

Clinical and demographic profile of japanese encephalitis in pediatric patients admitted at western visayas medical center august 2013 to august 2016.

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Abstract:

Objective: The study aims to determine the demographic and clinical profile of pediatric patients with Japanese Encephalitis (JE) admitted at Western Visayas Medical Center (WVMC) from August 2013 to August 2016. **Design:** The study utilized a record based retrospective descriptive cross-sectional study.

Setting: Data was retrieved from WVMC Hospital Information Management Department (HIMD) and Infection Prevention and Control Unit (IPCU) records. WVMC is a tertiary level hospital and one of the Sentinel Site for Acute Meningitis Encephalitis Syndrome (AMES). **Patients/Participants:** Participants included 85 children aged 2 months up to 18 years and 364 days enrolled in AMES Surveillance. **Main Outcome Measures:** Data include age, sex, demographic profile, clinical findings and laboratory confirmed JE results was encoded in a spreadsheet using SPSS software package version 16.0. Descriptive statistics was used to analyze and statistical significance was measured using Chi square test.

Results: Results showed that 85 AMES cases in pediatric patients were qualified in the study. Out of 85 cases, 13 patients or 15.3% (7 males and 6 females, mostly 0-2 years old at 34.8%, residents of Iloilo province at 76.9%) were confirmed with JE

using laboratory test Pan bio JE-Dengue IgM ELISA. Out of 13 cases, 84.2% recovered from JE, 7.7% had a neurological sequelae and died from JE. Results also showed that the clinical and demographic profile of confirmed JE pediatric patients have no relationship to the clinical outcome of children (p value is higher than 0.05). **Conclusion:** JE is present among 0-2 years old AMES pediatric patients admitted in the WVMC in any gender at Western Visayas from August 2013 to August 2016. This study could be a baseline data regarding the distribution of admitted AMES and confirmed JE cases. This provides information that can guide prioritization of high-risk areas that is necessary for planning preventive measures against this important public health threat.

Biography:

Ma. Shante V. Segumalian has completed her 3 year pediatric residency training at Western Visayas Medical Center Philippines (2012-2015). A graduate of Iloilo Doctors Hospital College of Medicine and presently working at Western Visayas Medical Center as Medical Officer IV.

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