OSC2: Proposed Enhancement on Objective Structured Clinical Examination for Pre-Clinical Dental Students

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OSCE is an assessment tool to measure performance and competency of the students, however in the Philippines, the examination of preclinical dental students is not standardized to assess the student’s competency and skills. The assessment tool as it identifies the areas for improvement will provide opportunity to develop remedial programs for students who lack clinical competencies and thus pave the way for enhancing the current dental curriculum.

Materials and Methods: The study used quantitative descriptive developmental design to evaluate the OSCE for proposed enhancement in pre-clinical students. An OSCE team was developed to identify the competency of the students by preparing an OSCE which is assessed by a standardized rubric and checklist. Pilot testing of the OSCE was done. Cronbach’s alpha was used to test the reliability, experts determine face and content validity.

Results: After experts’ validation, each test items in OSCE was revised and modified according to the recommendation to ensure content clarity and to measure the desired competency of each program component. Results of the item analysis showed that in terms of difficulty index: 18.18% (Difficult), 54.4% (Moderate) and 30% (Easy). In terms of discrimination index: 21.21% (Poor), 48.48% (Good) and 30.30% (Excellent). Test items with poor discrimination index with very low or very high difficulty scores were modified and improved. Using Kuder-Richardson Formula-21, the reliability index was obtained at 0.865.

Conclusion: The study therefore concludes that the proposed enhancement on OSCE was found valid and reliable. It is recommended to continuously performed enhancement on OSCE to measure competencies required for students.

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