

Enter

Stage 3 | Prosthetic procedures

## Step 3

# Insertion of the final overdenture and patient instructions

# Prosthetic procedures

Step 3 | Insertion of the final overdenture and patient instructions

Overview



## Assessment and treatment planning

-  Step 1 | Patient's expectations, history and examination
-  Step 2 | Treatment planning
-  Step 3 | Consultation and consent
-  Step 4 | Fabrication of the surgical drill template

## Surgical procedures

-  Step 1 | Implant surgery
-  Step 2 | Post-operative review and suture removal

7–10 days

## Prosthetic procedures

-  Step 1 | Abutment insertion, modification and relining of a lower complete denture
-  Step 2 | Lab-side relining of a lower complete denture
-  Step 3 | Insertion of the final overdenture and patient instructions

6–8 weeks

## Aftercare and maintenance

-  Step 1 | Review visit
-  Step 2 | Maintenance visit

1 week

3–6 months  
(or as necessary)

 In clinic with patient     Office / Lab work



## Contents

<b>Introduction</b>	<b>4</b>
<b>Learning objectives</b>	<b>4</b>
<b>1. Try-in procedure</b>	<b>5</b>
1.1 Step-by-step – Insertion of a relined overdenture onto two LOCATOR® Abutments	<b>6</b>
1.2 Step-by-step – Insertion of a relined overdenture onto two Novaloc® Abutments	<b>8</b>
<b>2. Patient instructions</b>	<b>11</b>



## Introduction

This step follows the abutment insertion and modification of the lower complete denture into an overdenture. It details the fitting of the newly relined overdenture either immediately, if the relining was done by the chair-side, or the next day if the relining was done by the dental lab.

### Insertion of the overdenture involves:

1. Try-in procedure
2. Patient instructions

## Learning objectives

-  Be able to choose the correct LOCATOR® Replacement Males or Novaloc® Retention Inserts.
-  Be able to insert the LOCATOR® Replacement Males or Novaloc® Retention Inserts using the abutment specific tools.
-  Be able to check the overdenture fit and occlusion.
-  Be able to explain the patient instructions for maintenance of the overdenture and abutments.



# Prosthetic procedures

Step 3 | Insertion of the final overdenture and patient instructions

Try-in  
procedure



## 1. Try-in procedure

After having completed the chair-side modification and relining procedure up to the point of curing and finishing the denture base, or having received the relined overdenture from the dental technician, it is now ready for delivery to the patient.

The insertion procedure is dependent upon the type of abutment that has been inserted.



If you are working with  
LOCATOR® Abutments,  
please click here



If you are working with  
Novaloc® Abutments,  
please click here



## 1.1 Step-by-step – Insertion of a relined overdenture onto two LOCATOR® Abutments

[Video: Insertion of the final overdenture](#)



1. Clean the overdenture base.
2. Remove the black LOCATOR® Processing Males from the Denture Caps if not already done, e.g. in a lab-side relining procedure.

Clean the relined overdenture and remove the black LOCATOR® Processing Males if necessary.



3. Select and insert the LOCATOR® Replacement Males of the desired retention strength.

Choose and insert the LOCATOR® Replacement Males.

Use the middle part of the LOCATOR® Core Tool (also known as “male seating tool”) to insert the LOCATOR® Replacement Males into the empty Denture Caps.

Use the LOCATOR® Core Tool to insert the parts.

**Caution:** [LOCATOR®](#) Abutments can allow for up to a 20° divergence per implant or 40° divergence between two implants.

### Implant divergence up to 10° for a single implant

Color	Retention
blue	0.68 kg
pink	1.36 kg
clear	2.27 kg

### Implant divergence between 10° and 20° for a single implant

Color	Retention
gray	0.0 kg
red	0.45 kg
orange	0.91 kg
green	1.82 kg



## Prosthetic procedures

Step 3 | Insertion of the final overdenture and patient instructions

LOCATOR®  
Abutments



We recommend using the loosest Replacement Males first. This allows the patient to get used to the overdenture. If the patient feels that they are too loose, Replacement Males with a greater retention force may be used.

**⚠ Caution:** The LOCATOR® Core Tool has to be used to remove the LOCATOR® Replacement Males.



4. Check the occlusion.

We recommend to start with light retention force and exchange the Replacement Males if necessary.

LOCATOR® Replacement Males have to be removed with the LOCATOR® Core Tool.

Check the occlusion.

Continue with [➔ Patient instructions](#)



## 1.2 Step-by-step – Insertion of a relined overdenture onto two Novaloc® Abutments

### [Video: Insertion of the final overdenture](#)



1. Clean the overdenture base.

Clean the overdenture base.



2. Use the blue Novaloc® Demounting Tool for Mounting Inserts and Model Analog Reposition Aid.

Use the blue Novaloc® Demounting Tool for Mounting Inserts.



3. Insert the toe of this tool into the Novaloc® Mounting Insert.

Insert the toe into the Mounting Insert.



4. Tip the tool to the opposite side of the foot-shaped end and remove the Novaloc® Mounting Inserts from the Novaloc® Matrix Housings.

Tip in the opposite direction to remove the Mounting Inserts.

5. Choose the desired Novaloc® Retention Inserts.

Choose the appropriate Retention Inserts.

The straight  [Novaloc®](#) Abutment allows you to overcome up to 40° prosthetic divergence between two implants.



# Prosthetic procedures

Step 3 | Insertion of the final overdenture and patient instructions

Novaloc®  
Abutments



It is recommended to use the light retention force first (white). In case it feels too loose for the patient, exchange with Retention Inserts with a higher retention force.

We recommend to start with light retention force and exchange the Retention Inserts if necessary.

Retention insert color	Retention
● red, extra light	approx. 300 g
○ white, light	approx. 750 g
● yellow, medium	approx. 1200 g
● green, strong	approx. 1650 g
● blue, extra-strong	approx. 2100 g
● black, ultra-strong	approx. 2550 g



6. Pick up the selected Novaloc® Retention Inserts with the gripper end of the brown Novaloc® Mounting and Demounting Tool for Retention Inserts.

Use the brown Novaloc® Mounting and Demounting Tool for Retention Inserts to pick up the Retention Inserts.



7. The Novaloc® Retention Inserts will lock on to the tool.



8. Place the Novaloc® Retention Inserts into the Novaloc® Matrix Housings.

Place the Retention Inserts into the Matrix Housings.



# Prosthetic procedures

Step 3 | Insertion of the final overdenture and patient instructions

Novaloc®  
Abutments



9. The Novaloc® Retention Inserts will “click” into position.

“Click” the Retention Inserts into position.



## How to demount the Novaloc® Retention Inserts

- Apply the plunger end of the Novaloc® Mounting and Demounting Tool for Retention Inserts to the Novaloc® Retention Inserts and engage with light pressure.
- Remove the Novaloc® Retention Inserts from the Novaloc® Matrix Housings using a slight rotational movement.
- Use the special indentation in the handle of the Novaloc® Matrix Housing Extractor to remove the Novaloc® Retention Inserts from the Novaloc® Mounting and Demounting Tool with a tilting movement.

Instructions for demounting the Retention Inserts.



10. Check the occlusion.

Check the occlusion.



Continue with [➔ Patient instructions](#)



## 2. Patient instructions

Instruct the patient how to use his implant-supported overdenture.



- Train together with your patient how to remove and insert the overdenture.
- Stand in front of a mirror and show the patient how to handle their overdenture. Let them feel the “click”.
- The retention should be adjusted to the patient’s manual force.
- The patient has to be able to remove their overdenture autonomously.

**⚠ Caution:** Instruct the patient that they should never snap the overdenture onto the [LOCATOR®](#) or [Novaloc®](#) Abutments by closing the jaws by force, and that equal pressure should be applied on both sides of the overdenture when placing or removing the overdenture to avoid fractures.

Show the patient how to insert and remove the overdenture.

Have the patient practise with you in front of a mirror until they are comfortable.

Ensure the patient understands not to insert the overdenture by closing the jaws by force or with unequal pressure.



# Prosthetic procedures

Step 3 | Insertion of the final overdenture and patient instructions

Patient instructions



## Reinforce oral hygiene instructions with the patient.

Discuss oral hygiene devices and aids to clean around the implants and overdenture, such as:

### Abutments:



- Instruct the patient to clean the central groove of each LOCATOR® Abutment or the stud hole of each Novaloc® Abutment respectively with a bristle brush or a water pick.
- The patient should use soft toothbrushes and toothpaste to clean around the abutments.
- The water pick can also be used to clean the space between the abutments and the gum.

Discuss oral hygiene instructions regarding the abutments.

### Overdenture:



- Make sure that the patient is aware that the overdenture needs to be taken out for cleaning.
- The patient should use a brush to clean the overdenture.
- Instruct the patient to use only dishwashing liquid and water to clean the overdenture.
- The patient should ensure there is good light.
- If the patient wears glasses or contact lenses they should wear them.
- Encourage the patient to fill the sink with either water or a towel to avoid damage to the overdenture if it accidentally slips and falls into the sink.

Discuss oral hygiene instructions regarding the overdenture.

Arrange for a telephone call the day after delivery of the overdenture to check that everything is ok and arrange a follow-up visit in 1 week.

Call the patient the next day. Review the patient in 1 week.



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