

Accepted Manuscript

Title: Novel Variant NDM-11 and Other NDM-1 variants in Multidrug Resistant *Escherichia coli* from South India

Authors: Mohibur Rahman, Chiranjay Mukhopadhyay, Ravi Prakash Rai, Sanjay Singh, Shefali Gupta, Avinash Singh, Ashutosh Pathak, Kashi Nath Prasad



PII: S2213-7165(18)30068-7
DOI: <https://doi.org/10.1016/j.jgar.2018.04.001>
Reference: JGAR 634

To appear in:

Received date: 6-2-2018
Revised date: 2-4-2018
Accepted date: 4-4-2018

Please cite this article as: Mohibur Rahman, Chiranjay Mukhopadhyay, Ravi Prakash Rai, Sanjay Singh, Shefali Gupta, Avinash Singh, Ashutosh Pathak, Kashi Nath Prasad, Novel Variant NDM-11 and Other NDM-1 variants in Multidrug Resistant *Escherichia coli* from South India (2018), <https://doi.org/10.1016/j.jgar.2018.04.001>

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.

Novel Variant NDM-11 and Other NDM-1 variants in Multidrug Resistant *Escherichia coli* from South India.

Running Title: *bla*_{NDM} and its variants in *E. coli*

Mohibur Rahman¹, Chiranjay Mukhopadhyay², Ravi Prakash Rai¹, Sanjay Singh¹, Shefali Gupta¹, Avinash Singh¹, Ashutosh Pathak¹, Kashi Nath Prasad¹ *.

¹Department of Microbiology, Sanjay Gandhi Postgraduate Institute of Medical Sciences Lucknow India, ²Department of Microbiology, Kasturba Medical College, Manipal, Karnataka, India

Corresponding Author:

Dr. Kashi Nath Prasad

Professor, Department of Microbiology

Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow-226014, India

Telephone: 91-522-2668631

Fax: 91-522-2668017

Email: knprasad@sgpgi.ac.in

Highlights

- New Delhi metallo- β -lactamase (NDM-1) and its variants mediated carbapenem resistance has raised a major public health concern worldwide. In the present study, we report *Escherichia coli* positive novel variant of NDM-1 i.e. NDM-11 for the first time detected from post snake bite wound infection sample. We also find other NDM

Download English Version:

<https://daneshyari.com/en/article/8746119>

Download Persian Version:

<https://daneshyari.com/article/8746119>

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