

45. Self-assessment by dental students performance in prosthetic dentistry

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Background: the creation of sound self judgment and accurate self-assessment among dental students is important for them to become good clinicians. Our purpose was to examine the correlation between the instructor and student's assessments of their preclinical prosthetic teeth arrangement procedures. . **Materials & method:** ninety one second year dental students completed two consecutive pre clinical examinations on ideal teeth arrangement and two self-assessments. The examinations involved artificial teeth arrangement in class i jaw relation on maxillary and mandibular ideal edentulous casts mounted on mean value articulator simulating the clinical procedure of a complete denture patient. The students and their instructor's assessments were evaluated separately and statistical results obtained using students t test and pearsons correlation. . **Results:** the results indicated no significant increases in examination or student self-assessment mean scores; however, regression analysis indicated changes in student self-assessment scores explained 16.3 percent of the variation in examination scores. . **Conclusion:** improvement in student self-assessment predicted further improvement in successive examination scores among dental students completing a preclinical teeth setting procedure. This implies that the students will be able to self assess their performance in clinical dentistry as well. From the instructor and the student's perspective, substantive changes were implicated from these self assessment evaluations. . **Keywords:** self-assessment, student evaluation, teacher evaluation, self-directed learning, dental education, prosthetic teeth setting.

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