

Fluoroquinolone-Resistant Sequence Type '\"\ Subgroups O\"ob and O\"\
AmongExtraintestinal Escherichia coli Isolates from CommunityAcquired Urinary Tract Infections

Abstract

and ST \ \ \ among fluoroquinolone-resistant E. coli isolates causing community-acquired urinary tract infections in the Fayoum University Hospital, in Egypt. Materials and Methods: Ninety-two fluoroguinolone-resistant E. coli isolates were subjected to multiplex PCR for detection of ST \ \ of either O \ o b or O 17 subgroups. Positive isolates were then assessed for antimicrobial susceptibility and virulence genotyping. Results: Out of 9 7 fluoroquinolone-resistant E.coliisolates, or (7..9%) isolates were Orob/O17 subgroups of ST1", including ££ (VA.7%) ST\T\-O\0 and \\ (\\\.\.\.\.\.\) ST\T\-O\\\ subgroups. All the O\0\/\.\\\\.\\\ significantly more resistant to extended spectrum cephalosporins compared to SYTY-O'T strains. All the O'Tob/O'T ST'T' isolates harbored three or more of the virulence factors associated with extra-intestinal pathogenic *E.coli*(ExPEC) status. isolates. Conclusion: Our results bring to highlights the emergence of OYob/OY7 STYTY isolates between community acquired urinary tract infections among Egyptian patients. This is the first report for the presence of O¹ isolates in Egypt, showing a lower predominance than the OYob subgroup