

## CPD QUESTIONNAIRE 12.1.1

### Article: Clinical Application of a New Rotary File System – Part 2. Van der Vyver, Vorster, Buchanan, page 18

1. *How many preparation files are needed to obtain an apical taper of 7% and ISO size of 20 in small narrow root canal systems using the ProTaper Ultimate system?*
  - a Two
  - b Three
  - c Four
  - d None of the above
2. *What is the reported prevalence range of C-shaped anatomy in mandibular second molars according to Neelakantan?*
  - a 1-50%
  - b 20- 80%
  - c 2.7 – 45.5%
  - d 100%
3. *Which category of C-shaped canal is described as having semi-colon morphology?*
  - a Type II
  - b Type III
  - c Type I
  - d None of the above
4. *What percentage of brand new NiTi instruments were reported to fracture during first use?*
  - a 20%
  - b 100%
  - c 0.9%
  - d None of the above
5. *Which of the following factors may complicate endodontic treatment involving separated file removal?*
  - a The complexity of the root canal system
  - b The treating clinician's access to the materials, instruments and devices needed to attempt removal
  - c The clinician's ability to predict the outcome of the attempt removal considering his or her experience
  - d The location, size, position and diameter of the fractured fragment
  - e All of the above

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6. *Which tooth surface does a dens evaginatus typically occur on in posterior teeth?*
  - a Occlusal
  - b Buccal
  - c Lingual
  - d Mesial
7. *True or False: Dens evaginatus is an uncommon dental anomaly which results in the formation of an accessory cusp presenting on both the anterior and posterior teeth*
  - a True
  - b False
8. *Dens evaginatus predominantly affected individuals of which population group?*
  - a Africans
  - b Europeans
  - c Asians
  - d None of the above
9. *What is the overall reported prevalence range of dens evaginatus?*
  - a 100%
  - b 0%
  - c 50 – 60%
  - d 0.5 – 4.3%
  - e None of the above
10. *True or False: The ProTaper Ultimate system avoids the need for hybridization of different file systems.*
  - a True
  - b False

## CPD QUESTIONNAIRE 12.1.2

**Article: Masterclass in Endodontics: Direct Pulp Capping on Permanent Teeth Using MTA. Van der Vyver, Potgieter, Vorster, page 6**

11. *The treatment of choice for traumatized or cariously exposed teeth with vital pulps and open apices is:*
- Extraction
  - Emergency root canal therapy
  - Vital pulp therapy
  - Apexification
12. *The term apexogenesis refers to:*
- Continued root formation and apex closure in vital teeth
  - Inducing root end closure in non-vital teeth
  - Generating scaffolds for pulp regeneration
  - Stimulating bleeding through the apex
13. *Mineral Trioxide Aggregate is superior to Calcium Hydroxide due to which of the following properties:*
- Has better handling capabilities
  - Produces a thicker dentinal bridge
  - Stimulates a hyperaemic response
  - Causes necrosis of the pulp at the contact site
14. *The main disadvantage of Sodium Hypochlorite as haemostatic agent is:*
- It produces a fibrin clot
  - It is not a potent disinfectant
  - It dissolved inorganic tissue
  - It is cytotoxic
15. *Placement of a glass-ionomer cement over the MTA is necessary to enable:*
- A single visit procedure
  - Activation of the MTA
  - Faster setting of the MTA
  - Fluoro-aggregate release

**Article: Aesthetic anterior tooth restorations with nano-ceramic hybrid CAD/CAM blocks. Da Silva and Andrade, page 46**

16. *According to the authors, which material is most commonly employed in the production of ceramic veneers:*
- Feldspathic ceramics
  - Lithium disilicate- reinforced glass ceramics
  - Leucite-reinforced glass ceramics
17. *Which statement is correct:*
- Composite-based blocks used to produce indirect restorations display superior mechanical properties in comparison with direct composite restorations
  - Composite-based blocks used to produce indirect restorations display inferior mechanical properties in comparison with direct composite restorations
18. *Which blocks offer the possibility of shade adaptation directly after the milling process without any need for additional crystallisation?*
- Ceramic blocks
  - Composite blocks
  - Neither of the above
19. *In the case described, which parameters were included when designing the smile:*
- The smile line and the position of the lips
  - The gingival zenith
  - Tooth proportions
  - All of the above
20. *The technique used as a reference for the preparation of the teeth, with the mock-up serving as a guide for removal of the dental substance was proposed by:*
- |                       |                       |
|-----------------------|-----------------------|
| a Magne et al., 2010  | b Radz, 2011          |
| c Kern & Ahlers, 2015 | d Belser et al., 1997 |