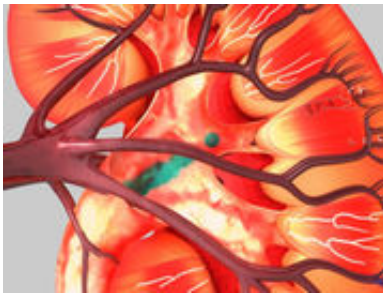


# Three renal biomarkers predict outcome in diabetes

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(HealthDay)—Three renal biomarkers, acute kidney injury (AKI), albuminuria, and low estimated glomerular filtration rate (eGFR), considered separately or together, can predict adverse outcomes in diabetes, according to a study published online Oct. 28 in *Diabetes Care*.

Mathilde Monseu, M.D., Ph.D., from the Université de Poitiers in France, and colleagues examined the prognostic value of AKI, albuminuria, and low eGFR considered together in patients with type 2 diabetes. A total of 1,371 patients were followed for a median of 69 months.

The researchers identified intrahospital AKI in 411 of the patients during follow-up. AKI correlated significantly with cardiovascular and noncardiovascular death, including cancer-related death in multivariate

analyses. Major adverse cardiovascular events, heart failure requiring hospitalization, myocardial infarction, stroke, lower-limb amputation or revascularization, and carotid artery revascularization were predicted by AKI. Even when considered simultaneously in multivariate models, AKI, eGFR, and albuminuria predicted all-cause and cardiovascular death. All three renal biomarkers predicted most adverse outcome and renal failure risk.

"AKI, low eGFR, and elevated albuminuria, separately or together, are compelling biomarkers of major [adverse outcomes](#) and death in diabetes," the authors write.

**More information:** [Abstract](#)  
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