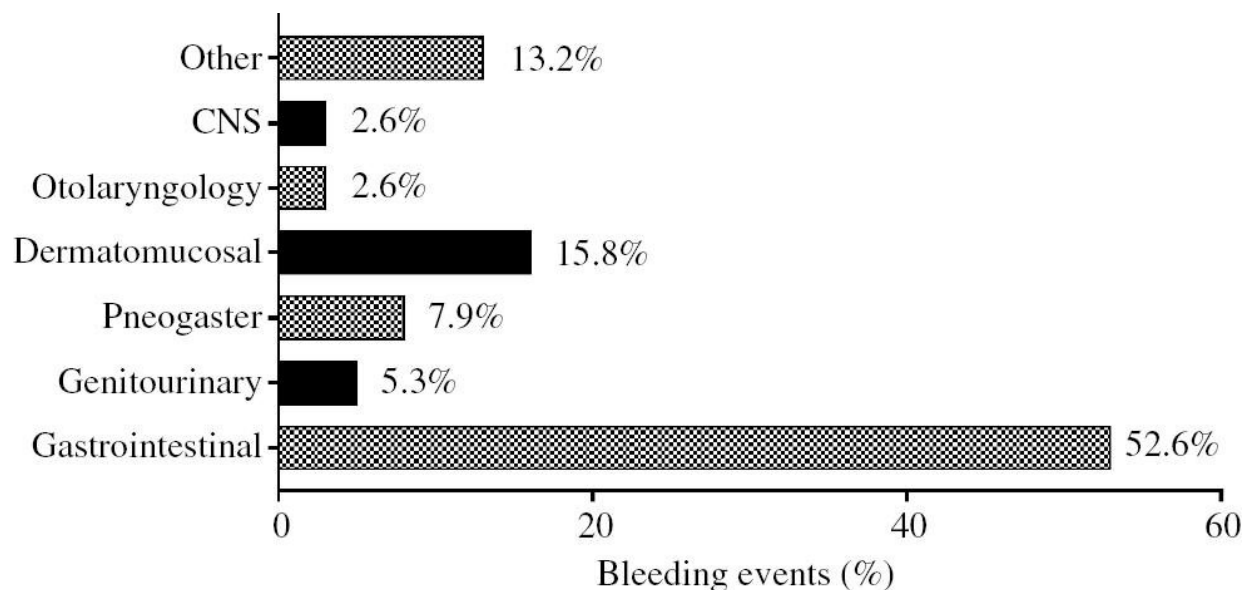


Examining risk factors for bleeding events in patients with acute coronary syndrome

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Sites of In-Hospital Bleeding According to BARC Classification. Credit: *Cardiovascular Innovations and Applications* (2023). DOI: 10.15212/CVIA.2023.0029

Bleeding events in patients with acute coronary syndrome (ACS) are associated with poor outcomes. Risk factors and their associations with in-hospital events in older patients with ACS are not fully understood because older patients with ACS are often excluded from randomized controlled studies.

The authors of this study, published in the journal *Cardiovascular Innovations and Applications*, enrolled 962 patients with ACS above 75 years of age treated at a center between January 2012 and December 2016. The incidence and [risk factors](#) for in-hospital bleeding events, as well as their associations with in-hospital adverse events were evaluated.

Bleeding complications were observed in 38 patients (4.1%). The most common bleeding site was the gastrointestinal tract (52.6%). Anemia ($P=0.007$), [renal insufficiency](#) ($P=0.019$), use of positive inotropic medicines ($P=0.006$) and elevated leukocyte count ($P=0.046$) were independent predictors of in-hospital bleeding after adjustment for age, sex, atrial fibrillation history and hypertension history. In-hospital mortality (28.9% vs. 2.4%, P

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