

Article: The WaveOne reciprocating endodontic system. Van der Vyver. p6

- 1 *Which statement, according to the author, is correct:*
 - a In the majority of cases a single-file cannot be used to complete root canal preparation in single or multiple root canal systems.
 - b In the majority of cases a single-file can be used to complete root canal preparation in single or multiple root canal systems.
2. *In the study by Paraschos, Gordon and Messer (2004) reported that in the incidence of nickel titanium file fracture:*
 - a 70% of the fractures are caused by flexural fatigue fracture
 - b 30% of the fractures are caused by torsional fatigue
 - c Neither of the above
 - d Both of the above
3. *Which is incorrect: Alternating (reciprocation) versus continuous rotation of nickel titanium instruments has the following advantages:*
 - a Binding of the instruments into the root canal dentine walls will be reduced with a reduction in torsional stress
 - b By reducing the number of cycles within the root canal during preparation the flexural stress on the instrument will be lower
 - c Increased risk of instrument fracture.
4. *The author prefers to negotiate each root canal with which size K-File until apical patency is established:*
 - a 08 K-File
 - b 10 K-File
 - c Neither of the above
 - d. Either of the above
5. *The advantages of using NiTi rotary instruments for glide path preparation include:*
 - a Reduced apical extrusion of debris
 - b Less operator and hand fatigue
 - c Reduced canal aberrations
 - d. All of the above
 - e None of the above

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- 6 *Which is incorrect: WaveOne Small Files should be used for:*
 - a. Very long root canals
 - b. Majority of root canals (average length, moderate curvatures in midroot and apical parts).
 - c. Very narrow and complex mesio-palatal canals on upper molars.
- 7 *According to the author, preparation is done with a progressive inward (light apical directed force) and outward circumferential brushing motion with the WaveOne instrument of choice in:*
 - a. 5 mm cycles
 - b. 4 mm cycles
 - c. 3 mm cycles
 - d. 2mm cycles
- 8 *Which statement, according to the author, is correct:*
 - a. Slower preparation time necessitates longer irrigation times, preferably with activation of irrigation solution
 - b. Faster preparation time necessitates shorter irrigation times, preferably with activation of irrigation solution
 - c. Faster preparation time necessitates longer irrigation times, preferably with activation of irrigation solution
9. *In Case report 2, a 45 year old male presented with pain on his maxillary right second premolar. Root canal preparation was done with:*
 - a. A WaveOne Small 21/06 instrument
 - b. A WaveOne Large 40/08 instrument.
 - c. A WaveOne Primary 25/08 instrument
10. *Compared to traditional NiTi, research has shown that, M-wire technology improves the resistance to cyclic fatigue by almost:*
 - a. 200%
 - b. 400%
 - c. 300%
 - d. 40%

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- 11 *The most effective drugs for preventing pain are:*
 - a Topical anesthetics
 - b General anesthetics
 - c Local anesthetics
 - d None of the above
- 12 *The nerve block technique with the highest failure rate is:*
 - a PDL
 - b IANB
 - c Intraosseous anesthesia
 - d. Gow-Gates mandibular block
- 13 *Articaine HCl has a half-life of:*
 - a 162 minutes
 - b 90 minutes
 - c 27 minutes
 - d 42 minutes
- 14 *Which of the following statements are true: Residual STA can be of benefit to the patient in the post-treatment period of the following procedures:*
 - a Implants
 - b Endodontic procedures
 - c Periodontal surgery
 - d All of the above
- 15 *In the reported study, the administration of phentolamine mesylate to patients who had received maxillary LA reduced the median duration of lip anesthesia by:*
 - a 31.5 minutes or 30%.
 - b 122 minutes or 78%
 - c 85 minutes or 54.8%

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16. *According to the 2002 American Dental Association's Survey of Dental Practice, the typical treatment period for a patient in a general dentistry office is approximately:*
 - a 25 minutes
 - b 90 minutes
 - c 47 minutes
17. *Haas and Lennon published results of voluntary reports to an insurance plan in Ontario, Canada indicating greater reported incidence of paresthesia in:*
 - a 2% LAs
 - b 4% LAs
 - c 3% LAs
18. *Phentolamine is a nonselective alpha-adrenergic blocking agent which was originally developed for the treatment of:*
 - a Hypertension
 - b Dermal necrosis resulting from inadvertent extravasation of norepinephrine
 - c Patients with pheochromocytoma
19. *Which region represents the area where the overwhelming majority of problems in pain control develop:*
 - a Maxillary molar region
 - b Mandibular molar region
 - c Mandibular anterior region
 - d Maxillary anterior region
20. *Collateral problems following the administration of a local anesthetic can include:*
 - a Increased risk of self-inflicted injury
 - b Potential urgent medical situations such as hypoglycemia
 - c Neither of the above
 - d. Both of the above