Fixed pass mark: Time for change

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Abstract

Pass mark is a score that forms a limit between enough competent candidates and those who are not competent. According to the test being implemented, there are two types of pass marks: Relative and absolute. Absolute pass mark is a figure limiting the competence without concerns with the resulted numbers of the competent examinee. In this method, the examinee compete against an examination as a competent limit. Thus, it used more for certifying examinations. According to the classifications of the standard method, a fixed pass mark is a relative type. Fixed pass mark can be determined by either asking judges about the percentage that they believe a qualified examinee can score or as a figure determined by responsible authority. Each of these methods is not based on the examination and levels of candidate’s knowledge. Both of these methods are not suitable for certifying examinations. A fixed method depends on average of judge’s about examinee qualification. This method has more scientific base than determining 50%, 60%, or even 70% as a pass mark, used for years. The presence of consistent standard setting has been site of questions. In spite of different methods for the standard settings and the huge literature about this topic, some schools and collages of medicine are still using this method.

Any standard setting method depends on implementation on one of the two stakes of assessment: The candidate or the examination. The first is the wanted candidates as a limit of competence or the required number. The second is the examination as a guardian of the curriculum outcome and the level of difficulty. Besides, both of these assessment drive student learning and expand professional horizons.

Arbitrary fixed pass mark depends on no scientific basis; it is just a figure and consequently nondefendable. Such
invalid and unreliable pass mark can result in allowing noncompetent candidates to practice and unrealistically high pass mark will exclude competent candidates. Both of these situations will affect the candidate’s confidence about them, the assessment, the stockholders, and the labor market.

Literature about standard setting describes many types of pass marks and methodologies of setting standards. The most commonly cited method is modified Angoff method. Modified Angoff method takes in consideration the candidate as a borderline with enough competence and the judgment about the examination. Judgment about examination depends on two points, first the examination difficulty and the curriculum outcomes.

The selection of suitable method of setting standards and changing is nonconsuming time practice and has an impact on the quality of the graduating candidate. Many international bodies and councils concern with accreditation and good practice are advising to use standard setting in assessment. The Accreditation Commission of Colleges of Medicine stated that the methods for assessing students’ skills, knowledge, and proficiencies must be developed by the medical school and overseen by a promotions and evaluation committee. The General Medical Council reported that the schemes of assessment must support the curriculum and allow students to prove that they have achieved the curricular outcomes. Moreover, the supplementary advice declared that medical schools should not use fixed pass marks that is pass marks which are the same every year. The trilogy of standards of the world federation of medical education had emphasized on the assessment of student and trainee for accreditation of colleges. The internationalization, globalization, and cross-border education driven by the development of information and communication technology need global standards for medical education. Thus, there is need for evidence-based standards.

In the presence of remarkable evidence against the use of fixed pass mark, continuing its use becomes unjustifiable. On the other hand, using standard setting is becoming more evidence-based, especially with the availability of a number of widely tested methods.

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