

MY 5 TOP TAKES

Effectiveness of a Bundled Intervention Including Adjunctive Corticosteroids on Outcomes of Hospitalized Patients with Community-Acquired Pneumonia (A Stepped-Wedge Randomized Clinical Trial)

STUDY DESIGN

Stepped-Wedge randomized controlled trial

Usual Care
n = 415

CAP Service
n = 401

Bundled intervention in CAP Service included:

- 1) Early Mobilization
- 2) Early Switch to oral antibiotics
- 3) Screening for malnutrition
- 4) Add corticosteroids (as adjunctive therapy)

1° OUTCOME



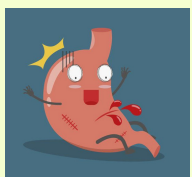
a) **No significant difference** for hospital length of stay in term of days (**does not favor** usual care nor CAP service) (95% CI: 0.78 to 1.16)

2° OUTCOME

a) **No significant difference** for mortality (inpatient, 30 days and 90 days) and hospital readmission (within 30 days and 90 days) (**does not favor** usual care nor CAP service)

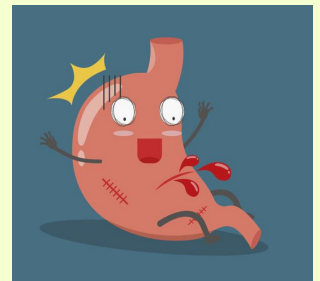


PIP-TAZO

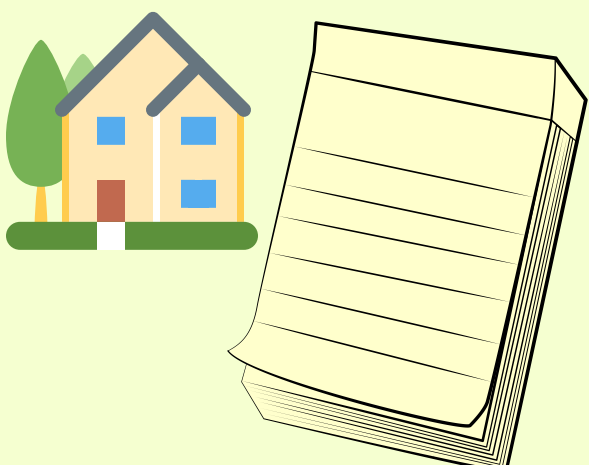


0.7%

b) **Significant difference** for gastrointestinal bleeding events (CAP service has **higher events** than usual care)



2.2 %



This trial found that bundle of evidence-supported treatments (including adjunctive corticosteroids) **FAILED** to improve outcomes of patients with CAP & resulted in higher incidence of GI bleeding.

[Click here to read the paper](#)