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**The Effect of English Language in the Multiple Choice Question Scores of Thai Medical Students**

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**Background:** Many universities in Thailand prepare for the ASEAN Economic Community (AEC) by increasing the numbers of tests in English language. However, English language is not the native language in Thailand. The difference in linguistic competency may affect the scores besides the knowledge. This research aimed to study the impact of English language in the multiple choice question test (MCQ) of medical students.

**Summary of Work:** The final examination of 4th year medical students in internal medicine rotation has a 120-MCQ. The ratio of test in Thai and English language is 90:30. The individual scores of tests in both languages were collected and the effect of English language in MCQ was analyzed.

**Summary of Results:** Two hundred and ninety-five students was enrolled. The Mean percentage of scores in Thai and English languages were significantly different (65.0±8.4 and 56.5±12.4, p<.001).

**Discussion and Conclusions:** The English language may affect the scores of MCQ especially in borderline students.

**Take-home messages:** The transformation of test language may cause decrease in overall scores of Thai medical students.
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