The survey of knowledge and practice of faculty members about validity and reliability of exams.

Najar Sh, Abedi P

Introduction. Measuring is the foundation of evaluation. The main way for evaluation of education progression is testing the exams; and every test must have identity, validity, reliability and be easy to perform. More precision to preparing the exams can improve its validity. There are different ways for measuring validity and reliability in testing. Do the faculty members know about these methods? And do they use various methods for validity and reliability?

Methods. Present study is a cross-sectional descriptive study and its main objective was determining faculty members’ knowledge and practice about various methods of testing validity and reliability in exams. Participants were 100 of faculty member in Ahvaz medical university; we sent them questionnaires and they returned only 70 questionnaires.

Results. 39 of the samples were male and the others were female. 80% of them knew about the content validity and 42.9% knew about split halves. 45.7% used content validity and 20% of them used test retest reliability in exams.

Conclusion. Although the faculty members had knowledge about some methods for validity and reliability; but just a few number of them used these methods.

Address. EDC, Jahrom University of Medical sciences, Jahrom, Iran.
Is rule 13 of educational legislation for gifted and talented students in universities a valid rule? A preliminary report

Oveisgharan Sh, Ghasemi M

Introduction. Iranian talented university students who take term averages below 17 for at least twice can’t use facilities of educational legislation for gifted and talented students in universities. This study deals with validity of this rule.

Methods. Renzulli’s three ring conception of giftedness was selected as gifted definition. Obtaining grade point averages equal or more than 15 was regarded as “above average ability” criterion acquisition. A questionnaire, based on scales for rating the behavioral characteristics of superior students (SRBCSS) was designed for “creativity” and “task commitment” evaluation. Score 3.00 or more acquisition by a student in “creativity” and “task commitment” evaluation by evaluators was accounted as meeting other criteria of the definition. Students who were admitted in Isfahan University of medical sciences during 1997-1999 and recognized as gifted were included in the study.

Results. 147 students were included in this study. 50% were female. 20 students’ reports done by 39 students were evaluated. 31 of these 39 students would have been omitted if rule 13 had been implemented. 18 out of 31 students met all three criteria of Renzulli’s definition.

Conclusion. Currently among gifted students who are prohibited of using educational facilities of IGTC’s legislation there may be some gifted students. Percentage of these unlucky gifted students isn’t low. Policy makers of national gifted program are needed to pay attention to concepts of gifted definitions and identification procedures.

Address. Isfahan University of Medical Sciences, Isfahan, Iran.

The effect of clinical exam on midwifery students’ confidence in clinical skills

Pakgohar M

Introduction. The aim of medical education is to produce competent, caring physicians. Self-confidence is another attribute often considered desirable for physicians. Confidence is a key to developing the sense of quantity that has been long recognized as a desirable characteristic of physicians, and confidence has a subjective marker of competence. An analytic descriptive survey was carried out in order to determine the clinical skills of midwifery students at gynecology and effect of clinical exam on self-confidence in clinical skills.

Methods. The end year of the curriculum, during the years 1999-2001, immediately before and after taking final exam, the 40 midwifery students were asked to complete a brief survey about their levels of confidence in their clinical skills. The survey used a ten-point rating scale for the students to indicate their levels of confidence in history taking, physical examination, interacting and communicating with patients, clinical reasoning, and dealing with difficult patients. The students’ clinical skills defined in three levels. (adequate, moderate, inadequate)

Results. Findings of the study indicated that, their highest levels of confidence, both before and after the clinical exam, were in history taking and interacting/communicating with patients, the lowest levels of confidence were in clinical reasoning, and dealing with difficult patients. There were statistically significant positive correlations between each area for which students rated their confidence level and students exam performances, as assessed by their total final exam scores, specially in clinical reasoning and dealing with difficult patients.

Conclusion. It is important for us as medical educators to understand the circumstances under which an educational intervention such as clinical exam increases confidence in clinical skills, with the confidence in turn validated by improved performance in those skills.

Address: Nursing and Midwifery School, Tehran University of Medical Sciences, Tehran, Iran.