Assessment of Knowledge and Practice on Hepatitis B Virus Infection Prevention Among Students of University in Ikere Ekiti, Ekiti State.

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Certification

This is to certify that Mary Alaba ADERIBIGBE with matriculation number LCU/PG/001869 carried out this research work titled "Assessment of Knowledge and Practice on Hepatitis B Virus Infection Prevention among Students of Bamidele Olumilua University of Education Science and Technology Ikere Ekiti Ekiti State" in the Department of Public Health, Faculty of Basic Medical and Applied Science, Lead City University, Ibadan, Oyo State, for the award of Master Degree (MPH) in Public Health and that this has not been previously submitted.

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Dedication

This research work is dedicated to the Almighty God, the giver of all things

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Abstract

Hepatitis B virus is more infectious than HIV, and the virus is endemic in Nigeria. The study was carried out among the students of Bamidele Olumilua University Education Sciences and Technology Ikere Ekiti aimed at investigating the knowledge and practice on Hepatitis B virus infection prevention. The objective of the study was to assess the knowledge and practice of the students regarding HBV infection prevention. The design was cross sectional study where data was collected using self-administered questionnaires given to about 400 students using and analysis was carried out by using Statistical Package for Social Sciences version 20. The results showed that 52% of the respondents have knowledge of HBV while 40% have not heard of HBV. 13.6% have undergone screening for HBV and only 14,6% had received vaccination. Minority demonstrated good practice towards prevention of HBV infection. It was concluded that low screening rates, lack of HBV vaccine uptake and poor practice towards infection prevention heightened the vulnerability of the students to HBV infection. Recommendation was made that adequate educational campaign to create awareness and prevention of the infection should be regularly done. Access to screening and vaccination should be made available to the students.

Keywords: Hepatitis B Virus, Knowledge, Practice, Infection, Prevention, Vaccination.

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Abbreviations	Meaning
HB	Hepatitis B
HCC	Hepato-cellular Carcinoma
HBV	Hepatitis B Virus
SSA	Sub Saharan Africa
HBsAg	Hepatitis B Surface Antigen
BOUESTI	Bamidele Olumilua University of Education, Science and Technology, Ikere Ekiti.
STDs	Sexually Transmitted Diseases
HIV/AIDS	Human Immunodeficiency Virus/Acquired ImmunodeficiencySyndrome
HCV	Hepatitis C Virus
WHO	World Health Organization
ART	Antiretroviral Therapy
EPI	Extended Programme for Immunisation
DNA	Deoxyribonucleic Acid
RNA	Ribonucleic Acid

HBeAg	Hepatitis B e Antigen
PEP	Post-Exposure Prophylaxis
HBIG	Hepatitis B Immune Globin
COVID-19	Coronavirus Disease-1
TPB	Theory of Planned Behavior
SCT	Social Cognitive Theory
HBM	Health Belief Model
TTM	Trans Theoretical Model
TRA	Theory of Reason Action
RDT	Rapid Diagnostic Test
ELISA	Enzyme Linked Immunosorbent Assay
RAPD	Random Amplified Polymorphic DNA
FCE	Federal College of Education
UNEC	University of Enugu Campus
MTCT	Mother to Child Transmission
KAP	Knowledge, Attitudes, Practices

SVP	Sub Viral Particles
ORF	Open Reading Flame
cccDNA	Covalently Closed Circular DNA
RT	Reverse Transcriptase
pgRNA	pregenomic RNA
SPSS	Statistical Package for Social Sciences
APOBEC3	apolipoprotein B editing complex 3
CBP	CREB-binding protein
cccDNA	covalently closed circular DNA,
C/EBP	CCAAT-enhancer-binding protein,
CREB	cAMP response element binding protein,
DHBV	duck hepatitis B virus,
eTIF	eukaryotic translation initiation factor,
FEN1	flap structure-specific endonuclease 1