmetric adult-onset generalized morphea are associated with distinctive clinical features: A retrospective multicenter study Antoine Braud, MD, Antoine Mahé, MD, Catherine Michel, MD, Bernard Cribier, MD, PhD, Dan Lipsker, MD, PhD, and Cédric Lenormand, MD, PhD |



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| | Ruben González Cuevas, MD, Alessia Villani, MD, Zoe Apalla, MD, |
| | Athanassios Kyrgidis MD Leonardo Peruilh Ragolini MD |

Chryssoula Papageorgiou, MD, Magdalini-Sofia Manoli, MD,
Mattheos Bobos, MD, Andreas Moutsoudis, MD,
Konstantinos Liopyris, MD, Elizabeth Lazaridou, MD,
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and Aimilios Lallas, MD

- 1705 Utility of infrared thermography in differentiating cellulitis from pseudocellulitis of the lower limbs—A diagnostic accuracy study Chethan Rangappa Hanumakka, MBBS, Nanda Kishor Maroju, MD, and Laxmisha Chandrashekar, MD
- Tumor necrosis factor-like weak inducer of apoptosis (TWEAK) in psoriasis and atopic dermatitis: A case-control study

 Hanan R. Nada, MD, Laila A. Rashed, MD,

 Asmaa M. Mohamed, MBBCh, and Heba A. Abdelkader, MD
- 1708 Patterns of incidental perineural invasion and prognosis in cutaneous squamous cell carcinoma: A multicenter, retrospective cohort study

Alberto Conde-Ferreirós, MD, Luis A. Corchete, MSc, PhD, Ane Jaka, MD, PhD, Ángel Santos-Briz, MD, PhD, María José Fuente, MD, PhD, Rodolfo Posada, MD, Laura Pons, MD, Sebastián Podlipnik, MD, Ramón M. Pujol, MD, PhD, Concepción Román-Curto, MD, PhD, Agustí Toll, MD, PhD, and Javier Cañueto, MD, PhD

1712 Association of clinical severity scores with psychosocial impact in patients with hidradenitis suppurativa

Abdulhadi Jfri, MD, MSc, Elena Netchiporouk, MD, MSc, FRCPC, Katherine Raymond, MD, FRCPC, Ivan V. Litvinov, MD, PhD, FRCPC, and Elizabeth O'Brien, MD, FRCPC

1715 Improvement in body surface area is associated with better quality of life among patients with psoriasis in the Corrona Psoriasis Registry

Jashin J. Wu, MD, Amy Schrader, MS, Robert R. McLean, DSc, MPH, Wendell Valdecantos, MD, Carol Etzel, PhD, and Rakesh Singh, PhD

1717 Distribution of the dermoscopic features of melanoma of trunk and extremities according to the anatomic sublocation

Juta Maskalane, MD, Eliza Salijuma, MD, Konstantinos Lallas, MD, Chryssoula Papageorgiou, MD, Theodosia Gkentsidi, MD, Magdalini-Sofia Manoli, MD, Ioannis Spyridis, MD, Ilias Papadimitriou, MD, Elizabeth Lazaridou, PhD, Elena Sotiriou, PhD, Efstratios Vakirlis, PhD, Dimitrios Ioannides, PhD, Zoe Apalla, PhD, and Aimilios Lallas, PhD



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| 1722 | Low CD4 ⁺ T-cell nadir as a preoperative risk factor for squamous cell carcinoma with larger surgical margins during Mohs micrographic surgery among patients infected with HIV Maggie Chow, MD, PhD, Adam Miller, MD, and Shang I. Brian Jiang, MD |
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| 1732 | Cutaneous signs and risk factors for ocular melanoma Katherine Ann McDonald, MD, Hatem Krema, MD, MSc, FRCS, FICO (Hon), and An-Wen Chan, MD, DPhil (Oxon), FRCPC |
| 1734 | The magnitude of increased United States melanoma incidence attributable to ground-level ultraviolet radiation intensity trends Justin W. Marson, MD, Graham H. Litchman, DO, MS, and Darrell S. Rigel, MD, MS |
| 1736 | Utility of confocal microscopy in the management of lentigo maligna and lentigo maligna melanoma Payal Shah, BS, Nicholas Gulati, MD, PhD, Jennifer Stein, MD, PhD, David Polsky, MD, PhD, Nayoung Lee, MD, and Tracey N. Liebman, MD |
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| 1739 | Risk factors affecting the first metastasis of acral melanoma: Low- pigmentation independently predicts a first lung metastasis Geon Wook Ryu, MD, Yoo Duk Choi, MD, PhD, Young Jae Ryu, MD, Jee-Bum Lee, MD, PhD, Min-Ho Shin, MD, PhD, and Sook Jung Yun, MD, PhD |
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The chronic use of multiple photosensitizing drugs is associated with Breslow thickness in female melanoma patients: A bicentric retrospective study

Emi Dika, PhD, Simona Mastroeni, MD, Martina Lambertini, MD, Federica Scarfì, MD, Annalisa Patrizi, PhD, Giulia Veronesi, MD, Elisabetta Magnaterra, MD, Alessandro Borghi, MD, Monica Corazza, PhD, Igor Diemberger, MD, Elisabetta Poluzzi, MD, and Cristina Fortes, PhD

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> Rebecca I. Hartman, MD, MPH, Jennifer La, PhD, Michael S. Chang, BA, David Cheng, PhD, Nhan Do, MD, Mary Brophy, MD, and Nathanael R. Fillmore, PhD

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Christine E. Jo, BSc, Asfandyar Mufti, MD, Muskaan Sachdeva, BHSc, Melanie Pratt, MD, FRCPC, and Jensen Yeung, MD, FRCPC

1776 Disparities in melanoma stage at diagnosis in Arizona: A 10-year Arizona Cancer Registry study

Jenna E. Koblinski, BS, Philip Maykowski, MPH, and Nathalie C. Zeitouni, MDCM

Health Policy & Practice 1780

Legislative update: Regulating ingredients in personal care products

Kelly E. Flanagan, MS, James T. Pathoulas, BA, Chloe J. Walker, MD, MHS, Isabel Pupo Wiss, BS, and Maryanne M. Senna, MD



| Consultative Dermatology | 1782 | Disseminated intravascular coagulation in Stevens-Johnson syndrome and toxic epidermal necrolysis Bottom line: Patients with Stevens-Johnson syndrome/toxic epidermal necrolysis complicated by disseminated intravascular coagulation had a significantly higher risk of multiple organ failure and mortality. Therefore, early recognition and appropriate management of disseminated intravascular coagulation are important for patients with Stevens-Johnson syndrome/toxic epidermal necrolysis. Chun-Bing Chen, MD, Tsun-Hao Hsu, MD, Rosaline Chung-Yee Hui, MD, PhD, Chun-Wei Lu, MD, Wei-Ti Chen, MD, Pin-Hsuan Chiang, MD, Chuang-Wei Wang, PhD, Shiow-Shuh Chuang, MD, PhD, Jui-Yung Yang, MD, Shih-Yi Yang, MD, Shu-Ying Chang, MD, Yen-Chang Hsiao, MD, Kuo-Chin Kao, MD, Han-Chung Hu, MD, Ting-Shu Wu, MD, PhD, Chao-Wei Hsu, MD, PhD, David Hui-Kang Ma, MD, PhD, Shin-Yi Chen, MD, Ya-Chung Tian, MD, Chi-Yuan Cheng, MS, Chi-Hua Chen, MS, PhD, Min-Hui Chi, MD, Ming-Ying Wu, MD, Ren-Feng Liu, MD, Chi-Hui Wang, MD, Ya-Ching Chang, MD, Jing-Yi Lin, MD, Hsin-Chun Ho, MD, Yang Yu-Wei Lin, Chee Jen Chang, PhD, Yu-Jr Lin, BA, Cheng-Lung Ku, PhD, Shuen-Iu Hung, PhD, and Wen-Hung Chung, MD, PhD, for the Taiwan Severe Cutaneous Adverse Reaction Consortium |
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