

PREVALENCE OF DENGUE VIRUS IgM IN BLOOD SAMPLES OF PATIENTS FROM DIFFERENT STATES IN SOUTHWESTERN NIGERIA USING ELISA

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ABSTRACT

Dengue virus has been classified in the past years as family of flaviridae, genus flavivirus with specie name of Dengue virus. The study was conducted with the aim of detecting prevalence of dengue virus IgM among patient attending clinic for typhoid and malaria in different southwestern states in Nigeria. Objective is to improve dengue surveillance and diagnostic so that the quality of care for patient can be improve and the cost of and rate associated with malaria and typhoid and dengue can be reduce .the study was carried out on 26 fresh blood samples which was collected from children and adult reporting for typhoid and malaria in different states in southwestern Nigeria .Elisa kits was use for the experiment and microliter plate reader was used to read the result under the absorbance of 450nm,the result of study shows 13 samples as positive and 14 samples of blood negative .the percentage of result shows 53.1 positive and 48.1 negative .in conclusion the percentage of negatives result obtain in this study shows that dengue virus is not prevalent in southwestern part of Nigeria