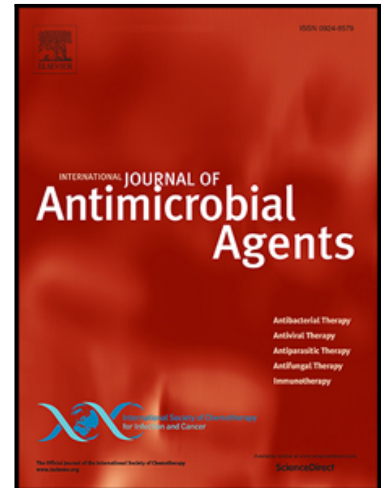


## Accepted Manuscript

Clonal emergence of *Klebsiella pneumoniae* ST14 co-producing OXA-48-type and NDM carbapenemases with high rate of colistin resistance in Dubai, United Arab Emirates

Carole Ayoub Moubareck , Shaimaa F. Mouftah , Tibor Pál , Akela Ghazawi , Dalal H. Halat , Anju Nabi , Mouza A AlSharhan , Zulfa O. AlDeesi , Christabel C. Peters , Handan Celiloglu , Manjunath Sannegowda , Dolla K. Sarkis , Ágnes Sonnevend



PII: S0924-8579(18)30074-8  
DOI: [10.1016/j.ijantimicag.2018.03.003](https://doi.org/10.1016/j.ijantimicag.2018.03.003)  
Reference: ANTAGE 5394

To appear in: *International Journal of Antimicrobial Agents*

Received date: 15 November 2017  
Revised date: 28 February 2018  
Accepted date: 2 March 2018

Please cite this article as: Carole Ayoub Moubareck , Shaimaa F. Mouftah , Tibor Pál , Akela Ghazawi , Dalal H. Halat , Anju Nabi , Mouza A AlSharhan , Zulfa O. AlDeesi , Christabel C. Peters , Handan Celiloglu , Manjunath Sannegowda , Dolla K. Sarkis , Ágnes Sonnevend , Clonal emergence of *Klebsiella pneumoniae* ST14 co-producing OXA-48-type and NDM carbapenemases with high rate of colistin resistance in Dubai, United Arab Emirates, *International Journal of Antimicrobial Agents* (2018), doi: [10.1016/j.ijantimicag.2018.03.003](https://doi.org/10.1016/j.ijantimicag.2018.03.003)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- Carbapenem resistant *Enterobacteriaceae* isolated in Dubai were partly clonal
- 50% of carbapenem resistant *Klebsiella pneumoniae* belonged to ST14
- *K. pneumoniae* ST14 was associated with co-production of OXA-48-type and NDM enzymes
- 31.4% of carbapenem resistant *K. pneumoniae* were resistant to colistin, too
- None of the isolates carried plasmid-borne colistin resistance genes

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8738481>

Download Persian Version:

<https://daneshyari.com/article/8738481>

[Daneshyari.com](https://daneshyari.com)