



Preliminary study on the introduction of "Entrustable Professional Activities (EPAs)" assessment in the Post-Graduate Year Training -Community Surgery Course

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Purpose

With the reform of medical education, scholars have developed two teaching evaluation methods, one is a milestone; the other is entrustable professional activities. Because the object of this research is resident physicians who only have a one-month course after graduation from post-graduate year training program to community surgery, referred to as PGY, we adopted entrustable professional activities (EPAs) to evaluate the effectiveness of PGY learning.

Methods

This study collected 5 PGYs who received community surgery training in our hospital from September 108 to December 109, and aimed at three EPAs: EPA-1 preoperative preparation for inpatients; EPA-2 the implementation emergency endotracheal intubation; EPA-3 wound suture in the operating room. The grading level is divided into Level 1 to 5. Except for EPA-2 which is qualified as Level 2, the remaining EPA-1 and EPA-3 are qualified as Level 3. PGY self-assessment and clinical teacher's grading are requested using the summary evaluation form.

Results

After the evaluation results are counted, the results are as follows: (1) The average score of the three EPAs PGY is 2.4~4.0 points, the standard deviation is 0.84~1.2 points, and the average score clinical teacher is 2.7~4.4 points, and the standard deviation is 0.6~0.84 points. (2) All three EPAs have achieved passing scores. (3) EPA-1 PGY self-evaluation and teacher evaluation scores > EPA-3 > EPA-2. (4) Analyze whether there is a difference between the scores of PGY self-ratings and the scores of clinical teacher assessment by independent t test. The results show that there is no statistically significant difference between the two ($p=0.095\sim 0.724$, $p>0.05$).

Conclusion

The above results show that EPA-1 belongs to patient care. Therefore, regardless of whether the PGY self-assessment and clinical teacher evaluation are at Level 4, the performance of the students is relatively good, while EPA-2 and EPA-3 are technical aspects that require continuous Practice makes perfect.

However, the three EPAs designed to better understand the strengths and weaknesses of PGY are in line with learner-centered medical education.

Keywords

Competency-Based Medical Education (CBME), Entrustable Professional Activities (EPAs)