**Table 1.** The rates of resistance for widely used antibiotic for UTI caused by the most common uropathogenes

|  |
| --- |
| **Rates of resistance (%)**    **Reference** **Pathogen** *CIP LEV TMP/SMX FM CRO AMC NFT CFX*    Meena M et al. [13] Escherichia coli 72.5 - 78.75 - - - - -  Klebsiella pneumonia 23.75 - 23.75 - - - - -  Stapleton et al. [17] Escherichia coli 11.44-25.5 - - - - 32.6-48 - -  Wong et al. [18] Escherichia coli 23.4 - 31.8 0.9 - - - -  Rossignol et al. [19] Escherichia coli - - - - 97.1 - - -  Yang et al.[20] Escherichia coli 16.4-25.3 18.1-25.7 24.1-30.2 2.8-7.5 - - - -  Pseudomonas aeruginosa 59.4-63.3 56.3-61.2 71.4-78.1 3.1-4.1 - - - -  Klebsiella pneumonia 14.3-26.1 14.3-26.1 31.9-40.9 7.7-11.4 - - - -  Proteus mirabilis 13.8-19.5 12.1-14.6 22.4-46.3 0-7.3 - - - -  Rizwan et al.[21] Escherichia coli 62.16 51.35 75 - - 33.33 10.41 -  Klebsiella pneumonia 30 25 67 - - 25 63.63 -  Zilberberg et al.[22] Escherichia coli 43.5 43.5 36.9 0 15.1 - 6.7 5.1  Klebsiella pneumonia 15.3 15.3 20.4 0.1 13.2 - 60.8 13.2  Proteus mirabilis 55.6 55.6 40.7 0.1 7.9 - 73.7 7.9  Pseudomonas aeruginosa 34.4 34.4 4.2 0 12 - 8.8 12  Bahramian et al.[23] Escherichia coli 75 33.4 79.2 6.6 71.6 - 10.8 -  Romero Palacios et al [24] Escherichia coli 24.2 - 18.6 - 7.8 - 5.5 -  Klebsiella pneumonia 6.4 - 8.2 - 6.4 - 63.6 -  Proteus mirabilis 10 - 14 - 6 - 96 -  Bitew et al. [25] Escherichia coli 50.4 55.6 70.4 - 34.8 45.2 20 -  Klebsiella pneumonia 16.7 11.1 66.7 - 44.4 22.2 61.1 -  Pseudomonas aeruginosa 33.3 0 100 - 100 100 100 -  Al Wutayd et al. [26] Escherichia coli 56.1 - 49 - - 72 14.6 -  Klebsiella pneumonia 34.3 - 47.1 - - 77.1 82.9 -  Proteus mirabilis 58.8 - 58.8 - - 64.7 94.1 -  Pseudomonas aeruginosa 66.7 - 100 - - 95.8 95.8 -  Jalil et al. [27] Escherichia coli 35.4 82.9 53.7 - 89 - - -  Klebsiella pneumonia - 78.9 71.1 - - - - - |

AMC amoxicillin/clavulanic acid; CRO ceftriaxone; CIP ciprofloxacin; LEV levofloxacin;NFT nitrofurantoin;TMP/SXT trimethoprim/sulfamethoxazole; FM fosfomycin; CFX cefixime.