

Article: Masterclass in Implant Dentistry: Apicectomy to repair a bone defect in the anterior maxilla as a pre-implant procedure? Van Zyl, page 6

1. Which of the following statement/s are incorrect regarding the use of doxycycline during apicectomy in the anterior maxilla:
 - a. The doxycycline is prepared with one 100mg capsule (powder is removed from capsule and the capsule discarded) per 1ml sterile water
 - b. At 10% doxycycline is extremely acidic (pH 8) and very bitter, so it should not be allowed to flow into mouth or towards throat as it will burn fragile mucosa.
 - c. Afterwards the area is rinsed with sterile saline to remove any remaining doxycycline.
2. Which of the following statement/s are incorrect regarding apicectomy in the anterior maxilla:
 - a. Apicectomy (also called apical surgery, root-end resection, or peri-radicular surgery) is a microsurgical procedure that removes the tip (apex) of a tooth root, along with surrounding infected or inflamed tissue
 - b. It is performed when conventional root canal therapy (RCT) or retreatment fails to resolve persistent apical pathology
 - c. It is less successful on anterior maxillary teeth (canines and incisors) than posterior teeth.
3. Which of the following statement/s are incorrect regarding apicectomy in the anterior maxilla: The procedure is indicated for:
 - a. Persistent apical periodontitis, granuloma, or radicular cyst after adequate RCT/retreatment.
 - b. Root-filling material that was extruded through the apex causing ongoing symptoms or lesions.
 - c. Root canals that are obstructed but posts/cores that can be removed, no calcifications within canals, or no broken instruments.
4. Which of the following statement/s are incorrect regarding apicectomy in the anterior maxilla: The procedure is contra-indicated in:
 - a. Vertical root fractures
 - b. Systemic conditions that prevent any oral surgery
 - c. None of the above
5. Which of the following statement/s are incorrect regarding assessment of anterior maxillary teeth for apicectomy:
 - a. Roots are usually straight or mildly curved and lie close to the labial cortical plate, thereby creating easy access. This must however be confirmed on CBCT.

- b. The nasal floor can be a complication if perforated by infection or a short alveolar process with no space to work below nasal floor is present. CBCT assessment is needed for pre-operative assessment.
- c. Care should be taken to ensure the flap design enters the periodontal sulcus as this will ensure a successful outcome.

Article: A conservative mixed material approach to full mouth rehabilitation for severe erosive tooth wear. Ali, page 12

6. According to the author, which is the leading cause of dental hard tissue damage :
 - a. Abrasion
 - b. Bruxism
 - c. Caries
 - d. Tooth wear
7. In the case described, what was the main cause of the patient's advanced tooth wear:
 - a. Daytime bruxism
 - b. High acidic dietary exposure
 - c. Nocturnal bruxism
 - d. All of the above
8. Of the multiple failing restorations in the case, which tooth required replacement of a full coverage crown
 - a. Tooth 46
 - b. Tooth 26
 - c. Tooth 47
9. What type of crown was selected to restore the structurally compromised molar?
 - a. All-ceramic
 - b. Zirconia
 - c. PFM
10. Most of the rehabilitation in the case described was completed using which material:
 - a. Composite resin
 - b. Glass ionomer
 - c. Porcelain

CPD QUESTIONNAIRE 16.4

Article: Update on research and clinical guidelines in dentistry 2026: Vol 4 Hartshorne and Kotzé, p32

(NB: More than one answer per question is applicable)

11. Long-term periodontal stability depends on which of the following for successful treatment of periodontitis in most patients?
- Initial non-surgical periodontal therapy.
 - Initial surgical periodontal therapy.
 - Supportive periodontal care.
 - Patient compliance.
12. Which of the following statements relating arresting early stage caries lesions in permanent first molars with 38% Silver diamine fluoride (SDF) are TRUE?
- 38% SDF is more effective than 5% fluoride varnish.
 - 5% Fluoride varnish is more cost-effective than SDF.
 - SDF is a non-invasive procedure.
 - Requires four weekly applications.
13. Which of the following general statements related to timing of implant placement are TRUE?
- Careful case selection is essential to minimize complications in immediate implant placement.
 - Early implant placement (4-8 weeks post-extraction) provides improved soft tissue management
 - Late implant placement (> 6 months post-extraction) is the most conservative protocol.
 - Successful integration alone guarantees long-term functional and aesthetic treatment success
14. Which of the following statements relating to prevention of peri-implantitis and promotion of peri-implant health are TRUE?
- Appropriate case selection.
 - Maintenance protocols.
 - Adequate surgical and prosthodontic education and training.
 - All of above
15. (TRUE or FALSE?) The effectiveness of laser therapy remains dependent on appropriate wavelength selection, energy settings, clinical protocols, and operator training.
- TRUE
 - FALSE

Article: Evidence-based treatment planning for the restoration of endodontically treated single teeth: importance of coronal seal, post vs no post, and indirect vs direct restoration. Atlas et al, page 34

16. According to the authors, placement of a sufficient restoration over a poorly obturated root canal:
- Can render the high degree of success associated with performing both procedures adequately
 - Will not render the high degree of success associated with performing both procedures adequately
17. Which statement is correct:
- Vital teeth are more susceptible to fracture than ETT
 - ETT are more susceptible to fracture than vital teeth
 - Both ETT and vital teeth have the same susceptibility to fracture
18. Which statement is correct?
- Fiber posts have elastic moduli similar to dentin
 - Glass fiber posts are associated with low catastrophic failure rates compared to other post types
 - Fiber posts exhibit relatively uniform stress distribution to the root
 - All of the above
 - None of the above
19. What did the authors conclude is an acceptable approach for achieving good survival and success rates:
- Composite restorations
 - Porcelain fused-to-metal crowns
 - Both of the above
 - Neither of the above
20. According to the authors, which material is a natural choice when restoring ETT directly?
- Glass-ionomers
 - Flowable bulk-fill composite
 - Both of the above
 - Neither of the above