

**SHOW ME HOW TO GET PAST MCQs: New Opportunities in Measurement
CLEAR Pre-Conference Workshop 30 September 2004**

References

Adamo G. "Simulated and standardized patients in OSCEs: achievements and challenges 1992-2003." *Medical Teacher*, Vol. 25, No. 3, May 2003, pp. 262-270.

American Educational Research Association, American Psychological Association, National Council on Measurement in Education, (1999). *Standards for Educational and Psychological Testing*, Washington, DC: American Educational Research Association.

Austin, Z., Croteau, D., Marina, A. and Violato C. (2003) "Continuous professional development: The Ontario experience in professional self-regulation through quality assurance and peer review", *American Journal of Pharmaceutical Education* **62** (2), 56-63.

Austin Z., O'Byrne, C., Pugsley, J.P., and Queroz, L. "Development and validation processes for an objective structured clinical examination (OSCE) for entry-to-practice certification in pharmacy: the Canadian experience", *Am. J. Pharm. Educ.* **67**, 83-90 (2003).

Brennan, R. L. (1995). "Generalizability of Performance Assessments", *Educational Measurement: Issues and Practice*, Winter, 9-12.

Brennan, R. L. (1996). *Generalizability of Performance Assessment*. Technical Issues in Large-Scale Performance Assessment. National Center for Education Statistics, US Department of Education, Office of Educational Research and Improvements.

Carpenter, J.L. (1995) "Cost analysis of OSCEs (Review)", *Academic Med* **70**, 828-833.

Cizek, G.J. (2001). *Setting performance standards: Concepts, methods and perspectives*. New Jersey: Lawrence Erlbaum Associates

Clauser, B. E., Clyman, S. G., Swanson, D. B. (Spring 1999). *Components of Rater Error in a Complex Performance Assessment*. Journal of Educational Measurement, Vol. 36, No. 1, pp. 29-45.

Cohen, A. S., Kane, M., & Crooks, T. (1998). *A Generalized Examinee-Centered Method for Setting Standards on Achievements Tests*. AERA/NCME, San Diego.

Colliver, J.A., and Swartz, M.H. (1997) "Assessing clinical performance with standardized patients" *JAMA*. **278**, 790-791.

Crick, J. E., & Brennan, R. L. (1983). *Manual for GENOVA: A generalized analysis of variance system*. Iowa City, Iowa: ACT Publications.

Davis MH. "OSCE: the Dundee experience." *Medical Teacher*, Vol 25, No. 3, May 2003, pp. 255-261.

Dupras, D.M., and Li, J.T. (1995) "Use of an OSCE to determine clinical competence", *Academic Med* **70**, 1029-1034.

Fabrey, LJ, "Development of Simulation Exercises for Real Estate Practitioners", *Real Estate Educators Association Journal*, Winter 2003, Vol. 2, No. 1, p. 24-27

Fielding, D., Page, G., Rogers, W., O'Byrne, C., Schulzer, M., Moody, K.G., and Dyer, S. (1997) "Application of objective structured clinical examinations in an assessment of pharmacists' continuing competency", *American Journal of Pharmaceutical Education* **61**, 117-126.

Grand'Maison, P., Brailovsky, C.A., Lescop, J.J., and Rainsberry, P.C. (1997) "Using standardized patients in licensing/certification examinations: a comparison of two tests in Canada", *Family Medicine* **29**, 27-32.

Hodges B. "Validity and the OSCE." *Medical Teacher*, Vol. 25, No. 3, May 2003, pp. 250-254.

Kramer A, Muijtitens, A, Jansen K, Dusman H, Tan L, van der Vlueten G. "Comparison of a rational and an empirical standard setting procedure for an OSCE." *Medical Education*, 2003; 37: 132-139.

Linn, R. L. & Burton, E. (1994). "Performance-Based Assessment: Implications of Task Specificity". *Educational Measurement: Issues and Practice*, Spring 1994, Vol. 13, No. 1, pp.5-8.

Livingston SA, Zieky MJ. (1982). *Passing Scores*. Princeton, NJ: Educational Testing Service.

Mislevy, R. J. (1996). "Test Theory Reconcived". *Journal of Educational Measurement*, Winter 1966, Vol. 33, No. 4, pp. 379-416.

Patil NG, Saing H, Wong J. "Role of OSCE in evaluation of practical skills." *Medical Teacher*, Vol. 25, No. 3, May 2003, pp. 271-272.

Phillips, GW. (1997) "Technical issues in large-scale performance assessment." *Journal of Educational Measurement*, 34: 377-382.

Poenaru, D., Morales, D., Richards, A. & O'Connor, M. "Running an objective structured clinical examination on a shoestring budget". *American Journal of Surgery* June 1997 vol. 173, pp 538-541.

Regeher, G., MacRae, H., Reznick, R.K., and Szalay, D. (1998) "Comparing the psychometric properties of checklists and global rating scales for assessing performance on an OSCE-format examination." *Academic Medicine* **73** (9), 993-997.

Reznick, R., Blackmore, D., Dauphinee, D., Smee, S.M., Rothman, A.I. (1999). *The Objective Structures Clinical Examination (OSCE) of Technical Skills: the Canadian Experience in Licensure. Innovative Simulations For Assessing Professional Competence*, by Tekian, A., McGuire, C.H., McGaphie, W.C., and Associates, pp.105-112.

Robb, K.V., Rothman, A. (1985) "Assessment of clinical skills in general medical residents: comparison of the objective structured clinical examination to a conventional oral examination", *Annals of the Royal College of Physicians and Surgeons of Canada*. **18**, 235-238

Rothman, A. I., Cohen, R., Bilan, S. (1996). *A comparison of short-and long- case stations in a multiple-station test of clinical skills*. *Academic Medicine* 71:s110-s112.

Shavelson, R. J. & Webb, N. M. (1991). *Generalizability Theory: A Primer*

Singer, P.A., Robb, A., Cohen, R., Norman, G., and Turnbull, J. (1996) "Performance-based assessment of clinical ethics using an objective structured clinical examination", *Academic Med* **21**, 495-498.

Sloan, D.A., Donnelly, M.B., Schwartz, R.W., and Strodel, W.E. (1995) "The objective structured clinical examination: The new gold standard for evaluating postgraduate clinical performance", *Annals of Surgery* **222**(6), 735-742.

Solomon, D>J>, Szauter, K., Rosebraugh, C.J., and Callaway, M.R. (1999). "Global ratings of student performance in a standardized patient examination: is the whole more than the sum of the parts?" *Advances in Health Sciences Education* **4**, 1-10.

Van der Vleuten, C.P.M., 7 Swanson D. (1990). "Assessment of Clinical Skills with Standardized Patients: State of the Art". *Teaching and Learning in Medicine*, Vol. 2, No. 1, pp.58-76.

Wang, N., Newman, L.S. & Wisner, R.F. (2000). *Setting performance standards for performance-based certification and licensure examinations*. Washington DC: National Organization for Competency Assurance

Webb, N. M., Rowley, G. L., & Shavelson, R. J. (1996). *Methods Plainly Speaking: Using Generalizability Theory in Counseling and Development*. Measurement and Evaluation in Counseling and Development, Vol. 21, 00. 81-90.

Woodburn, J., and Sutcliffe, N. (1996) "The reliability, validity and evaluation of the objective structured clinical examination in podiatry (chiropractic)", *Assessment and Evaluation in Higher Education*. **21**, 131-146.

URL/Links to free practice computerized simulations:

<http://www.goAMP.com/PRODUCTS/REPSimTests.htm>

<http://www.nbrc.org/RRTPractice.htm>

Useful Websites

www.aspeducation.com

www.chauncey.com

www.ets.org

www.siumed.edu

Papers and organizational publications which may still be available:

Barrows HS. "Standardized patients – what can and cannot be simulated." Fourth International Ottawa Conference; Ottawa Ontario, Canada; 1991.

Boulet, J. R., Hambleton, R. K., Friedman Ben-David, M. & Whelan, G. P. (1998). *A Comprehensive Holistic Approach for Setting Standards on Performance Assessments*. Paper presented at the annual meeting of the National Council of Measurement in Education, San Diego.

Brennan, R. L. (1996). *Generalizability of Performance Assessment*. In Technical Issues in Large-Scale Performance Assessment, by Gary W. Phillips, National Center for Education Statistics, US Department of Education, Office of Educational Research and Improvement.

Cohen, A.S., Kane, M. & Crooks, T. (1998). *A Generalized Examinee-Centered Method for Setting Standards on Achievements Tests*. Paper presented at the annual meeting of the American Educational Research Association/National Council of Measurement in Education, San Diego.

Colton, Greg (1998). Presentation at annual meeting of AASSWB. "When is a safe exam not a safe exam?" *Association News*. Newsletter of the American Association of State Social Work Boards. December 1998; 8(6).

Gao, X. & Colton, D.A. (1996). *Evaluating Measurement Precision of Performance Assessment with Multiple Forms, Rater, and Tasks*. Paper Presented at the American Educational Research Association, New York.

Klass DJ, De Champlain AF, Fletcher E, King AM, Macmillan M. "Development of a performance-based test of clinical skills for the United States Medical Licensing Examination." Eighth International Ottawa Conference; Philadelphia, Pa; 1998.

Margolis, M. J., De Champlain, A. F., Klass, D. J. (April 2000). *Scoring a Large-Scale Performance-based Assessment: A Comparison of Two Approaches*. NCME, New Orleans, Louisiana. Work in progress.

Plake, B. S. (1997). *Criteria for Evaluating the Quality of a Judgmental Standard Setting Procedure: What information Should be reported?* Unpublished report.

Reznick R, Kipelow M, Levasseur L, Baumber JS, Chalmers A, Lacombe G, Patey P, Tamblyn R, Smee S, Swanson DB, Mendez J, Cohen R. "The Q5 Project of the Medical Council of Canada." Fourth International Ottawa Conference; Ottawa, Ontario, Canada; 1991.

Ross LP, De Champlain AF. "Examining fairness issues for a large-scale standardized patient examination." Eighth International Ottawa Conference; Philadelphia, PA; 1998.

Salvatori, P. & Brown, B., *Objective structured clinical examination (OSCE), in Evaluation methods: A resource handbook*. (1995). McMaster University.

Thompson, B. & Crowley, S. (1994). *When Classical Theory is Insufficient and Generalizability Theory is Essential*. Paper Presented at the Western Psychological Association, Kailua, -Kona, Hawaii, 1994.