

# Factors linked to development of pediatric psoriasis identified

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(HealthDay)—Atopic dermatitis, a family history of psoriasis, and skin

viral and bacterial infection and fungal infections in early life are associated with pediatric psoriasis development, according to a study published in the September issue of the *Journal of the American Academy of Dermatology*.

Yi-Ju Chen, M.D., Ph.D., from the Taichung Veterans General Hospital in Taiwan, and colleagues conducted a nationwide nested case-control study during 2000 to 2017. A total of 1,527 patients with pediatric psoriasis were identified from the National Health Insurance Research Database of Taiwan and matched with 15,270 reference individuals without psoriasis.

The researchers found that on multivariate analysis, factors independently associated with pediatric psoriasis were [atopic dermatitis](#) (adjusted odds ratio [aOR], 2.07) and family history of psoriasis, especially of the mother (aOR, 9.86) or another first-degree relative (aOR, 5.49). Significant associations with pediatric psoriasis were seen for skin viral and bacterial infections (aOR, 1.35) and fungal infections (aOR, 1.71) in the first two years of life. No correlation was seen for systemic antibiotic exposure. At different time periods across sensitivity analyses, these results were consistent.

"Skin and [fungal infections](#) in [early life](#) are associated with pediatric psoriasis development," the authors write. "The role of early-life microbiota dysbiosis in the pathogenesis of pediatric psoriasis might be worth further investigation."

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

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