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Title: Distribution of Extended-Spectrum β -Lactam, Quinolone, and Carbapenem Resistance Genes, and Genetic Diversity among Uropathogenic *Escherichia coli* isolates in Tehran, Iran

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Distribution of Extended-Spectrum β -Lactam, Quinolone, and Carbapenem Resistance Genes, and Genetic Diversity among Uropathogenic *Escherichia coli* isolates in Tehran, Iran

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Highlights

- There was a high resistance in UPEC especially multi-drug resistance to antibiotics.
- Majority of UPEC isolates harbored ESBL genes especially *bla-TEM* and *bla-CTX-M*
- All of the UPEC isolates were carbapenemase negative with the MHT and PCR.
- There were some associations between the virulence factors and antibiotic resistance.
- There was a great clonal diversity among the UPEC isolates in PFGE.

ABSTRACT

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