

Third COVID-19 vaccine dose may prompt response in transplant recipients

July 28 2021



(HealthDay)—A third dose of the mRNA-1273 vaccine induces a

serologic response in 49 percent of kidney transplant recipients who did not respond after receiving two doses, according to a research letter published online July 23 in the *Journal of the American Medical Association*.

Ilies Benotmane, M.D., from Strasbourg University Hospital in France, and colleagues examined the antibody responses of kidney transplant recipients who did not respond to two COVID-19 mRNA vaccine doses and received a third dose of the Moderna mRNA-1273 vaccine. A total of 159 kidney transplant recipients with a negative history for COVID-19 and severe acute respiratory syndrome coronavirus 2 antispike immunoglobulin (Ig)G levels 50 AU/mL (median antibody titer of responders, 586 AU/mL). Compared with patients with no antibody response after the second dose, those who had a weak response were more likely to develop an antibody response after the third dose (81.3 versus 27.4 percent, respectively).

"The findings in this large group of [kidney](#) transplant recipients are in accordance with other studies of solid organ [transplant](#) recipients," the authors write.

Two authors disclosed financial ties to the [pharmaceutical industry](#).

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

Copyright © 2021 [HealthDay](#). All rights reserved.

Citation: Third COVID-19 vaccine dose may prompt response in transplant recipients (2021, July 28) retrieved 29 January 2024 from <https://medicalxpress.com/news/2021-07-covid-vaccine-dose-prompt-response.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.