

Prenatal tobacco exposure may raise risk for pediatric psoriasis

February 7 2020



(HealthDay)—Prenatal tobacco exposure is associated with an increased

risk for pediatric psoriasis, according to a study published online Jan. 20 in the *Journal of the American Academy of Dermatology*.

Jonathan Groot, M.Sc.P.H., from Herlev and Gentofte Hospital in Copenhagen, Denmark, and colleagues collected data at approximately gestational week 12 and when children were about 6 months and 11 years of age to examine the associations of prenatal, infantile, and childhood [tobacco](#) exposure with the risk for pediatric psoriasis. Information was included for 25,812 offspring with complete data from the Danish National Birth Cohort.

Among offspring with [prenatal tobacco exposure](#), the researchers found an [increased risk](#) for pediatric psoriasis (adjusted odds ratio [aOR], 1.39; 95 percent confidence interval [CI], 1.06 to 1.82). For increasing quantities of cigarettes smoked daily, an exposure-response relationship was seen (≥ 16 cigarettes: aOR, 2.92; 95 percent CI, 1.20 to 7.10; P for trend = 0.038). After controlling for prenatal exposure, the associations with infantile (aOR, 1.17; 95 percent CI, 0.76 to 1.79) and childhood (aOR, 1.10; 95 percent CI, 0.77 to 1.58) tobacco exposure were attenuated.

"Prenatal tobacco exposure is a risk factor for pediatric psoriasis, especially in those with high levels of exposure," the authors write. "Given a biologically plausible reason for differential effects by trimester, future studies may be warranted to tease out associations with gestational exposure timing."

One of the authors disclosed financial ties to the pharmaceutical industry.

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

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Citation: Prenatal tobacco exposure may raise risk for pediatric psoriasis (2020, February 7)
retrieved 5 May 2024 from

<https://medicalxpress.com/news/2020-02-prenatal-tobacco-exposure-pediatric-psoriasis.html>

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