## 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

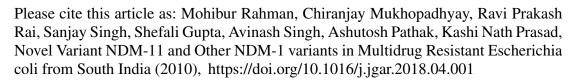
PII: S2213-7165(18)30068-7

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



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*<sub>NDM</sub> and its variants in *E. coli* 

Mohibur Rahman<sup>1</sup>, Chiranjay Mukhopadhyay<sup>2</sup>, Ravi Prakash Rai<sup>1</sup>, Sanjay Singh<sup>1</sup>, Shefali

Gupta<sup>1</sup>, Avinash Singh<sup>1</sup>, Ashutosh Pathak<sup>1</sup>, Kashi Nath Prasad<sup>1</sup> \*.

<sup>1</sup>Department of Microbiology, Sanjay Gandhi Postgraduate Institute of Medical Sciences

Lucknow India, <sup>2</sup>Department 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 bike 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