

**ANALYSIS OF THE RELIABILITY OF THE CHINESE VERSION
OF THE OPHTHALMIC CLINICAL EVALUATION EXERCISE
(OCEX) FOR ASSESSING CLINICAL PERFORMANCE OF
TRAINEES IN TAIWAN -- PRELIMINARY REPORT**

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Purpose: The Ophthalmic Clinical Evaluation Exercise (OCEX) is a tool designed to assess the trainee's professionalism that was developed and tested for reliability in the United States. This study tests the reliability of the Chinese version of the OCEX.

Methods: We modified the OCEX for use in Chinese and tested it on ophthalmic trainees in a teaching hospital in Taiwan. The workshop included videotaped trainee-simulated patient encounters on two different clinical scenarios, blurred vision, and red eye. The reliability of the modified Chinese version OCEX was evaluated by 13 raters.

Results: For each trainee, 13 raters completed the OCEX forms. A total 44 forms were completed for four trainees. Cronbach's α for blurred vision is 0.774/0.762

(pre-test / post-test) ; for red eye 0.742/0.311 (pre-test / post-test), after modification of the items of OCEX, resident's α value improved to 0.709. Inter rater reliability, Cohen κ values are 0.691/0.469 and 0.701/0.458 (pre-test / post-test), baseline intraclass correlation coefficient [ICC] is 0.935 /0.915 and 0.949/0.909 (pre-test / post-test) for blurred vision and red eye, respectively.

Conclusions: Our study demonstrated adequate reliability was achieved in blurred vision scenario, however, to obtain acceptable (Cronbach's $\alpha > 0.7$) reliability in red eye scenario, we modified the checklist , so the interrater reliability and interclass correlation coefficient were fair in both scenarios.

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