Proportion of Third-Year Medical Students of Khon Kaen University Who Have Knowledge about Self Prevention from Blood and Body Fluid Borne Infection

Warunporn Siriboonpipattana1, Rueangrit Siriphanit1, Nuntiya Srisongmueang1, Rapeepat Pipatnanun1, Chalermphol Malai1, Piyanan Karin1, Thada Koosirirat1, Suchada Palieekleo2, Varisara Luvira2

15th-year medical student, 2Department of Community Medicine, Faculty of Medicine, Khon Kaen University, Thailand

Background and Objective: A general lack of knowledge in self-convention procedures from blood and secretions of patients has been observed amongst the Khon Kaen University (KKU) medical students. As a result, the medical students run the risk of becoming infected due to contact with blood and body fluids. Whilst KKU provide sufficient information on this topic for their clinical-year medical students, there is a lack of information amongst the pre-clinical-year medical students. This study aims to examine the proportions of the third-year medical students of KKU who have sufficient knowledge about the self-convention of blood and body fluid born infections.

Methods: This was a descriptive study at the Faculty of Medicine, KKU. The total population was 250 third-year medical students in the academic year of 2015, KKU. The total study population of 230 students were recruited using a simple sampling method. Tools: A self-administered questionnaire. Data analysis: SPSS-PC v.19 was used to analyze proportions, medians, interquartile range (IQR), and 95% CI.

Results: The response rate was 100% (230/230). Three students 1.3%, (95%CI: 0.34, 4.08) were observed having sufficient knowledge on proper procedures. 55.7% were observed having knowledge about blood and body fluid born infections. 7% were observed having knowledge about self-convention from blood and body fluid born infections pre-contact. 27.4% were observed having knowledge about self-convention from blood and body fluid born infections post-contact. 1.7% were observed having knowledge about self-convention from blood and body fluid born infections both part.

Conclusion: Three students (1.3%) of the third-year medical students at KKU were observed having sufficient knowledge on self-convention procedures for patients’ blood and secretions.

Keywords: Knowledge, Blood borne pathogen, Infection, third-year medical students, Khon Kaen University