



## Long-Term Renal and Bone Safety of Tenofovir Disoproxil Fumarate in Chronic Hepatitis B Patients

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### ABSTRACT:

#### INTRODUCTION:

Tenofovir disoproxil fumarate (TDF), is one of the approved drugs for chronic hepatitis B (CHB) management. Although not curative, it inhibits viral replication. It is generally considered safe but there is a strong risk of loss of bone mineral density and renal function.

**AIM:** To evaluate the renal and bone safety profile of TDF in CHB patients.

**METHODOLOGY:** This prospective observational study was started in January 2019 and the data is still being conducted in the Department of Gastroenterology & Hepatology, Jinnah Postgraduate Medical Centre (JPMC), Karachi, Pakistan. A total of 120 patients with CHB started on TDF therapy of either gender and having age more than 18 years to 60 years were recruited till date. Bone mineral density and renal function were assessed on the basis of pre and post Dual-Energy X-ray Absorptiometry (DEXA) scan & eGFR, respectively. DEXA score (T-Score) of less than -1.0 of left hip & spine and eGFR of less than 90ml/min was considered abnormal. Patients were assessed at the time of recruitment then after three and six months for comparison.



### Biography:

Dr Lajpat Rai has completed his MBBS at the age of 24 years from Ziauddin University Karachi Pakistan and did his house job of one year and currently doing postgraduate FCPS training in Gastroenterology at Jinnah Post Graduate Medical Center Karachi Pakistan. He has also done observership in Liver transplant at center of liver and biliary sciences, Indraprastha Apollo Hospital, New Delhi, India.

### Publications:

1. Liver diseases in pregnancy: trends and their consequence in mother and child.
2. Assessment of liver fibrosis with transient elastography in NAFLD patients.
3. Efficacy of pegylated interferon-alpha-2a in hepatitis D infected patients. Experience from the Tertiary Care Hospital in Karachi.
4. Epidemiological and Clinical Characteristics of Esophageal Carcinoma: A Four-Year Experience From Largest Referral Centre of Karachi, Pakistan: 2863.
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