Evaluation of the percentage of success of the endodontic treatments performed by undergraduate students of dentistry of the Federal University of Pernambuco from 1999 to 2000

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Abstract

**Aim:** The purpose of the present study was to verify the percentage of success of the endodontic treatments carried out by the undergraduate students in the discipline of Endodontics III (posterior teeth) of the Department of Prosthetics and Oral and Facial Surgery of the Centre of Health Sciences of the Federal University of Pernambuco.

**Methodology:** The 90 patients seen in the discipline in question from 1999 to 2002 were listed and contacted, of whom 51 (56.6%) returned for further clinical and radiological examinations. The data collected were then compared with those in the patients’ dental records. The data were tabulated and analyzed by independent evaluators, who rated the treatments as successes or failures.

**Results:** it was found that a significantly high degree of success (94.84%) was obtained in the endodontic treatment of molars using the crown-down instrumentation technique without pressure, irrigating solution based on 1% sodium hypochlorite, a filling limit in accordance with the morphological changes of the root with the active lateral condensation filling technique and cement fillings based on calcium hydroxide (Sealer 26).

**Conclusion:** The results obtained made it possible to conclude that the endodontic treatments performed by the undergraduate students were of high quality.