

## CPD QUESTIONNAIRE 16.1

### Article: Masterclass in Implantology: Overview of current timing concepts for implant placement and loading. Todorovic and van Zyl, page 6

- Which of the following statement/s are incorrect regarding implant loading protocol?
  - Immediate loading is when dental implants are connected to the prosthesis within one week after implant placement.
  - Early loading is when dental implants are connected to the prosthesis between one week and two months after implant placement, usually after at least 6-8 weeks of healing.
  - Conventional loading: Dental implants are allowed a healing period of minimum two years after implant placement with no connection to the prosthesis.
- Which of the following statement/s are incorrect regarding implant placement protocol?
  - Immediate placement is Implant insertion on the same day as tooth extraction, directly into the fresh socket.
  - Early placement is Implant placement 4-8 months after extraction, following initial soft-tissue closure or 12-16 weeks after extraction, when partial bone regeneration has occurred.
  - Late placement: Implant insertion more than 6 months after extraction once complete bone healing is achieved.
- Which of the following statement/s are incorrect regarding the classification of implant placement and loading time?
  - 1B is immediate placement and early loading.
  - 4B is late placement and immediate loading.
  - 4C is late placement and conventional loading.
- Which of the following statement/s are incorrect regarding the classification of implant placement and loading time?
  - 1A is immediate placement and immediate loading.
  - 4A is late placement and immediate loading.
  - 4B is late placement and early loading.
  - None of the above
- Which of the following statement/s are incorrect:
  - Following tooth extraction, the alveolar socket undergoes dimensional changes during healing, with significant reductions in ridge width (up to 50%) and height occurring within the first year in the molar and premolar region.
  - Placing implants while the alveolar ridge is still undergoing active remodelling—whether immediately or at an early stage—may lead to aesthetic or functional complications, particularly when the buccal bone wall is thin or missing.

- The sequence of healing of a dental socket involves initial stabilization of the blood clot, inflammatory activity, replacement by infected tissue, and the gradual transition from woven to mature lamellar bone.

### Article: Masterclass in Endodontics: Maximizing efficiency and preservation in root canal therapy: The Reciproc Minima System. Van der Vyver and Vorster, page 12

- Which principle best defines the philosophy behind the Reciproc Minima system?
  - Aggressive coronal flaring to enhance irrigation
  - Continuous rotary preparation with multiple files
  - Enlargement of all canals to size 45 as standard
  - Minimal invasive shaping with preservation of pericervical dentine
- Which metallurgical characteristic contributes to improved flexibility and cyclic fatigue resistance in Reciproc Minima?
  - Stainless steel alloy
  - Heat-treated nickel-titanium alloy
  - Gold electroplating surface coating
  - Titanium carbide reinforcement
- What is the primary mechanical advantage of reciprocating kinematics compared to continuous rotation?
  - Faster dentine removal coronally
  - Increased taper throughout the canal
  - Reduced cyclic and torsional stress on the instrument
  - Mandatory enlargement of the apical foramen
- Which cross-sectional design is retained in the Reciproc Minima system to optimise cutting efficiency and debris removal?
  - Triangular cross-section
  - S-shaped cross-section
  - Rectangular cross-section
  - Convex triangular cross-section
- In Case Report 2, which glide path instrument was used prior to Reciproc Minima shaping?
  - R-Pilot reciprocating glide path instrument (VDW)
  - ProGlider (Dentsply Sirona)
  - Stainless steel size 15 K-file only
  - PathFile rotary system

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### Article: Severe maxillary and mandibular atrophy. Anitua, page 22

- What is the main consequence of tooth loss if biomechanical stimulation is not restored?
  - Increased tooth mobility in adjacent teeth
  - Progressive alveolar bone resorption
  - Development of periodontal pockets
  - Increased salivary flow
- According to the author, why does mandibular resorption often differ from maxillary resorption?
  - The mandible has greater corticalisation, different anatomical landmarks, muscle insertions, and periosteal soft tissue forces
  - The maxilla has a higher rate of bone turnover and thinner mucosa
  - Mandibular teeth erupt earlier than maxillary teeth
  - Maxillary resorption is influenced only by age and sex
- In cases of extreme mandibular atrophy, which surgical approach was used in the third quadrant to allow distal implant placement?
  - Sinus lift
  - Ridge expansion
  - Lateralisation of the inferior alveolar nerve
  - Use of ultra-short implants only
- What was a key reason for transitioning from a telescopic mandibular prosthesis to a screw-retained hybrid design in this case?
  - To reduce the vertical dimension
  - Loss of retention with the telescopic design
  - To allow simultaneous sinus lift
  - Patient preference for metal-free restorations
- Which statement is correct:
  - The advent of short and ultra-short implants has improved treatment options for resorbed jaws
  - 20 years ago, longer implants were favoured to gain apical stability, particularly in sinus lift cases.
  - Both of the above
  - Neither of the above

### Article: Article: An update on research and clinical guidelines in dentistry 2025. Hartshorne/Kotzé, page 86

- Which of the following statements related to 'soft tissue augmentation around teeth and dental implants' are TRUE?
  - Soft tissue graft substitutes are not a reliable alternative to autogenous grafts.
  - Autogenous soft tissue grafts are the gold standard for increasing keratinized mucosa, mucosal thickness, and soft tissue height.
  - At implant sites, an apically positioned flap and bi-layer collagen matrix can effectively augment keratinized mucosa.
  - Soft tissue graft substitutes do not contribute to meaningful gains in mucosal thickness and supra-crestal tissue height.
- Which of the following statements related to the 'effectiveness of pulpotomy compared to pulpectomy for irreversible pulpitis in primary teeth' are TRUE?
  - Pulpotomy is an effective, minimally invasive alternative to pulpectomy in primary teeth with irreversible pulpitis.
  - Pulpotomy is a conservative alternative in irreversible cases with clinical signs of swelling and/or radiographic evidence of furcation radiolucency.
  - There is no significant difference between the two treatments.
- Which of the following statements related to the use of CBCT in endodontics are TRUE?
  - Limited FOV CBCT should be the preferred imaging modality for pre-operative diagnosis in patients who present non-specific or contradictory clinical symptoms and/or radiographic signs.
  - Periapical x-rays may be utilized to complement CBCT imaging when there are limitations in caries detection or due to image artifacts.
  - CBCT scans provide clinicians with the ability to assess the relationship of anatomic structures in only two dimensions.
- Which of the following statements relating to 'immediate full-arch mandibular rehabilitation supported by 4 implants' are TRUE?
  - The immediate function of full-arch rehabilitation is a safe and reliable protocol in the long term.
  - The cumulative survival rate for implants in immediate full arch rehabilitation was 90%.
  - The cumulative survival rate for prostheses in immediate full arch rehabilitation was 65%
- Which of the following statements associated with the efficacy and cost-effectiveness of local anaesthetics in lower molars with irreversible pulpitis are TRUE?
  - Articaine 2% is the most cost-effective anaesthetic option
  - Lidocaine 2% is the most cost-effective anaesthetic option.
  - There is no significant difference in the efficacy among local anaesthetics for the inferior alveolar nerve block in irreversible pulpitis cases.