

Your complimentary use period has ended. Thank you for using PDF Complete.

Click Here to upgrade to

mmunodeficiency virus 1 infection on microbial origins of pelvic inflammatory disease and on efficacy of ambulatory oral therapy

Bukusi, EA; Cohen, CR; Stevens, CE; Sinei, S; Reilly, M; Grieco, V; Eschenbach, DA; Holmes, KK; Bwayo, JJ; Ndinya-Achola, JO; Kreiss, J

Abstract:

OBJECTIVE: This study was undertaken to determine the effects of human immunodeficiency virus 1 infection on the clinical presentation, severity, causal organisms, and response to ambulatory therapy of pelvic inflammatory disease. STUDY DESIGN: Women 18 to 40 years old with lower abdominal pain for <1 month were recruited. Participants underwent a standardized questionnaire, physical examination, screening for human immunodeficiency virus 1 and other sexually transmitted infections, and endometrial biopsy to detect plasma cell endometritis. Reevaluations were performed at 1 and 4 weeks to assess response to therapy. RESULTS: Among 162 women with adequate endometrial biopsy specimens 63 (39%) had histologically confirmed endometritis. Endometritis was more frequent among women who were seropositive for human immunodeficiency virus 1 than among women who were seronegative (odds ratio, 3.0; 95% confidence interval, 1.5-5.9). Infections with either Neisseria gonorrhoeae or Chlamydia trachomatis, or both, were least common and bacterial vaginosis was most common among human immunodeficiency virus 1-infected women with CD4 T-lymphocyte counts <400 cells/microL (P <. 04, P <.03, respectively). After oral antibiotic therapy, similar proportions of both women who were seropositive and women who were seronegative for human immuno-deficiency virus 1 had a >/=75% reduction in clinical severity score (81% vs 86%). CONCLUSION: Outpatient treatment of pelvic inflammatory disease was successful regardless of human immunodeficiency virus 1 serostatus.