Reviewer's report

Title: Ciprofloxacin and Risk of Hypoglycemia in non-diabetic patients

Version: 0 Date: 30 Nov 2018

Reviewer: Q X Ng

Reviewer's report:

This is an interesting and generally well-written paper. I only have the following comments to improve its content and readability.

Specific comments

- Two case reports appear to have been missed in the introduction. In these case reports (of diabetic patients), it was shown that 50 μg octreotide administered intravenously 36 hours after presentation was successful in suppressing the hyperinsulinemia. This is consistent with the authors' observation of unsuppressed serum insulin levels and extremely elevated C peptide levels, suggesting hyperinsulinemic hypoglycemia (see: Kelesidis T, Canseco E. Quinolone-induced hypoglycemia: a life-threatening but potentially reversible side effect. The American journal of medicine. 2010 Feb 1;123(2):e5-6; and Kelesidis T, Canseco E. Levofloxacin-induced hypoglycemia: a rare but life-threatening side effect of a widely used antibiotic. The American journal of medicine. 2009 Mar 1;122(3):e3-4).

- Suggest authors rephrase the statement, "Clinicians are therefore advised to prescribe Ciprofloxacin whenever there are no alternatives." Clinicians should perhaps avoid the prescription of fluoroquinolones to patients who have other treatment options for acute bacterial sinusitis, acute bacterial exacerbation of chronic bronchitis, and uncomplicated urinary tract infections because the risks outweigh the benefits in these patients.
There have also been reports of neuropsychiatric side effects associated with fluoroquinolones, including disturbances in attention, memory impairment, and delirium (see: Sellick J, Mergenhagen K, Morris L, Feuz L, Horey A, Risbood V, Wojciechowski A, Ruh C, Bednarczyk E, Conway E, Ott M. Fluoroquinolone-Related Neuropsychiatric Events in Hospitalized Veterans. Psychosomatics. 2018 May 1;59(3):259-66). Although not within the scope of this study, this should be briefly mentioned as well.

Level of interest
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An article of importance in its field

Quality of written English
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Needs some language corrections before being published

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