Reviewer’s report

Title: Cefaclor as a first-line treatment for acute uncomplicated cystitis

Version: 0 Date: 13 Feb 2020

Reviewer: Hari Kishan

Reviewer's report:

1. Authors make a recommendation for Cefaclor based on assumption that it is a narrow spectrum antibiotic! Cefaclor is a second generation Cephalosporin. It has a broad spectrum of activity against both gram positive and gram-negative bacteria similar to many other cephalosporins. Can the authors provide some references to say that is a narrow spectrum antibiotic? Any intervention that can curb emergence of resistance needs to be given importance but it is not possible to believe that cefaclor usage for AUC will help this aspect compared to other cephalosporins based on this study or available literature.

2. Cefaclor was found to be clinically effective in 94% cases including patients with in vitro resistance to cefazolin and levofloxacin in this study. However, uncomplicated cystitis sometimes resolves without antibiotics and may respond to levofloxacin and cephalosporins even in cases with in vitro resistance.

3. There was no information of in vitro susceptibility to Cefaclor in this study

4. While a few Urological societies do recommend 5 to 7 day duration of Cefaclor for treatment of AUC, we are now are looking to shorten duration of antibiotics even for uncomplicated pyelonephritis as part of antimicrobial stewardship program. Single dose Fosfomycin for treatment of AUC needs a mention in the discussion

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