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**Manuscript Type:** ORIGINAL ARTICLE

*Retrospective Study*

Predictive value of serum cystatin C on risk of **mortality in severe and critically ill patients with COVID-19**

Li Y *et al.* Prediction of sCys C on mortality in COVID-19

Yan Li, Shuang Yang, Peng Ding, Hong-Ming Zhu, Bang-Yi Li, Xiao-Jiao Yang, Xue-Lian Sun, Mei Zhang

**Abstract**

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In a cohort of critically ill patients, serum cystatin C demonstrated the occurrence of a creatinine-based AKI 1 to 2 days earlier than an established marker . In a recently published study of 100 patients with CPB, the predictive capacity of plasma CysC upon arrival at the ICU was excellent (AUC 0.83, 95% CI, 0.68 to 0.98) [ 23 ].

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6985114>

To investigate the association of the sarcopenia index (SI, serum creatinine value/cystatin C value × 100) with 3-year mortality and readmission among older inpatients, we reanalyzed a prospective study in the geriatric ward of a teaching hospital in western China. Older inpatients aged ≥ 60 years with normal kidney function were included.

Author: Tianjiao Tang, Yan Zhuo, Lingling Xie, ...

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## Predictive value of serum cystatin C for acute kidney ...

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Jul 01, 2016 · 1. Introduction. Illness severity scoring systems have become central tools for both risk stratification and follow-up patient outcomes in intensive care units (ICUs). In this regard, the APACHE II (Acute Physiology and Chronic Health Evaluation II) score has been used as a satisfactory marker of prognosis in adult patients in ICUs. In clinical practice, serum creatinine remains the main ...

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Author: Dyanne M. Dalcomune, Jorge Terrão, Mar...

Publish Year: 2016

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### Predictive Value of Serum Creatinine, Blood Urea Nitrogen ...

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May 05, 2018 · Nozue T, Michishita I, Mizuguchi I. Predictive value of serum cystatin C,  $\beta$ 2-microglobulin, and urinary liver-type fatty acid-binding protein on the development of contrast-induced nephropathy. Cardiovasc Interv Ther. 2010; 25:85–90. doi: 10.1007/s12928-010-0014-3. [Google Scholar]

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Author: Hai-Yang Lu, Xin-Yu Ning, Ying-Qi Chen, ...

Publish Year: 2018

### Sarcopenia index based on serum creatinine and cystatin C ...

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Jan 27, 2020 · To investigate the association of the sarcopenia index (SI, serum creatinine value/cystatin C value  $\times$  100) with 3-year mortality and readmission among ...

Author: Tianjiao Tang, Yan Zhuo, Lingling Xie, ... Publish Year: 2020

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Jun 27, 2018 · Elevated serum levels of bone sialoprotein during ICU treatment predict long-term





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## [Early postoperative serum cystatin C predicts severe acute ...](#)

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