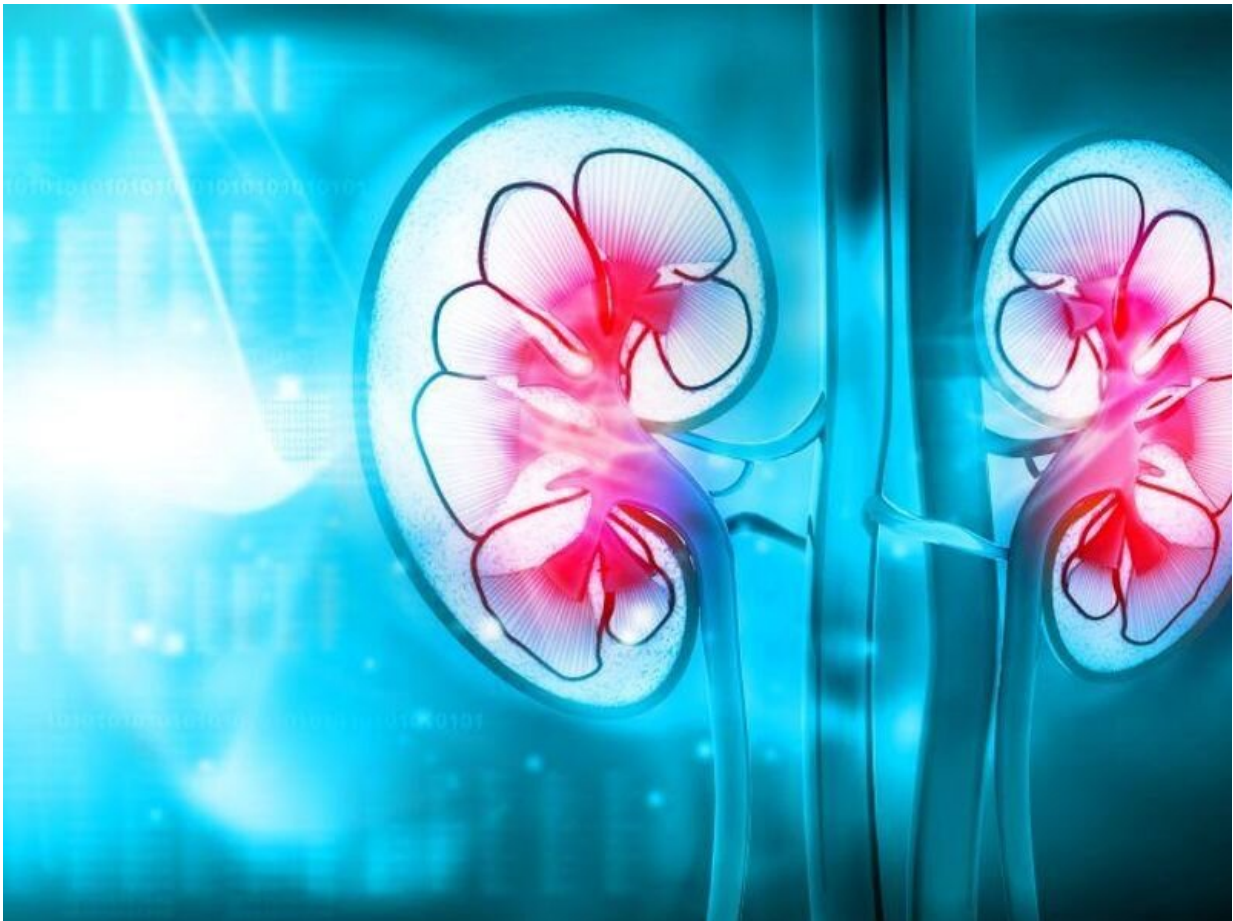


Enlarged heart tied to worse chronic kidney disease outcomes

February 22 2023, by Lori Solomon



The cardiothoracic ratio (CTR) has real-world prognostic value for

chronic kidney disease (CKD), according to a study published online Feb. 7 in *Communications Medicine*.

Che-Yi Chou, from Asia University Hospital in Taiwan, and colleagues developed a machine learning-based algorithm to calculate the baseline and serial CTRs, which were then used to classify patients into trajectory groups. The analysis included 3,117 patients with CKD (aged 18 to 89 years).

The researchers identified three CTR trajectory groups (low, 30.1 percent; medium, 48.1 percent; high, 21.8 percent). The adjusted hazard ratios for end-stage renal disease, cardiovascular mortality, and all-cause mortality in patients with baseline CTRs ≥ 0.57 were 1.35, 2.89, and 1.50, respectively, versus CTRs

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