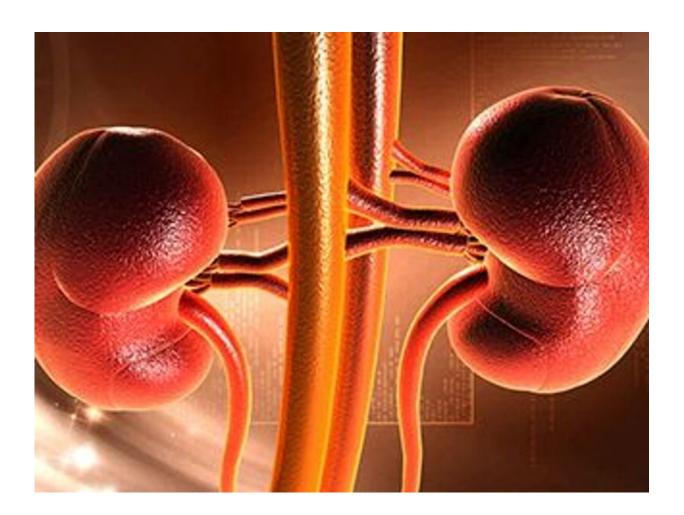


Transplant beneficial for kidney failure in sickle cell

February 26 2021



(HealthDay)—Patients with kidney failure who receive a kidney



transplant, including those with sickle cell disease, have lower mortality, according to a study published online Feb. 25 in the *Clinical Journal of the American Society of Nephrology*.

Sunjae Bae, K.M.D., M.P.H., from the Johns Hopkins School of Medicine in Baltimore, and colleagues studied all adults with kidney failure who began maintenance dialysis or were added to the kidney transplant wait list in 1998 to 2017. The absolute risk difference and hazard ratio for mortality were measured in matched pairs of transplant recipients versus wait-listed candidates in groups of patients with kidney failure associated with sickle cell disease and kidney failure due to other etiologies (controls).

The researchers found that 189 sickle cell and 220,251 control transplant recipients showed significantly lower mortality compared with their matched wait-listed candidates. At 10-year posttransplant, the absolute risk difference was 20.3 and 19.8 percent in the sickle cell and control groups, respectively. The sickle cell and control groups had similar hazard ratios (0.57 and 0.54, respectively). However, compared with controls, the sickle cell group was less likely to receive transplantation (subdistribution hazard ratio, 0.73). Among wait-listed candidates, similar disparities were observed (subdistribution hazard ratio, 0.62).

"We must do a better job of improving access to transplantation for patients with <u>sickle cell disease</u>," a coauthor said in a statement. "Our research study, which uses our national registry of all patients, demonstrates better survival with transplant for these patients. We must eliminate disparities in access to this life-saving procedure."

One author disclosed financial ties to Global Blood Therapeutics, Ironwood, Novartis, Pfizer, and Shire.

More information: Abstract/Full Text



Editorial

Copyright © 2020 HealthDay. All rights reserved.

Citation: Transplant beneficial for kidney failure in sickle cell (2021, February 26) retrieved 6 May 2024 from https://medicalxpress.com/news/2021-02-transplant-beneficial-kidney-failure-sickle.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.