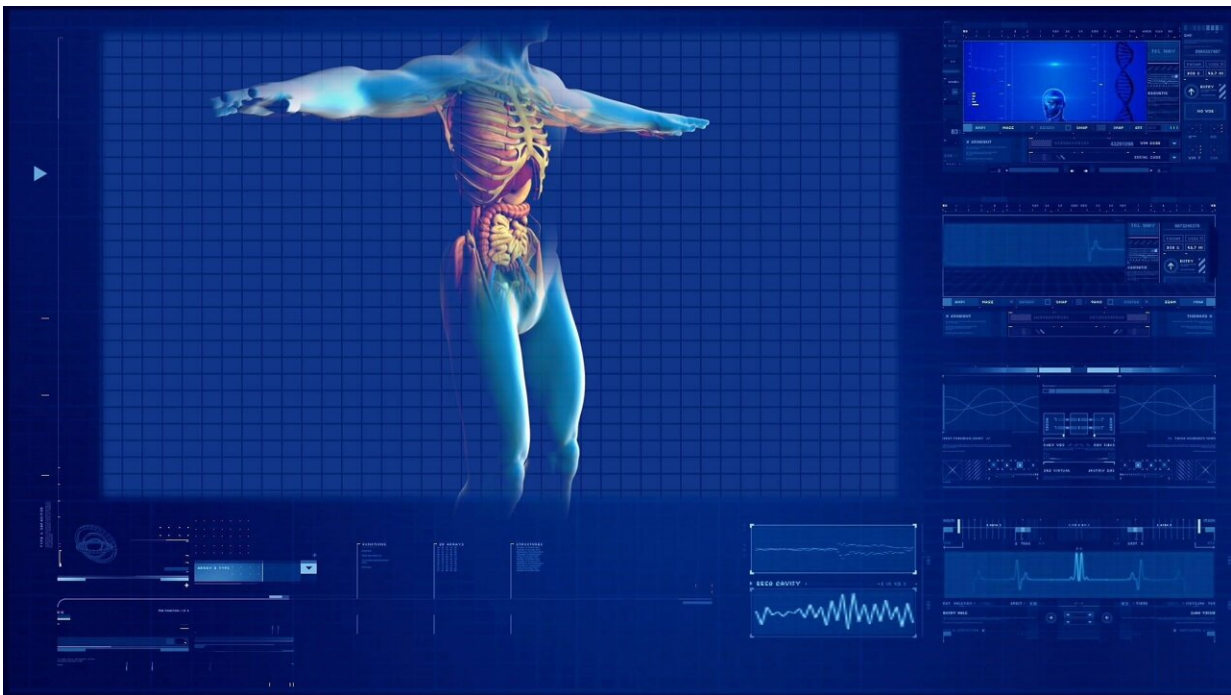


Transplant candidates' thoughts about tradeoffs of shorter wait time for lower quality kidneys

August 20 2022



Credit: Pixabay/CC0 Public Domain

Approximately 20% of deceased donor kidneys are discarded each year in the United States, but a recent study in *CJASN* indicates that many patients on the transplant waitlist would prefer accepting such lower quality kidneys in return for a shorter waiting time.

For the study, Sanjay Mehrotra, Ph.D. (Northwestern University) and his colleagues conducted a choice-based experiment that presented the option of deceased [donor kidneys](#) to 605 patients who were waiting for or had received a [kidney transplant](#). The choices involved tradeoffs between accepting a [kidney](#) today or a future kidney.

The average respondent would accept a kidney today with 6.5 years of expected survival of the transplanted organ to avoid waiting 2 additional years for a kidney with 11 years of expected survival.

Three patient-preference classes were identified. Class 1 was averse to additional waiting time but still responsive to improvements in kidney quality. Class 2 was less willing to accept increases in waiting time for improvements in kidney quality. Class 3 was willing to accept increases in waiting time even for small improvements in kidney quality.

Relative to class 1, respondents in class 3 were likely to be age 61 or younger and to be waitlisted before starting dialysis, and respondents in class 2 were more likely to be older, Black, not have a college degree and have greater functional impairment.

"With more than 90,000 patients waiting for a kidney [transplant](#), and more than 15,000 deaths or waitlist removals each year, we have a major opportunity to save lives and dialysis costs, while improving patient quality of life. Our study provides national evidence on patients' willingness to accept marginal kidneys, which will be thrown away because of policy and operational inefficiencies in the national transplant system," said Dr. Mehrotra.

An accompanying editorial notes that the greatest predictor for improved survival for individuals with [kidney failure](#) is whether or not they receive a transplant at all. "This study clearly demonstrates something that we all know—that considering waitlisted patients as a monolithic group that

views the tradeoff between waiting time and organ quality similarly is a mistake," the authors wrote.

An accompanying Patient Voice article provides the perspectives of a lifelong kidney patient and three-time kidney transplant recipient. The author notes that "the study can serve as a vehicle to discuss much needed innovation in creating a more transparent and patient choice–driven organ allocation system."

More information: Sanjay Mehrotra et al, Patient Preferences for Waiting Time and Kidney Quality, *Clinical Journal of the American Society of Nephrology* (2022). [DOI: 10.2215/CJN.01480222](https://doi.org/10.2215/CJN.01480222)

Sumit Mohan et al, Improving the Utilization of Deceased Donor Kidneys by Prioritizing Patient Preferences, *Clinical Journal of the American Society of Nephrology* (2022). [DOI: 10.2215/CJN.08500722](https://doi.org/10.2215/CJN.08500722)

Michael "Jack" Lennon, Getting a Kidney: Where Is Patient Choice?, *Clinical Journal of the American Society of Nephrology* (2022). [DOI: 10.2215/CJN.08400722](https://doi.org/10.2215/CJN.08400722)

Provided by American Society of Nephrology

Citation: Transplant candidates' thoughts about tradeoffs of shorter wait time for lower quality kidneys (2022, August 20) retrieved 8 May 2024 from <https://medicalxpress.com/news/2022-08-transplant-candidates-thoughts-tradeoffs-shorter.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.