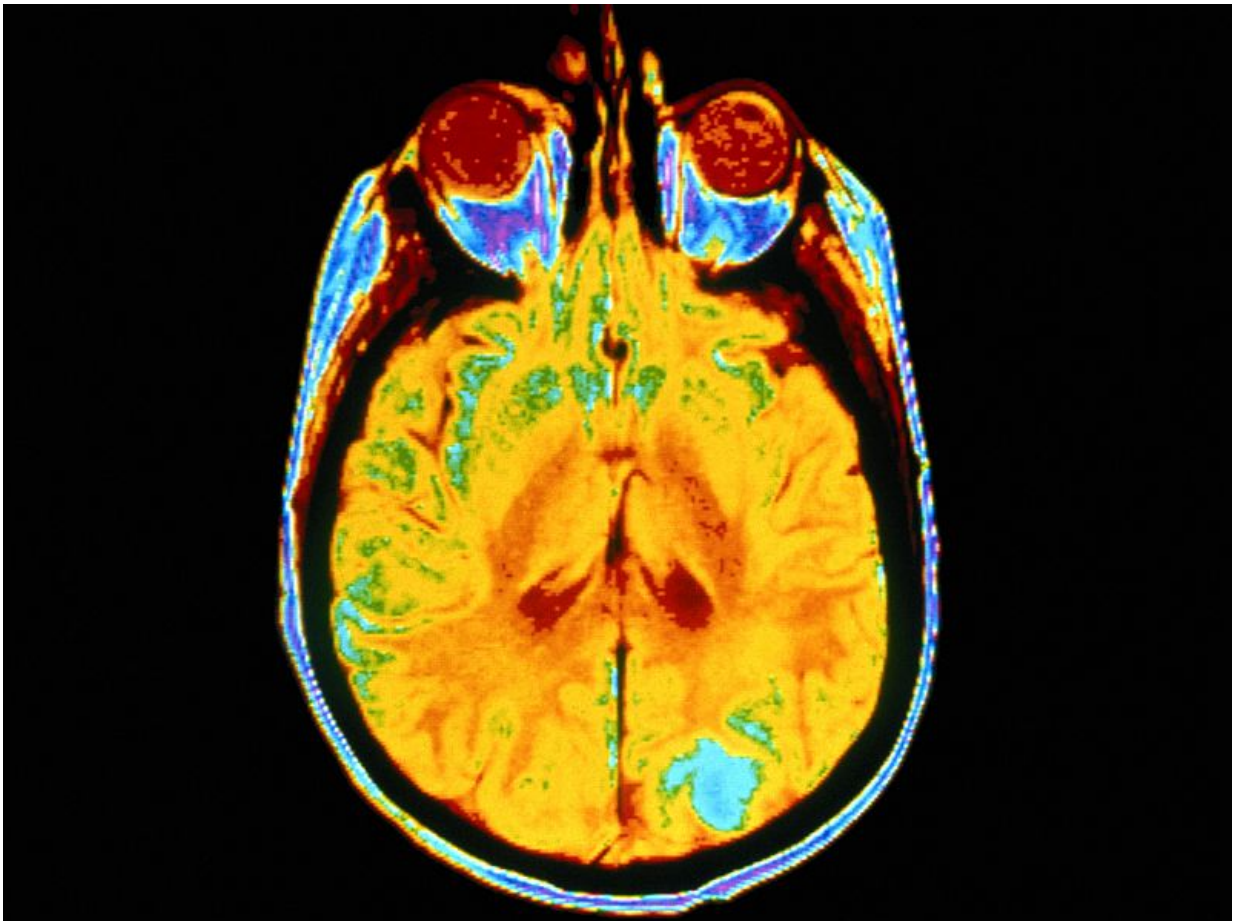


Review links albuminuria to cognitive impairment, dementia

February 13 2017



(HealthDay)—Albuminuria is associated with cognitive impairment,

dementia, and cognitive decline, according to a review published online Feb. 2 in the *Journal of the American Geriatrics Society*.

Marios K. Georgakis, M.D., from the University of Athens in Greece, and colleagues conducted a systematic review to examine the correlation between albuminuria and cognitive impairment, dementia, and cognitive function. Data were included for 32 eligible studies.

The researchers found that albuminuria correlated with [cognitive impairment](#), dementia, clinical Alzheimer's disease, and vascular dementia (odds ratios, 1.35, 1.35, 1.37, and 1.96, respectively). The significant effect persisted in longitudinal, population-based, and high-quality studies. In time-to-event analysis of prospective studies involving individuals without dementia at baseline, there was a significant association with incident dementia (risk ratio, 1.52). Subjects with albuminuria had worse global [cognitive performance](#) and accelerated [cognitive decline](#) (Hedge's *g*, -0.13 and -0.20 , respectively); they also scored lower in executive function, processing speed, verbal fluency, and verbal memory.

"The stronger effects for [vascular dementia](#) and cognitive performance in domains primarily affected by microvascular disease support that the association could be mediated by shared microvascular pathology in the kidney and the brain," the authors write.

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

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

Citation: Review links albuminuria to cognitive impairment, dementia (2017, February 13) retrieved 19 January 2023 from <https://medicalxpress.com/news/2017-02-links-albuminuria->

cognitive-impairment-dementia.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.