

# Risk for vitiligo increased for transplant recipients

December 21 2023, by Elana Gotkine

---



Transplant recipients, especially those receiving hematopoietic stem cell transplant (HSCT), have an increased risk for vitiligo, according to a brief report published online Dec. 13 in *JAMA Dermatology*.

Chul Hwan Bang, M.D., Ph.D., from the Catholic University of Korea in Seoul, and colleagues conducted a population-based cohort study including [data](#) from the National Health Insurance Service database of Korea for patients aged 20 years or older who had received a transplant (solid organ transplant [SOT] or HSCT) between January 2010 and December 2017. Patients were compared to age- and sex-matched (1:5) controls who did not receive a transplant. Data were included for 23,829 patients who underwent SOT or HSCT and 119,145 controls.

The researchers found that the risk for vitiligo was significantly higher for [patients](#) who had undergone transplant than controls (adjusted hazard ratio, 1.73). Kidney and liver [transplant recipients](#) also had a slightly higher risk for vitiligo compared with controls, but risk was highest in HSCT recipients (adjusted hazard ratio, 12.69). Compared with controls, those who received allogeneic grafts, those who received autologous grafts, those with comorbid graft-versus-host disease (GVHD), and those without GVHD had a higher risk for vitiligo.

"The findings suggest that early detection and management of vitiligo lesions can be improved by estimating the likelihood of its development in transplant recipients and implementing a multidisciplinary approach for monitoring," the authors write.

**More information:** Chul Hwan Bang et al, Risk of Subsequent Vitiligo in Transplant Recipients With Comorbid Graft-vs-Host Disease, *JAMA Dermatology* (2023). [DOI: 10.1001/jamadermatol.2023.4933](https://doi.org/10.1001/jamadermatol.2023.4933)

Copyright © 2023 [HealthDay](#). All rights reserved.

Citation: Risk for vitiligo increased for transplant recipients (2023, December 21) retrieved 2 May 2024 from <https://medicalxpress.com/news/2023-12-vitiligo-transplant-recipients.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.