











From singular self-assessments to comparative self-assessments (CSA)

The validity of singular student self-assessments is limited owing to a number of confounding factors.

However, within a given individual, the ability to selfassess is relatively stable over time.

Thus, repeated/comparative student selfassessments might be used to estimate learning outcome.

Measuring learning outcome on the level of specific learning objectives requires these objectives to be clearly operationalised.

7 S C A N T R O N.

Ward et al. Adv Health Sci Educ Theory Pract 2002; 7: 63-80 Fitzgerald et al. Med Educ 2003; 37: 645-649





Using an online survey tool, students were invited to self-assess their individual performance levels at the beginning and at the end of each teaching module. Statements used for self-assessments addressed the following three domains:

- Factual knowledge
- Practical skills
- Affective learning objectives including professionalism

CSA Gain [%] = ($\mu_{pre} - \mu_{post}$) / ($\mu_{pre} - 1$)

9 SCANTRON,

Raupach et al. Med Teach 2011; 33: e446-e453















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