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Postoperative pain after the use of waveone gold files or protaper next files system in shaping the root canal: A randomized controlled clinical trial

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Postoperative pain after shaping and cleaning the canal system can vary in degree of occurrence. The most commonly described cause of postoperative pain is the presence in the root canal system and the eventual extrusion of microorganisms inevitable in addition to pushing debris of contaminated dentin, necrotic pulp tissue and. An inflammation can follow this phenomenon accompanied by acute pain due to local pressure and oedema that triggers a postoperative pain of different levels. Modern NiTi files are widely used in dental offices as well as limited practices to Endodontics. The kinematics of NiTi files are of two types: continuous rotation and reciprocating motions. Debris forcing outside the canal can be variable according to the dynamics of the shaping files whether rotating or reciprocating. Protocol of pre-enlargement as recommended by the manufacturer and the shaping procedure being comparable, it can be accepted that pain following the shaping procedures can be assessed in a randomized clinical study. In this presentation the author will expose the study conducted in a private clinic with limited practice of endodontics by the same operator having at least two years experience using experience in both systems thus, comparing the incidence of post-instrumentation pain associated with both NiTi files system following canal shaping and cleaning. To assess the effect of shaping the canal solely without the effect of obturation, the procedures were conducted in two visits. At the second appointment patients were asked to rate the intensity of pre-instrumentation and post-instrumentation pain (at 2, 4, 6, 8, 24, 48 h) using the VAS score.

Biography

Edmond Koyess completed his graduation from Saint-Joseph University in Beirut Lebanon. He received Post-graduate certificate in Oral Biology and Endodontics from Rene Descartes, Paris. He completed his Doctorate degree in Odontologic Sciences from Lebanese University. Presently, he is Director of Master in Endodontics at Lebanese University and Fellow of International College of Dentists. He is an International Lecturer and Opinion Leader in Endodontics.

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