Accepted Manuscript

Molecular epidemiology of hepatitis delta and hepatitis B viruses circulating in two major provinces (East and North-West) of Pakistan

Mahwish Aftab, Iram Amin, Muhammad Idrees, Amjad Ali, Shazia Rafique, Shagufta Naz

PII: S1567-1348(18)30380-0

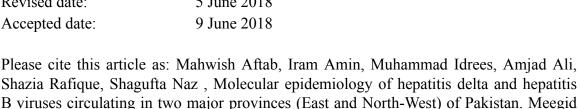
DOI: doi:10.1016/j.meegid.2018.06.013

Reference: **MEEGID 3552**

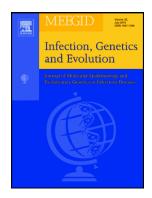
To appear in: *Infection, Genetics and Evolution*

Received date: 3 April 2018 5 June 2018 Revised date: 9 June 2018 Accepted date:

(2017), doi:10.1016/j.meegid.2018.06.013



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.



ACCEPTED MANUSCRIPT

Molecular Epidemiology of Hepatitis Delta and Hepatitis B Viruses Circulating In Two Major Provinces (East and North-West) of Pakistan

Mahwish Aftab¹ mahwishaftab87@gmail.com, **Iram Amin**² iram_mali2005@yahoo.com, **Muhammad Idrees**^{2,3} idrees.camb@pu.edu.pk, **Amjad Ali**⁴ amjad.camb@pu.edu.pk, **Shazia Rafique**^{2,*} shaziarafique@gmail.com., **Shagufta Naz**^{1,**} drsnaz31@hotmail.com

ABSTRACT

Objectives

HBV and HDV are major public health problems with millions affected globally and Pakistan accounts for a significant proportion of the global Hepatitis burden. This cross sectional study was designed to assess the general epidemiological and virological features of HBV and HDV in the Punjab and Khyber Pakhtunkhawa (KP) provinces of Pakistan.

Methods

A total of 1890 HBV patients from March 2016 to May 2017 were recruited in the study and the presence of HDV was retrospectively evaluated in all participants. Most participants were young adults (from 21-30 years). Genotyping was based on PCR amplification using primers specific

¹Department of Biotechnology, Lahore College For Women University, Lahore, Pakistan.

²Division of Molecular Virology & Molecular Diagnostics Centre of Excellence In Molecular Biology, 87 West Canal Bank Road, Thokar Niaz, University Of The Punjab, Lahore, Pakistan.

³Hazara University, Mansehra, Pakistan.

⁴Molecular Virology Laboratory, Centre for Applied Molecular Biology, 87 West Canal Bank Road, Thokar Niaz, University of the Punjab, Lahore, Pakistan

^{*}Correspondence to: PhD, Division of Molecular Virology & Molecular Diagnostics, National Centre of Excellence in Molecular Biology (CEMB), University of the Punjab, 87 West Canal Bank Road, Thokar Niaz Baig, Lahore 53700;

^{**}Correspondence to: PhD, Department of Biotechnology, Lahore College for Women University, Jail Road, Lahore, Pakistan

Download English Version:

https://daneshyari.com/en/article/8646547

Download Persian Version:

https://daneshyari.com/article/8646547

Daneshyari.com