

The following should be completed prior to initiating treatment and determined the treatment planning phase :

- a) Mounting of diagnostic casts on an articulator in centric relation
- b) Preliminary design of the partial denture
- c) Assessing the need for surgical removal of tori
- d) Determination of the need for survey crowns
- ☒ e) all of the above

Besides the changes in consistency and setting time, the accuracy of irreversible hydrocolloid is also affected by the water/powder ratio.

☒ a) True

☐ b) False

FALSE

Centric occlusion is represented by the interdigitation of the teeth irregardless of condylar relationship.

☐ a) True

☒ b) False

It is suggested in Stewart's textbook that Kennedy Class I and II, and cases with clinical symptoms of occlusal trauma, the prostheses should be constructed in centric occlusion.

☒ a) True

☐ b) False

An apparent undercut which is present only in relation to the analyzing rod but not present in relation to a comparable undercut on the opposite side of the arch is considered a false undercut.

☒ a) True

☐ b) False

Which of the following statements are true of guiding planes?

- ☒ a) They are always parallel to the path of insertion.
- ☒ b) They rarely made to exceed 2 mm in length.
- ☒ c) They are only located on proximal surfaces.
- d) They minimize the retention required by direct retainers.
- e) all of the above
- f) a, c, and d
- ☒ g) a and d only



7. When tripoding a cast both the surveying table and the vertical arm must be in a locked position.  
☒ a) True  
b) False
8. Place the steps for surveying a cast in the proper order:  
1) Align the cast so that the analyzing rod contacts the occlusal 1/3 of the proximal surfaces of the abutment teeth.  
2) Mark the survey line.  
3) Identify the undercuts.  
4) Mark the undercuts.  
5) Tripod the cast.  
☒ a) The above order is correct.  
b) 1, 3, 4, 2, 5  
☒ c) 1, 3, 2, 4, 5
9. When there is bilateral facial inclination in the premolar region of a maxillary cast, it is desirable to tilt the cast sideways to move the height of contour in an occlusal direction.  
a) True  
☒ b) False
10. A surveyor is used in both the design and fabrication of a removable partial denture.  
☒ a) True  
b) False
11. When surveying a cast, whenever possible the occlusal plane should be parallel to base of the surveyor because:  
a) Abutment tooth contours are usually more favorable in this position.  
b) This facilitates the ease of placement and removal.  
c) Most patients will seat the partial under the force of occlusion which is perpendicular to the occlusal plane. If it is not surveyed along this same path, the clasps may permanently deform.  
d) a and b are true only  
☒ e) all above are true
12. Esthetics of a partial denture can be enhanced by tilting the cast and lowering survey lines so that retentive clasps and anterior proximal plates can be more gingivally placed.  
☒ a) True  
b) False



13. According to Stewart, mandibular partial can be fabricated around most tori. In many instances, a major connector can be selected and designed to circumvent the torus.

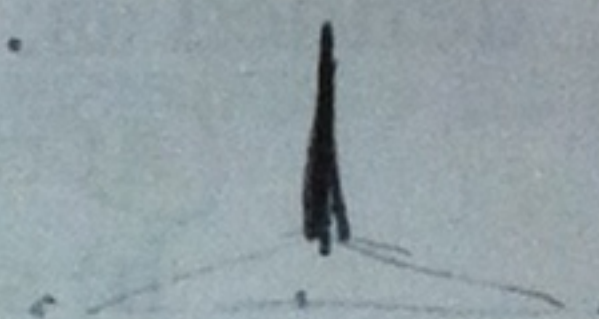
- ☒ a) True  
☐ b) False

14. The surveyor can be helpful in waxing guide planes and rests seats in survey crowns.

- ☒ a) True  
☐ b) False

15. Tripod markings on a cast are in a single plane ~~parallel~~ to the survey rod to assist the repositioning of the cast on the surveyor: *perp.*

- ☒ a) True  
☐ b) False



16. The following are parts of an RPD framework:

- 1) Rests
- 2) Intaglio surface
- 3) Minor connector
- 4) Retentive mesh
- 5) Major connector
- 6) Acrylic denture base
- 7) Guide planes

- ☒ a) all of the above  
☐ b) all but 6  
☐ c) all but 2 and 4  
☐ d) all but 2, 6, and 7

17. The pear shaped pad in the retromolar area is usually caused by scarring after 3<sup>rd</sup> molar extractions and is the posterior terminus of all distal extension partial dentures.

- ☒ a) True  
☐ b) False

18. Alginate's setting time is delayed if the mixture is contaminated with gypsum from an unclean mixing bowl.

- ☒ a) True  
☐ b) False

19. All preliminary impressions should be to the depth of the mucobuccal and mucolingual folds and into hamular notch where applicable.

- ☒ a) True  
☐ b) False



20. The reason why you wrap an alginate impression while you wait to pour the cast is to prevent:

- a) Imbibation
- ☒ b) Syneresis

21. Regardless of biomechanical classification, all removable partial dentures direct mechanical forces to the bone which is the ultimate supporting tissue.

- ☒ a) True
- b) False

22. The resistance to displacement away from the underlying hard and soft tissue is defined as:

- ☒ a) retention
- b) stability
- c) support
- d) a and b

23. The resistance to displacement toward the associated tissue may be defined as:

- a) retention
- ☒ b) stability
- ☒ c) support
- d) b and c
- e) all of the above

24. The resistance to displacement in a mediolateral or anteroposterior direction may be defined as:

- a) retention
- ☒ b) stability
- c) support
- d) b and c
- e) all of the above

25. Broad coverage of the residual ridge can provide support especially with:

- a) Bilateral distal extension
- b) Unilateral distal extension
- ~~c) Tooth borne edentulous segments~~
- d) Bilateral anterior edentulous segment
- ☒ e) a and b only
- ☒ d) a, b, and d