



## Proportion of the 4<sup>th</sup> and 5<sup>th</sup> Year Medical Students in Srinagarind Hospital who have knowledge about Dengue Hemorrhagic Fever

Sinchai Wongpichedchai<sup>1</sup>, Nunnapat Manavut<sup>1</sup>, Natthachet Anurakphatthana<sup>1</sup>, Raya Thanayongpibul<sup>1</sup>, Pisit Thechoprasert<sup>1</sup>, Nattanan Sinthuchao<sup>1</sup>, Amornrat Ratanasiri<sup>2</sup>, Sompong Srisaenpang<sup>2</sup>

<sup>1</sup>5<sup>th</sup> year medical students 2016, Faculty of Medicine, KhonKaen University

<sup>2</sup>Department of Community Medicine, Faculty of Medicine, KhonKaen University

**Background and Objective:** Dengue is the major public health problem in all over the world. The 4<sup>th</sup> and 5<sup>th</sup> year medical students in Srinagarind hospital should have knowledge about dengue hemorrhagic fever for appropriate application. This study aimed to study 1) Proportion of the 4<sup>th</sup> and 5<sup>th</sup> year medical students who had knowledge about dengue hemorrhagic fever 2) the central tendency in each part of knowledge about dengue hemorrhagic fever.

**Methods:** This was a descriptive study. Study population: 284 of 4<sup>th</sup> and 5<sup>th</sup> year medical students. Using systematic sampling technique. The sample size is 143. Tool and measurement: A self-administered questionnaire. Data analysis: SPSS v.19 and Epi Info v. 3.5.4 were used to analyze the proportion, percent, frequency, maximum, minimum, median, interquartile range, p-value and 95%CI.

**Results:** The response rate were 90.9% of the 4<sup>th</sup> (130) and 5<sup>th</sup> (143) year medical students. Students who had knowledge about dengue hemorrhagic fever were 73.9% (95%CI: 65.3, 81.0). The knowledge about natural history of disease has the highest median score: 8 (Interquartile range 7-9), followed by signs and symptoms and prevention and management which are 7 (IQR 6-8), 7 (IQR 6-8) and 7 (IQR 7-8) respectively (from 10 points)

**Conclusion:** Three-fourths of the 4<sup>th</sup> and 5<sup>th</sup> year medical students in Srinagarind hospital had knowledge about dengue hemorrhagic fever and the knowledge about natural history of disease has the highest median.

**Keywords:** knowledge about dengue, medical students

