Epidemiology and Infection

Clinical, Virological and Epidemiological Characterization of Dengue outbreak in Myanmar, 2015

Authors;

Aung Kyaw Kyaw1,2, Mya Myat Ngwe Tun1, Meng Ling Moi1, Takeshi Nabeshima1, Kyaw Thu Soe2, Saw Myat Thwe2, Aye Aye Myint3, Kay Thwe Thwe Maung2, Win Aung2, Daisuke Hayasaka1, Corazon C. Buerano1, Kyaw Zin Thant2, Kouichi Morita1\*

Supplementary Materials

Supplementary Table S-1 Characteristics of patients with isolated DENV

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Characteristics | Total cases  (N=104) | Dengue without warning signs  (N=27) | Dengue with warning signs  (N=65) | Severe Dengue  (N=12) | P value | |
| Agea | 6.3  (3.4 -10.0) | 5.0  (2.3 – 9.0) | 7.0  (4.0 –10.0) | 6.8  (5.6 – 8.5) | | 0.43 |
| **Sex** |  |  |  |  | |  |
| Male | 53 (51%) | 11 | 33 | 9 | | 0.14 |
| Female | 51 (49%) | 16 | 32 | 3 | |  |
| **Laboratory parameters** |  |  |  |  | |  |
| WBCb | 5.85 ± 2.46 | 6.51 ± 2.63 | 5.70 ± 2.18 | 5.19 ± 3.28 | | 0.22 |
| Platelets b | 156.68±78.08 | 211.37±89.87 | 147.32±61.06 | 84.33±52.28 | | <0.001 |
| Hematocrit c | 35.88±8.07 | 31.90±13.72 | 37.13±4.17 | 38.08± .05 | | 0.01 |
| **Type of Infection** |  |  |  |  | |  |
| Primary | 82 /104 (78.9%) | 24/82 (29.3%) | 49/82  (59.8%) | 9/82 (11.0%) | | 0.60 |
| Secondary | 12/104 (11.5%) | 1/12  (8.3%) | 9/12  (75.0%) | 2/12 (16.7%) | |  |
| Undetermined | 10/104 (9.6%) | 2/10  (20.0%) | 7/10  (70.0%) | 1/10 (10.0%) | |  |
| **Clinical** |  |  |  |  | | NA |
| Coffee ground  Vomiting | 12 | 0 | 7 | 5 | |  |
| Pleural  Effusion | 1 | 0 | 0 | 1 | |  |
| Rash | 5 | 0 | 5 | 0 | |  |
| Vomiting | 33 | 0 | 26 | 7 | |  |
| Abdominal  Pain | 24 | 0 | 20 | 4 | |  |
| Hepatomegaly | 35 | 0 | 28 | 7 | |  |
| Epistaxis | 34 | 0 | 26 | 8 | |  |
| **Serotypes** |  |  |  |  | |  |
| DENV-1 | 74 | 17 | 48 | 9 | | NA |
| DENV-2 | 23 | 8 | 12 | 3 | |  |
| DENV-3 | 1 | 0 | 1 | 0 | |  |
| DENV-4 | 4 | 1 | 3 | 0 | |  |
| Mixed  Infection\* | 2 | 1 | 1 | 0 | |  |

a Age in Years- Median (Inter quartile Range, IQR)

b WBC and Thrombocyte count; number of cells x 109/L in Mean ± SD

c Hematocrit level in Mean % ± SD

\*DENV-1 and DENV-2, DENV-1 and DENV-4

Mean values were compared using post hoc OneWay ANOVA test