



Dawn H. Siegel, MD

- Clinical Professor, Dermatology
- Clinical Professor (By courtesy), Pediatrics

CLINICAL OFFICE (PRIMARY)

- **Pediatric Dermatology Clinic**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Trish Dykzeul - Administrative Associate

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Bio

BIO

Dawn Siegel, MD is a Professor in Dermatology at Stanford University. She is affiliated with Lucile Packard Children's Hospital (LPCH) at Stanford and Stanford Hospital and Clinics (SHC). She received her medical degree from University of Wisconsin -Madison and completed her dermatology residency and pediatric dermatology fellowship at University of California San Francisco. She has been in practice for over 15 years. She specializes in hemangiomas, birthmarks, vascular anomalies and genetic skin conditions. Her research interests are in strawberry birthmarks (hemangiomas) and the related multiple congenital anomaly syndrome, PHACE (Posterior Fossa anomalies, Hemangiomas, Arterial anomalies, Cardiac defects, and Eye anomalies).

CLINICAL FOCUS

- Pediatric Dermatology

ACADEMIC APPOINTMENTS

- Clinical Professor, Dermatology
- Clinical Professor (By courtesy), Pediatrics
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Dermatology, American Board of Dermatology (2008)
- Fellowship: UCSF Dept of Dermatology (2007) CA
- Board Certification: Dermatology, American Board of Dermatology (2006)
- Residency: UCSF Dept of Dermatology (2006) CA
- Residency: UCSF Benioff Childrens Hospital Pediatric Residency (2000) CA
- Medical Education: University of Wisconsin Madison Office of the Registrar (1998) WI

Research & Scholarship

RESEARCH INTERESTS

- Equity in Education

CURRENT RESEARCH AND SCHOLARLY INTERESTS

To learn more about our research and community outreach programs visit our laboratory website at: <https://med.stanford.edu/dawn-siegel-lab.html>

PROJECTS

- Skin Community Outreach for Research and Education (SCORE)

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Bianca Martin, Lauren Taylor, Katya Vera

Publications

PUBLICATIONS

- **CBL Syndrome With Granular Cell Tumor and café au lait macules: Expansion of the Phenotype.** *American journal of medical genetics. Part A*
Harrington, C. N., Kohl, E., Gilitwala, Z., Teng, J., Siegel, D. H., Charville, G. W., Steffner, R. J., Stevenson, D. A.
2026
- **Multi-center study of long-term evolution of neuroimaging findings in PHACE syndrome.** *European journal of paediatric neurology : EJPN : official journal of the European Paediatric Neurology Society*
George, E., Braun, M., Vassar, R., Fox, C. K., Siegel, D. H., Mathes, E.
2026; 61: 1-7
- **Scrolling for Solutions: Social Media Use Among Caregivers in Pediatric Dermatology.** *Pediatric dermatology*
Bui, J. K., Stein, A. B., Maguiness, S., Siegel, D. H.
2025
- **Characteristics of Youth Utilizing Pediatric Dermatology: A Cross-sectional PEDSnet Study.** *Journal of the American Academy of Dermatology*
Thapar, M., Kille, B., Tucker, J., Schmiege, S. J., Creighton, E. G., Boos, M. D., Faith, E. F., Paller, A. S., Siegel, D. H., Siegel, L. H., Varki, R. T., Yan, A., Kohn, et al
2025
- **LUMBAR Syndrome State-Of-The-Art Review: Insights Into a Rare and Complex Condition.** *Pediatric dermatology*
Martin, B., Bui, J. K., Corpin, A., Siegel, D. H., Metry, D. W.
2025
- **Association Between Governmental Financial Support Programs and Decreased Medical Care Affordability Delays in Pediatric Atopic Dermatitis**
Youn, G., Yang, V., Yu, B., Marqueling, A., Siegel, D., Ko, J., Bae, G.
MOSBY-ELSEVIER.2025: AB126
- **Generation of human induced pluripotent stem cell lines from patients with PHACE syndrome.** *Stem cell research*
Ramchandani, R., Cheawsamoot, C., Torres, G. A., Arthur Ataam, J., Siegel, D., Karakikes, I.
2025; 87: 103802
- **Reliability of the Ichthyosis Scoring System in Individuals With Skin of Color.** *JAMA dermatology*
Luo, A. J., Arkin, L. M., Asch, S., Benjamin, L., Bruckner, A. L., Cossio, M. L., Diaz, L., Lilly, E., Mathes, E. F., Nelson, C. A., Pope, E., Ramachandran, S., Siegel, et al
2025

- **A Pilot Trial of a Novel Skin Substitute on Chronic and Recurrent Epidermolysis Bullosa Wounds** *JEADV CLINICAL PRACTICE*
Ikeda, Y., Pathmarajah, P., Gaona, R., Deng, J., Alvarez, E., Mittal, V., Torkelson, J. L., Zhen, H. H., Bailey, I., Siegel, D. H., Oro, A. E., Tang, J. Y.
2025
- **A Retrospective Study of Infant and Maternal Risk Factors in LUMBAR Syndrome.** *Molecular genetics & genomic medicine*
Metry, D. W., Siegel, D. H., Keppler-Noreuil, K. M.
2025; 13 (4): e70093
- **Advances in Pediatric Dermatology Research from the 2024 PeDRA Annual Conference.** *The Journal of investigative dermatology*
Chang, H. R., Castelo-Soccio, L., Cotton, C. H., Eichenfield, D. Z., Garcia Romero, M. T., Hawryluk, E. B., Marathe, K. S., Price, H. N., Siegel, D. H., Siegel, M., Yu, J., Fernández Faith, E.
2025
- **Association Between Supplemental Nutrition Assistance Program (SNAP) and Cost-Related Medical Care Delays in Pediatric Atopic Dermatitis: A Cross-Sectional Analysis of the National Health Interview Survey, 1999-2018.** *Journal of the American Academy of Dermatology*
Youn, C. G., Pour Mohammad, A., Marqueling, A. L., Siegel, D. H., Ko, J. M., Bae, G. H.
2025
- **Primary Care Providers' Perspectives on Pediatric Dermatology Care in a Rural, Underserved Region of California.** *Pediatric dermatology*
Rezaei, S. J., Valencia, A., Hundal, H., Mesia, R. J., Barrios, L., Siegel, D. H.
2025
- **Congenital Cutaneous Hamartomas With Skeletal Muscle Differentiation Associated With LUMBAR Syndrome.** *Pediatric dermatology*
Metry, D. W., Siegel, D. H., Drolet, B. A., Dias, M. S.
2025
- **Capillary Malformation-Arteriovenous Malformation Syndrome: Proposed Consensus Guidelines**
Richmond, A., Hansen, S., Dykman, M., Adams, D. M., Antaya, R. J., Bennett, J., Frieden, I. J., Hammill, A. M., Liang, M. G., Maheshwari, M., Mancini, A. J., Nelson, Z., Orbach, et al
ELSEVIER SCIENCE INC.2025: e12
- **Demonstrating the Reliability of the Ichthyosis Scoring System in Skin of Color**
Luo, A., Nelson, C., Ramachandran, S., Arkin, L., Mathes, E., Cossio, M., Asch, S., Pope, E., Lilly, E., Diaz, L., Teng, J., Benjamin, L., Siegel, et al
ELSEVIER SCIENCE INC.2025: e14
- **The Role of Prenatal Exposures in LUMBAR Syndrome**
Martin, B., Siegel, D.
ELSEVIER SCIENCE INC.2025: e12
- **Barriers to Health Care Affordability Among Parents of Children with Atopic Dermatitis.** *Dermatitis : contact, atopic, occupational, drug*
Youn, C. G., Bae, G. H., Honari, G., Chen, J. K., Sarin, K. Y., Siegel, D. H.
2025
- **Navigating Skin Concerns with AI: A Human-Centered Investigation of a Dermatology App in a Diverse Community**
Sayres, R., Devon-Sand, A., Schaeckermann, M., Smith, M., Strachan, P., Hong, G., Trinh Nguyen, Wong, D., Hammel, N., Siegel, D., Ren, K., Belletieri, C., Muralidharan, V., et al
ASSOC COMPUTING MACHINERY.2025
- **Highlights from the Field of Pediatric Dermatology Research from the 2023 PeDRA Annual Conference.** *The Journal of investigative dermatology*
Chang, H. R., Dykman, M., Castelo-Soccio, L., Cotton, C. H., Coughlin, C. C., Hawryluk, E. B., Lawley, L., Wine Lee, L., Marathe, K., Siegel, D. H., Yu, J., PeDRA Focused Study Group Leads, Siegel, M., et al
2024
- **Creating an Empirical Dermatology Dataset Through Crowdsourcing With Web Search Advertisements.** *JAMA network open*
Ward, A., Li, J., Wang, J., Lakshminarasimhan, S., Carrick, A., Campana, B., Hartford, J., Sreenivasaiah, P. K., Tiyasirisokchai, T., Virmani, S., Wong, R., Matias, Y., Corrado, et al
2024; 7 (11): e2446615
- **PSTPIP1-associated myeloid-related proteinemia inflammatory (PAMI) syndrome: A case report and review of the literature.** *Pediatric dermatology*

- Tran, M. M., Sprau, P. B., Moyer, A. R., Rieger, K. E., Lewis, M. A., Hsu, J. J., Siegel, D. H.
2024
- **Delphi Consensus on Diagnostic Criteria for LUMBAR Syndrome.** *The Journal of pediatrics*
Metry, D., Copp, H. L., Rialon, K. L., Iacobas, I., Baselga, E., Dobyns, W. B., Drolet, B., Frieden, I. J., Garzon, M., Haggstrom, A., Hanson, D., Hollenbach, L., Keppler-Noreuil, et al
2024: 114101
 - **Are repeat neuroimaging studies needed in PHACE syndrome?** *Developmental medicine and child neurology*
Siegel, D. H., Frieden, I. J.
2024
 - **Plexiform neurofibroma masquerading as a giant congenital melanocytic nevus.** *Pediatric dermatology*
Olsen, G. M., Siegel, D. H., Sokumbi, O., Chiu, Y. E.
2024
 - **Multicenter Study of Long-term Outcomes and Quality of Life in PHACE Syndrome after Age 10.** *The Journal of pediatrics*
Braun, M., Frieden, I. J., Siegel, D. H., George, E., Hess, C. P., Fox, C. K., Chamlin, S. L., Drolet, B. A., Metry, D., Pope, E., Powell, J., Holland, K., Ulschmid, et al
2024: 113907
 - **Best Practices for Research in Virtual and Augmented Reality in Dermatology.** *The Journal of investigative dermatology*
Muralidharan, V., Tran, M. M., Barrios, L., Beams, B., Ko, J. M., Siegel, D. H., Bailenson, J.
2024; 144 (1): 17-23
 - **Presenting characteristics and progression of pediatric-onset morphea: Interim analysis of a prospective registry.** *Pediatric dermatology*
Ng, A. T., Brandling-Bennett, H. A., Drolet, B. A., Siegel, D. H., Chiu, Y. E.
2023
 - **PTPN11 Mosaicism Causes a Spectrum of Pigmentary and Vascular Neurocutaneous Disorders and Predisposes to Melanoma** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Polubothu, S., Bender, N., Muthiah, S., Zecchin, D., Demetriou, C., Martin, S., Malhotra, S., Travnickova, J., Zeng, Z., Boehm, M., Barbarot, S., Cottrell, C., Davies, et al
2023; 143 (6): 1042-1051.e3
 - **Papillomas of Costello syndrome are not associated with human papillomavirus (HPV) infection in a small case series.** *Journal of the American Academy of Dermatology*
Olsen, G. M., Johnson, L., Castel, P., Stevenson, D. A., White, K., Chiu, Y. E., Krol, A., Siegel, D. H.
2023
 - **Two for two: Dual therapy with erlotinib and acitretin for twins with severe keratoderma in Olmsted syndrome.** *Pediatric dermatology*
Butala, S., Phan, S., Siegel, D. H., Carlberg, V., Paller, A. S.
2023
 - **Early-onset hypertension associated with extensive cutaneous capillary malformations harboring postzygotic variants in GNAQ and GNA11.** *Pediatric dermatology*
Davies, O. M., Ng, A. T., Tran, J., Blumenthal, S., Arkin, L. M., Nopper, A. J., Cottrell, C. E., Garzon, M., Siegel, D. H., Frieden, I. J., Drolet, B. A.
2022; 39 (6): 914-919
 - **Development of an artificial intelligence algorithm for the diagnosis of infantile hemangiomas.** *Pediatric dermatology*
Zhang, A. J., Lindberg, N., Chamlin, S. L., Haggstrom, A. N., Mancini, A. J., Siegel, D. H., Drolet, B. A.
2022
 - **Early-onset hypertension associated with extensive cutaneous capillary malformations harboring postzygotic variants in GNAQ and GNA11** *PEDIATRIC DERMATOLOGY*
Davies, O. M. T., Ng, A. T., Tran, J., Blumenthal, S., Arkin, L. M., Nopper, A. J., Cottrell, C. E., Garzon, M., Siegel, D. H., Frieden, I. J., Drolet, B. A.
2022
 - **A new tale of thalidomide repurposing.** *Nature cardiovascular research*
Teng, J. M., Siegel, D. H.
2022; 1 (6): 535-536

- **Reply to: "Photodistributed toxic epidermal necrolysis in association with lamotrigine and tanning bed exposure".** *JAAD case reports*
Tjahjono, L., Young, K., Wanat, K., Siegel, D.
2022; 23: 164-165
- **Executive Summary: Consensus Recommendations for the Use of Retinoids in Ichthyosis and Other Disorders of Cornification in Children and Adolescents.** *Journal of the American Academy of Dermatology*
Zaenglein, A. L., Levy, M. L., Stefanko, N. S., Benjamin, L. T., Bruckner, A. L., Choate, K., Craiglow, B. G., DiGiovanna, J. J., Eichenfield, L. F., Elias, P., Fleckman, P., Lawley, L. P., Lewis, et al
2021
- **Consensus recommendations for the use of retinoids in ichthyosis and other disorders of cornification in children and adolescents.** *Pediatric dermatology*
Zaenglein, A. L., Levy, M. L., Stefanko, N. S., Benjamin, L. T., Bruckner, A. L., Choate, K., Craiglow, B. G., DiGiovanna, J. J., Eichenfield, L. F., Elias, P., Fleckman, P., Lawley, L. P., Lewis, et al
2020
- **Costello syndrome: Clinical phenotype, genotype, and management guidelines.** *American journal of medical genetics. Part A*
Gripp, K. W., Morse, L. A., Axelrad, M., Chatfield, K. C., Chidekel, A., Dobyns, W., Doyle, D., Kerr, B., Lin, A. E., Schwartz, D. D., Sibbles, B. J., Siegel, D., Shankar, et al
2019
- **The Fourth International Symposium on Genetic Disorders of the Ras/MAPK pathway** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Stevenson, D. A., Schill, L., Schoyer, L., Andresen, B. S., Bakker, A., Bayrak-Toydemir, P., Burkitt-Wright, E., Chatfield, K., Eleftheriou, F., Elgersma, Y., Fisher, M. J., Franz, D., Gelb, et al
2016; 170 (8): 1959-1966
- **Proceedings of the Inaugural Pediatric Dermatology Research Alliance (PeDRA) Conference** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Siegel, D. H., Choate, K. A., Drolet, B. A., Frieden, I. J., Rittenberg, S., Teng, J. M., Tom, W. L., Williams, M. L., Eichenfield, L. F., Paller, A. S.
2014; 134 (11): 2671-2674
- **Megalencephaly-capillary malformation (MCAP) and megalencephaly-polydactyly-polymicrogyria-hydrocephalus (MPPH) syndromes: Two closely related disorders of brain overgrowth and abnormal brain and body morphogenesis** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Mirzaa, G. M., Conway, R. L., Gripp, K. W., Lerman-Sagie, T., Siegel, D. H., deVries, L. S., Lev, D., Kramer, N., Hopkins, E., Graham, J. M., Dobyns, W. B.
2012; 158A (2): 269-291