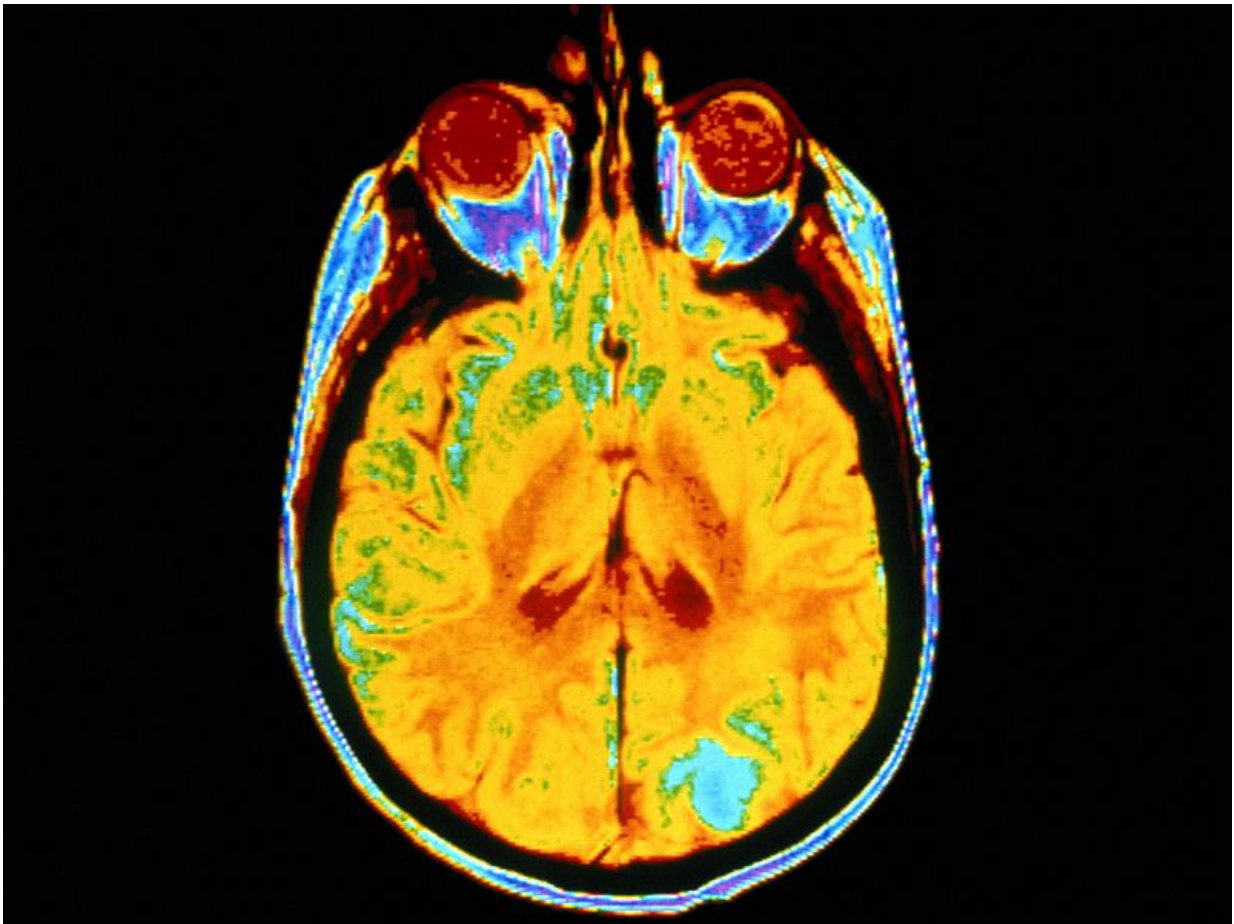


# Review links albuminuria to cognitive impairment, dementia

February 13 2017

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(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 \(subscription or payment may be required\)](#)

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