

1. Implant Supported Fixed Partial Denture

Implant Supported Fixed Partial Denture

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2. Predictable Implant Prosthesis

Predictable Implant Prosthesis



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3. Implant FPD Workflow

Implant FPD Workflow

- Treatment planning
- Implant-level impression
- Abutment selection
- Abutment connection
- Provisionalization
- Abutment-level impression
- Fabrication of working cast/ record base
- Framework/porcelain try in
- Delivery and recare

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4. Outline

Outline

- Treatment Planning/Type of prosthesis
- Space analysis
- Radiographic/Surgical templates
- Implant impression
- Implant abutments and how to select
- Case presentations

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5. Treatment Planning

Treatment Planning

Pre-implant surgery

- Provide appropriate tx options
- Occlusal analysis
- **Space analysis**
- Implant selection—size and system

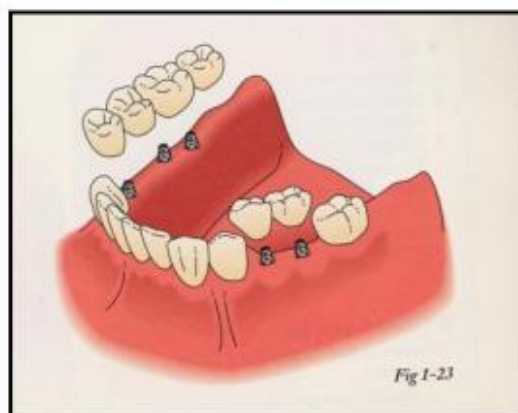
Post-implant surgery

- Review previous tx plan—sometime need revision
- Occlusal analysis
- **Space analysis**

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6. Space Analysis

Space Analysis

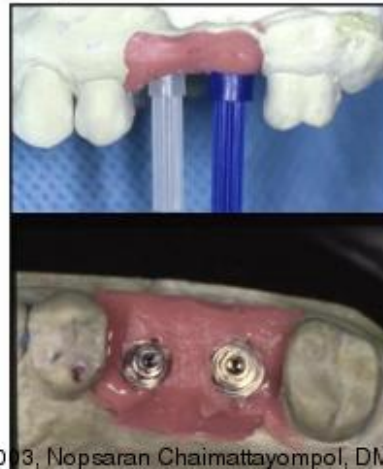


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7. Implant Impression

Implant Impression

- Implant-level impression
- Abutment-level impression



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8. Implant Impression

Implant Impression

- Pick up type
- Transfer Type



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9. Implant Abutments+AAs-based on type of prosthesis

Implant Abutments

based on type of prosthesis

For screw retained prosthesis



For cement retained prosthesis



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10. Abutment Selection

Abutment Selection

Extraoral

- Require implant level-
impression
- Allow clinician to select
appropriate abutment
- Allow clinician to
fabricate provisional
prosthesis before clinical
appointment

Intraoral

- Require high level of
experience
- Less time consuming
but may not always
achieve predictable
outcome

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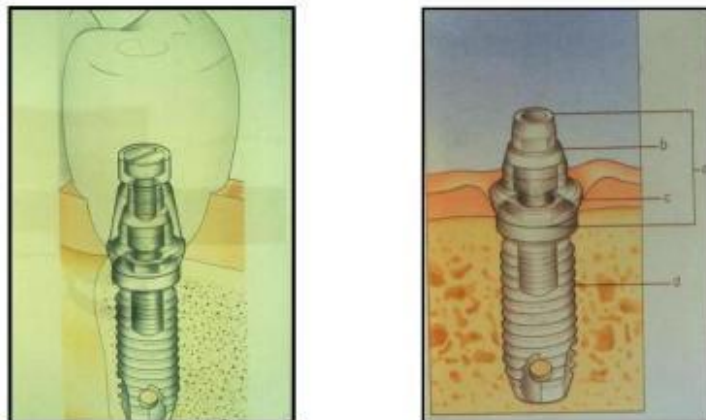
11. Abutment Selection Criteria

Abutment Selection Criteria

- P=Position
- A=Angulation
- I=Interocclusal distance
- T=Tissue depth and contour

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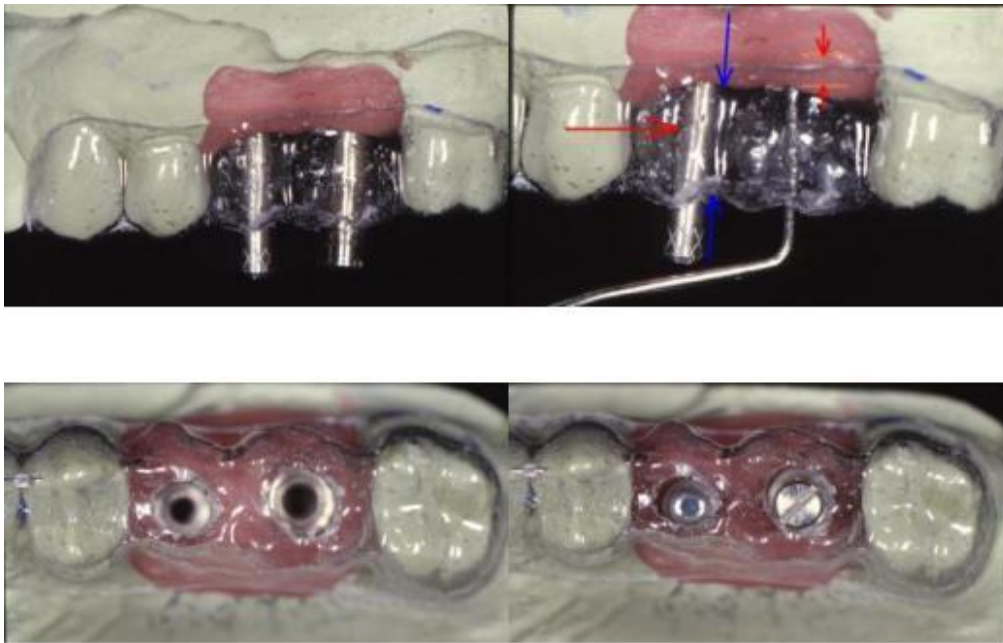
12. Session 5 Implant FPD: Slide 14



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13.

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14.

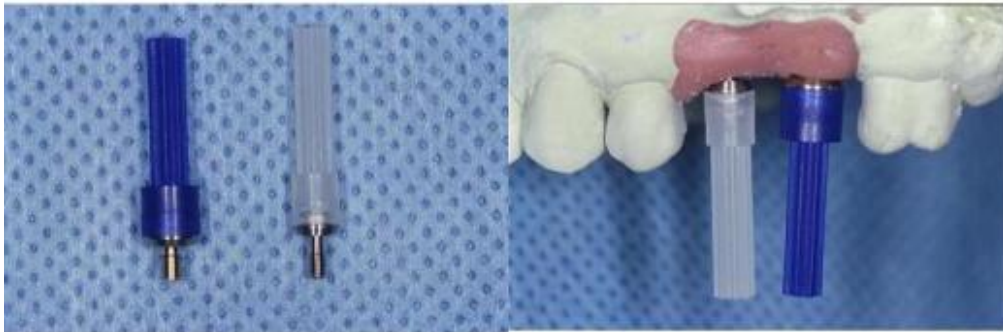
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16.

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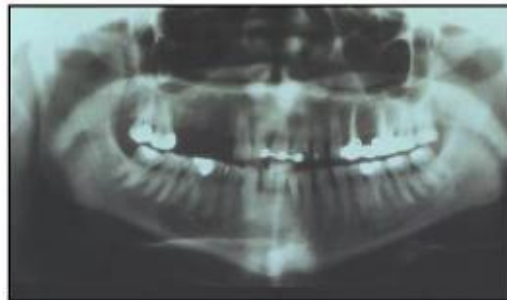


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17. Case #1 Pre-Implant surgery+AAs-Treatment Planning

Case #1 Pre-Implant surgery Treatment Planning

- Mounted diagnostic cast
- Diagnostic wax up
- Radiographs
- Consultation

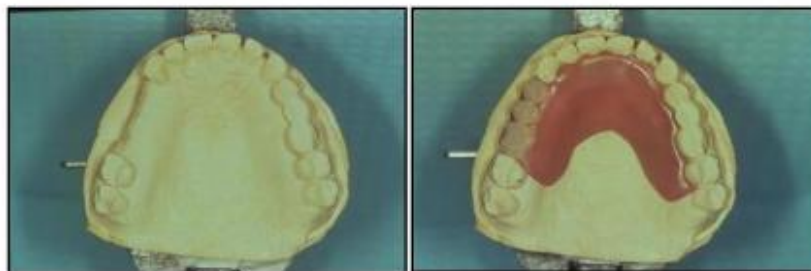


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18. Diagnostic set up/wax up

Diagnostic set up/wax up

- To fabricate radiographic and surgical template

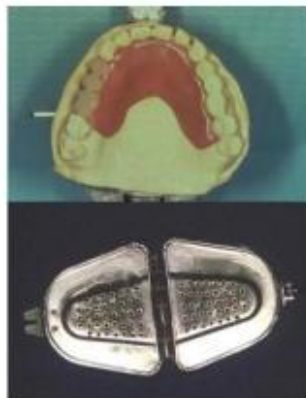


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19. Method to fabricate radiographic/surgical template

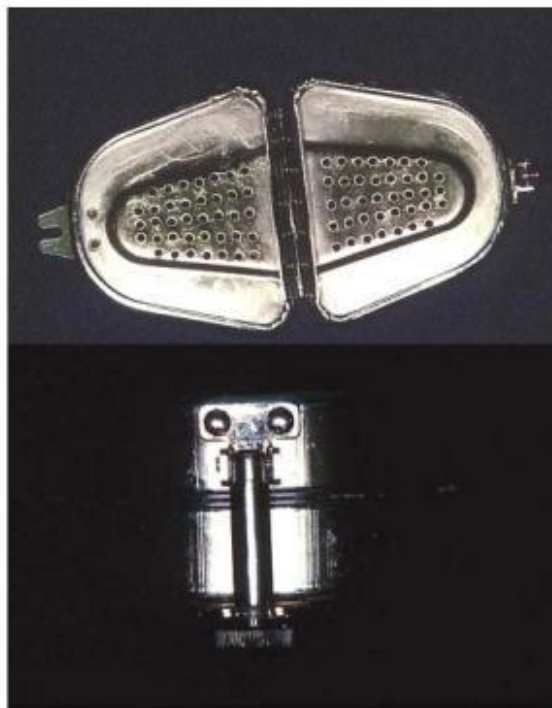
Method to fabricate radiographic/surgical template

- Use denture duplicator
- Use thermoplastic template



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21.

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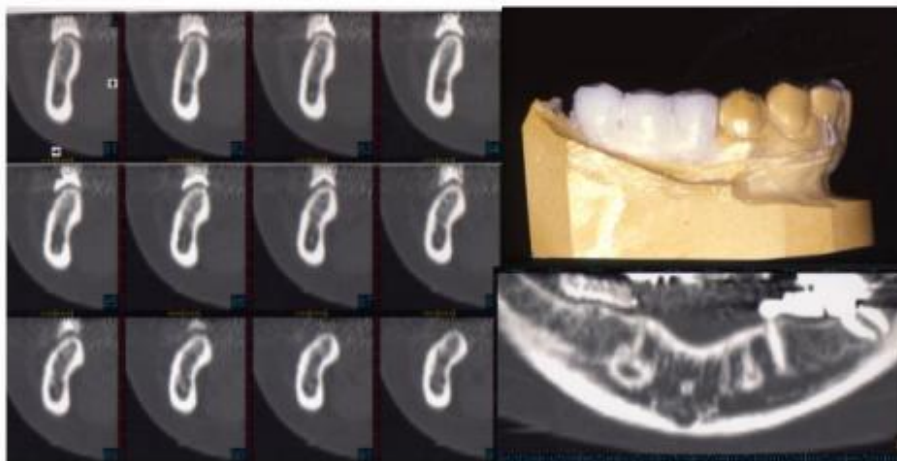


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22.

CAT Scan

CAT Scan



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23.

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24.

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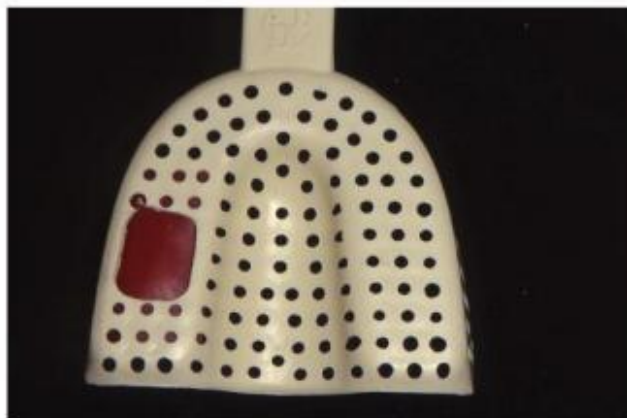
25.

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26.

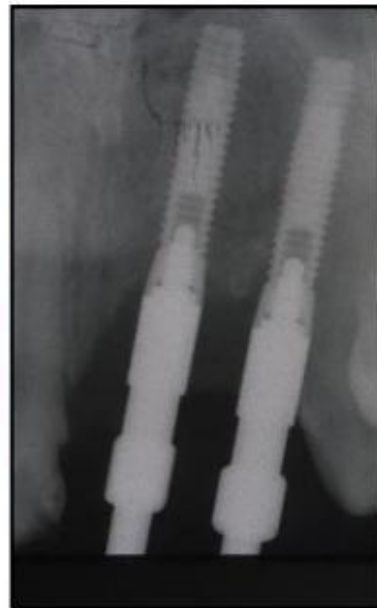
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27.

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29. Session 5 Implant FPD: Slide 31



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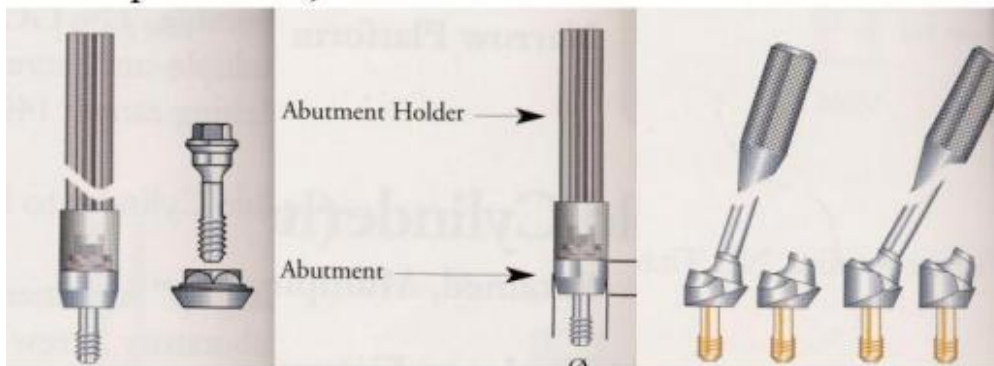


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31. Abutment Selection

Abutment Selection

- Multi unit Abutment (for screw retained prosthesis)



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32. Custom Abutment

Custom Abutment



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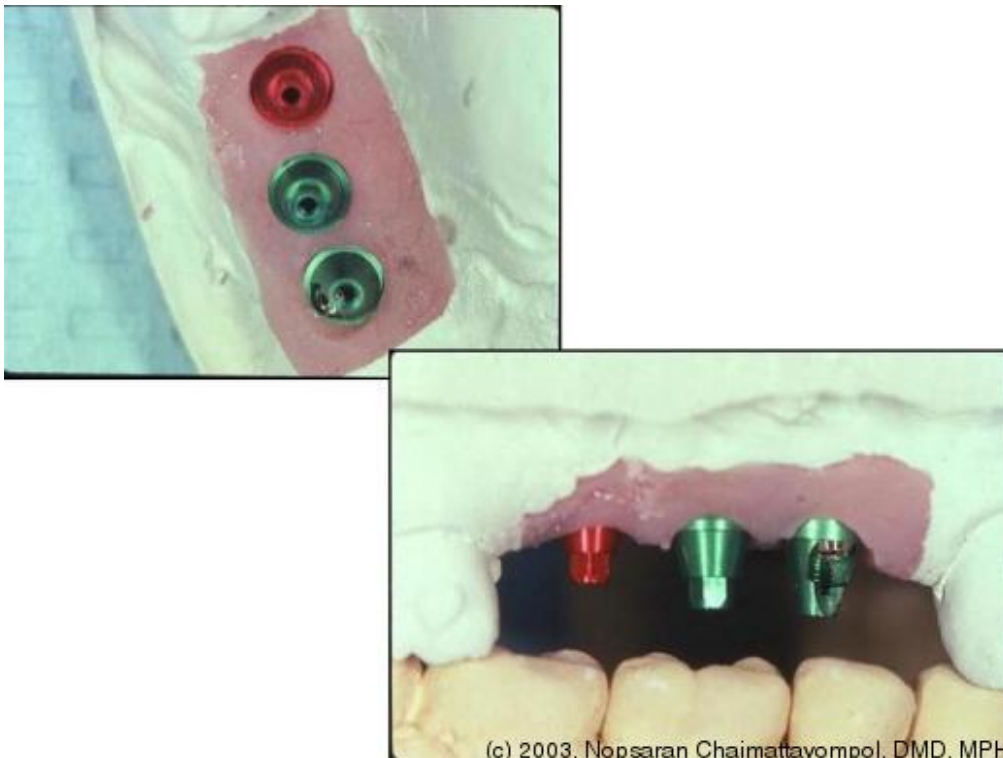
33. Multi Unit Angled Abutment

Multi Unit Angled Abutment



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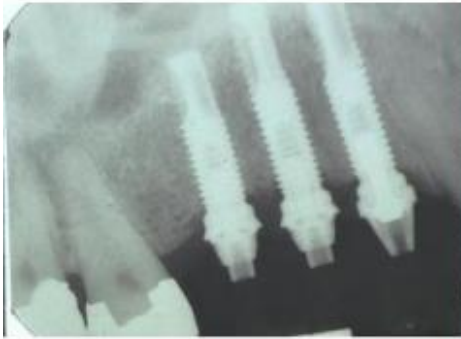


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35.

Abutment Connection

Abutment Connection



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36.

Abutment Level Impression

Abutment Level Impression



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37. Abutment Level Impression

Abutment Level Impression

Tapered impression coping

- One-piece impression coping
- Must reposition coping in the impression
- Easier
- Suitable for short inter-arch distance
- Must use close top tray

Square impression coping

- Two-piece impression coping—coping and guide pin
- Coping stays in the impression
- Relatively difficult in the 'limited access' area
- Must use open top tray

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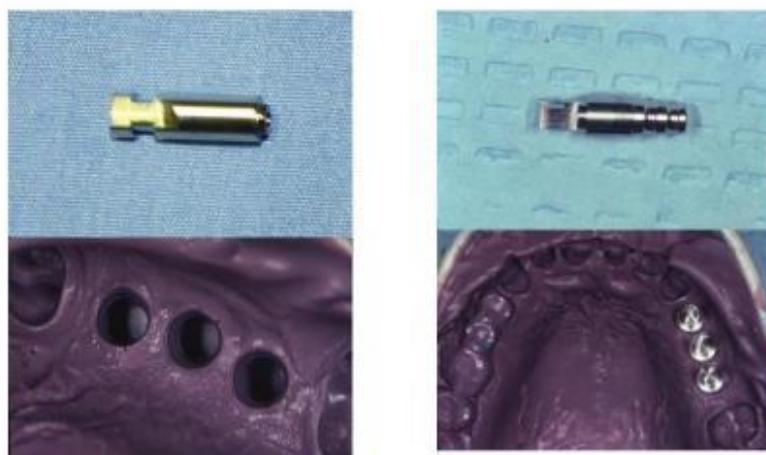
39. ‘Send Patient Home with Protective Cap’



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40. Forming simulated soft tissue implant working cast (at abutment-level)

**Forming simulated soft tissue implant
working cast (at abutment-level)**



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41. Forming simulated soft tissue implant working cast (at abutm...

Forming simulated soft tissue implant working cast (at abutment-level)



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42. Verification Cast Technique

Verification Cast Technique



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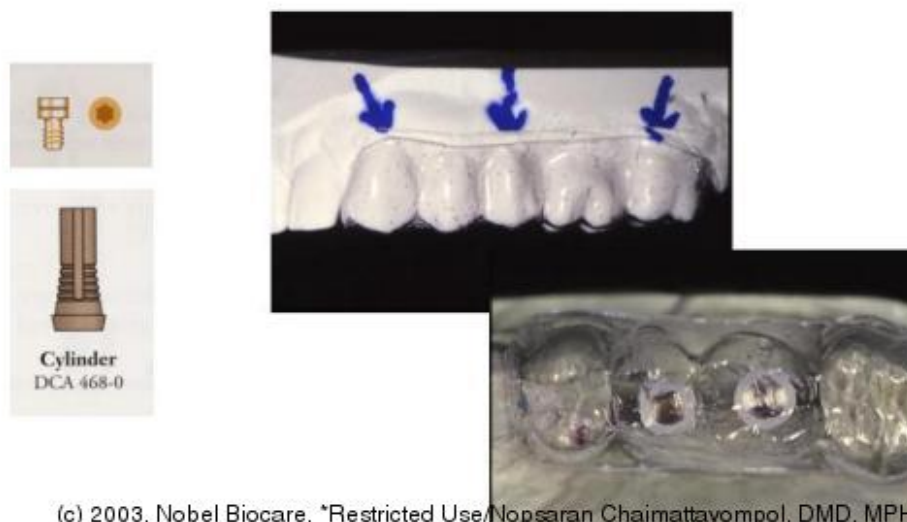
43. Verification Cast

Verification Cast



44. Fabrication of Implant Provisional Prosthesis

Fabrication of Implant Provisional Prosthesis



45.

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46.

Framework Try in

Framework Try in



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47.

Intraoral Soldering

Intraoral Soldering

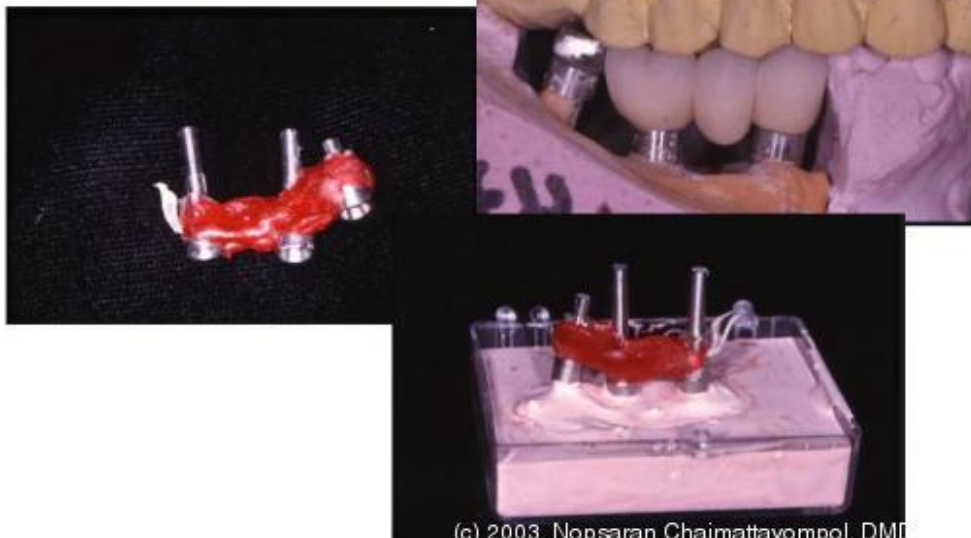


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48.

Cast Modification

Cast Modification

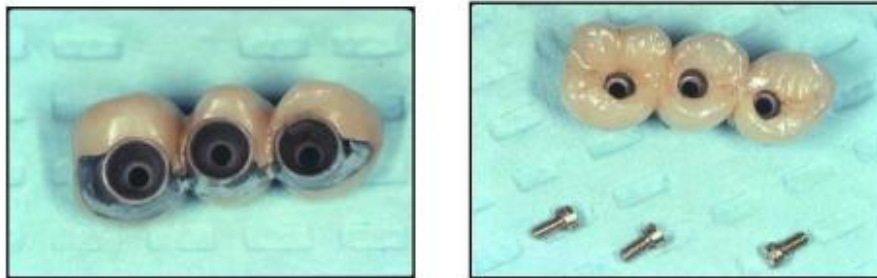


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Porcelain Application

Porcelain Application



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50.

Porcelain Try in

Porcelain Try in



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51.

Delivery

Delivery

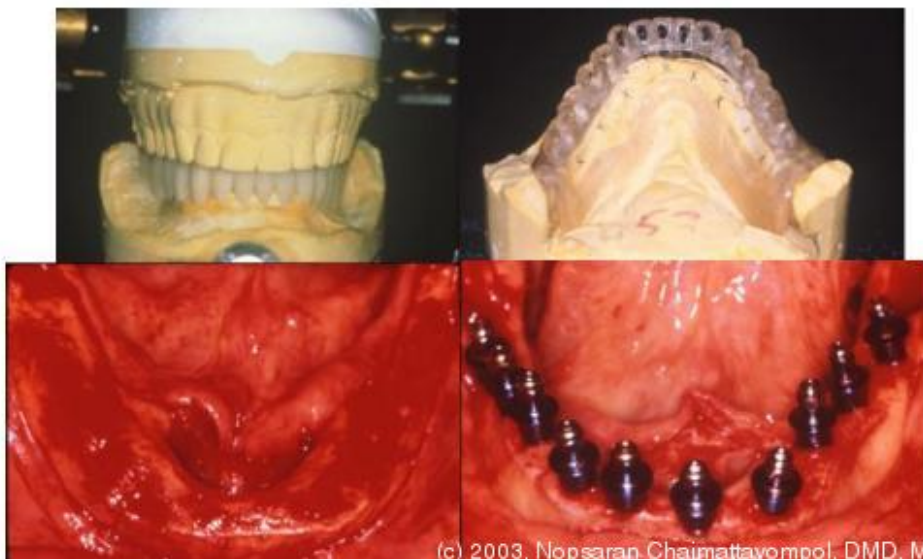


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52.

Complete Arch Implant Supported FPD

Complete Arch Implant Supported FPD



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53. Complete Arch Implant Supported FPD

Complete Arch Implant Supported FPD



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54. Complete Arch Implant Supported FPD

Complete Arch Implant Supported FPD



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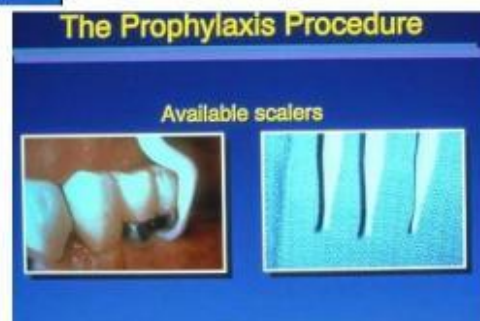
55. Complete Arch Implant Supported FPD

Complete Arch Implant Supported FPD



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57.

Complications

Complications



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