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Evaluation of single file concept in retreatment of endodontically treated teeth (An in vitro study)

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In this study One-Shape file (OS) was compared to R-endo file (RE) in retreatment of endodontically treated teeth in terms of time required for completion of retreatment procedure and amount of remaining gutta-percha on root canal dentin. Sixty mandibular mesio-buccal canals with angles of curvature between 15 and 45 were prepared using protaper universal rotary files then obturated using gutta-percha and AH-plus sealer. Canals were then divided equally into 2 groups according to the retreatment system. Time required reaching the full working length and for complete removal of gutta-percha was measured during retreatment procedure using a digital stopwatch. Also the amount of remaining gutta-percha on the root canal dentin was measured using Stereomicroscopic images analyzed by Image J software.

Biography

Mostafa Anwar is an Assistant Lecturer of Endodontics at the Faculty of Dentistry, The British University in Egypt. He is also Infection Control Officer at the British University Dental Hospital. He is a Certified Healthcare & Hospital Management Specialist – AUC. He took a Master Degree of Endodontics from Ain Shams University in Egypt. His practice is limited to Micro-Endodontics. He is a Lecturer & Participant in many International Dental Conferences. He conducts many Lectures and Hands-on workshops on Endodontics all over Egypt. He is an Endodontics Specialist at Whity Dental Center, in Cairo (Egypt).

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