

# Vitamin D deficiency linked to alopecia areata severity

July 13 2017

---



(HealthDay)—For pediatric patients with alopecia areata (AA), vitamin

D is negatively correlated with disease severity, number of patches, and disease duration, according to a study published online recently in the *Journal of Cosmetic Dermatology*.

Mehmet Unal, M.D., and Gulsum Gonulalan, M.D., from the Konya Numune Hospital in Turkey, examined vitamin D status in 20 [pediatric patients](#) with AA and 34 pediatric healthy controls. The authors assessed the correlation between vitamin D status and [disease severity](#), number of patches, and disease duration.

The researchers found that the mean serum 25-hydroxyvitamin D concentration was  $15.47 \pm 7.66$  and  $11.09 \pm 10.53$  ng/mL in patients and controls, respectively; no statistically significant difference was seen between the groups ( $P = 0.084$ ). Significant, negative correlations were seen for vitamin D concentration with the Severity of Alopecia Tool score ( $P$

"Vitamin D deficiency is not the only etiologic factor in AA pathogenesis, but in the presence of other etiological factors, this deficiency can aggravate AA severity, and thus, vitamin D supplementation may be beneficial in treatment of pediatric AA," the authors write.

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

Copyright © 2017 [HealthDay](#). All rights reserved.

Citation: Vitamin D deficiency linked to alopecia areata severity (2017, July 13) retrieved 5 May 2024 from <https://medicalxpress.com/news/2017-07-vitamin-d-deficiency-linked-alopecia.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private

study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.