

Removable cobalt chromium based Partial Denture design sequence by Finlay Sutton with Rowan Garstang (Analogous to "removable" resin bonded bridges)

1. Intra oral/extra oral photographs and mounted study casts are used to assess:

- a. Occlusal space for artificial teeth and denture components
- b. Need to increase occluding vertical dimension
- c. Visibility and hiding of metal components
- d. Anterior saddles and path of insertion
- e. Need for restorations indirect restorations onlays, crowns etc..



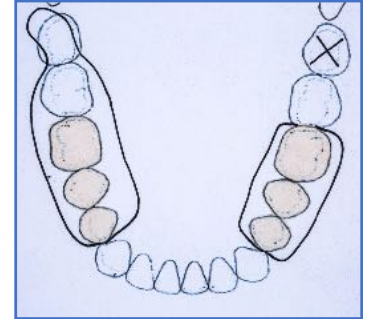
2. Teeth to be replaced

- a. Opposing occluding contacts
- b. Interocclusal space posteriorly - is there space for a prosthetic tooth or a need for metal occluding surfaces?



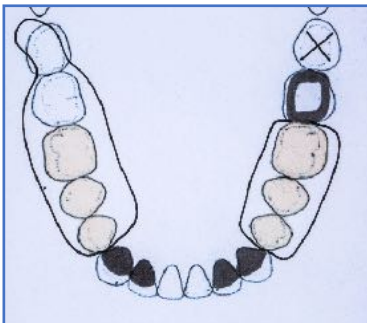
3. Flange outline - drawn

- a. Avoid gingival margins
- b. Optimum extension of free-end saddles to maximise support



4. Maximise rest tooth support
Examine occlusal space

- a. Additive - in composite
- b. Subtractive - cut into teeth
- c. Need for splinting to mobile teeth



5. Planning for future extractions/
additions/modification

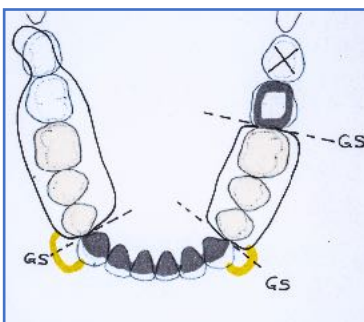


6. Guide surfaces (GS) - using surveyor

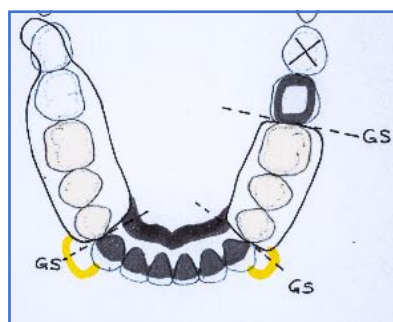
- a. Close gaps - reducing black triangles anteriorly
- b. Path of insertion/withdrawal different to path of displacement with sticky food
Assist with retention



7. Retention, reciprocation and indirect -
No more than 2 clasps per denture



8. Major connector -rigid - chassis as possible avoid palatal coverage of anterior rugae if possible



9. Finalise design, discuss with patient.
Confirm the patient is aware of visible clasp and metal components

