Reviewer’s report

Title: Impact of diuretic therapy-associated electrolyte disorders present on admission to the emergency department: a cross-sectional analysis

Version: 3 Date: 13 October 2012

Reviewer: Nicola Di Daniele

Reviewer’s report:

In this paper Linder and Coworkers aimed to investigate the associations between diuretic therapy, the prevalence of electrolyte disorders and the impact of electrolyte disorders on admission in Emergency and on patient outcome. The question posed by the Authors is well defined. The methods are appropriate and well described, and details provided are sufficient to replicate the work. Data are well controlled. The manuscript adheres to the relevant standards for reporting and data deposition. Discussion and conclusions are well balanced and supported by data. Title and abstract accurately convey what has been found.

Minor Essential Revisions
1. Abstract, line 4: “…on admission and patient outcome”.

Major Compulsory Revision
Glomerular filtration rate obtained by the MDRD or the CKD-EPI equation should replace crude serum creatinine in the multivariate analysis.

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests