Reviewer's report

Title: Pharmacotherapy and the risk for community-acquired pneumonia: A case-control study of hospitalized older adults

Version: 1 Date: 29 December 2009

Reviewer: Cinzia Maraldi

Reviewer's report:

1. Is the question posed by the authors well defined? yes
2. Are the methods appropriate and well described? no
3. Are the data sound? yes
4. Does the manuscript adhere to the relevant standards for reporting and data deposition? no
5. Are the discussion and conclusions well balanced and adequately supported by the data? yes
6. Are limitations of the work clearly stated? yes
7. Do the authors clearly acknowledge any work upon which they are building, both published and unpublished? no
8. Do the title and abstract accurately convey what has been found? no
9. Is the writing acceptable? no

The paper by Gau and Colleagues investigate the association between pharmacotherapy with PPI, inhaled corticosteroids, and atypical antipsychotics and likelihood of CAP in hospitalised older adults. The main finding of the study is the confirm that the use of inhaled corticosteroids and atypical antipsychotics was associated with CAP. From this point of view results from this study are limited and add no innovative information to the current evidence, and the study is flawed by some methodological issues.