



## CASE REPORT

# F.I.T.: TREATMENT OF SEVERE TOOTH WEAR

Dentist: **Ralph Steffanie**

# F.I.T.: TREATMENT OF SEVERE TOOTH WEAR

- Intake
- Digital Impressions
- Occlusal Height
- Mock-up
- Build-up with Gaenial Universal injectable
- Final Result
- Dentist and patient feedback



**Dentist:** Ralph Steffanie,  
Radboud University,  
Owner Tandartsenpraktijk Heel



**BEFORE**



**AFTER**

## INTAKE

- Male patient, 64 years old.
- No significant medical history.
- Desires “something done about wear before losing teeth”.



# DIGITAL IMPRESSIONS



## OCCLUSAL HEIGHT DETERMINED

- After establishing the bite, patient wore a splint at the new occlusal height for 3 weeks.
- Adjustment period was only 1 week.
- Subsequently, a digital mock-up was created.
- This was transferred into the mouth using a putty mould and provisional resin material.

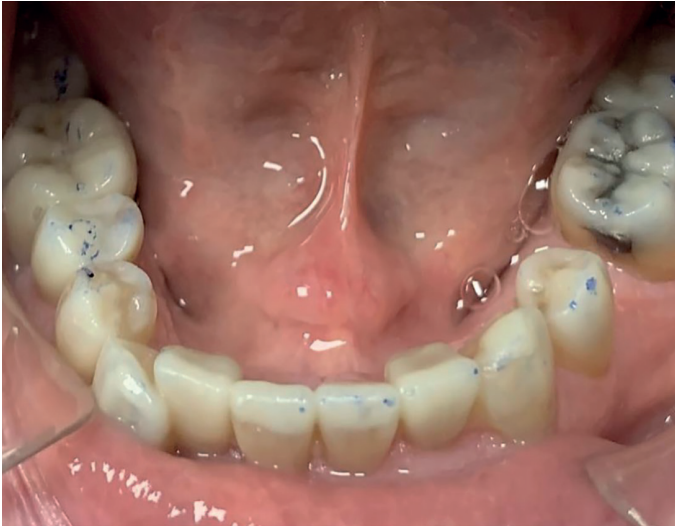


PUTTY MOULD

## DIGITAL MOCK-UP



# MOCK-UP WITHOUT ADHESION



OVER EXISTING AMALGAM

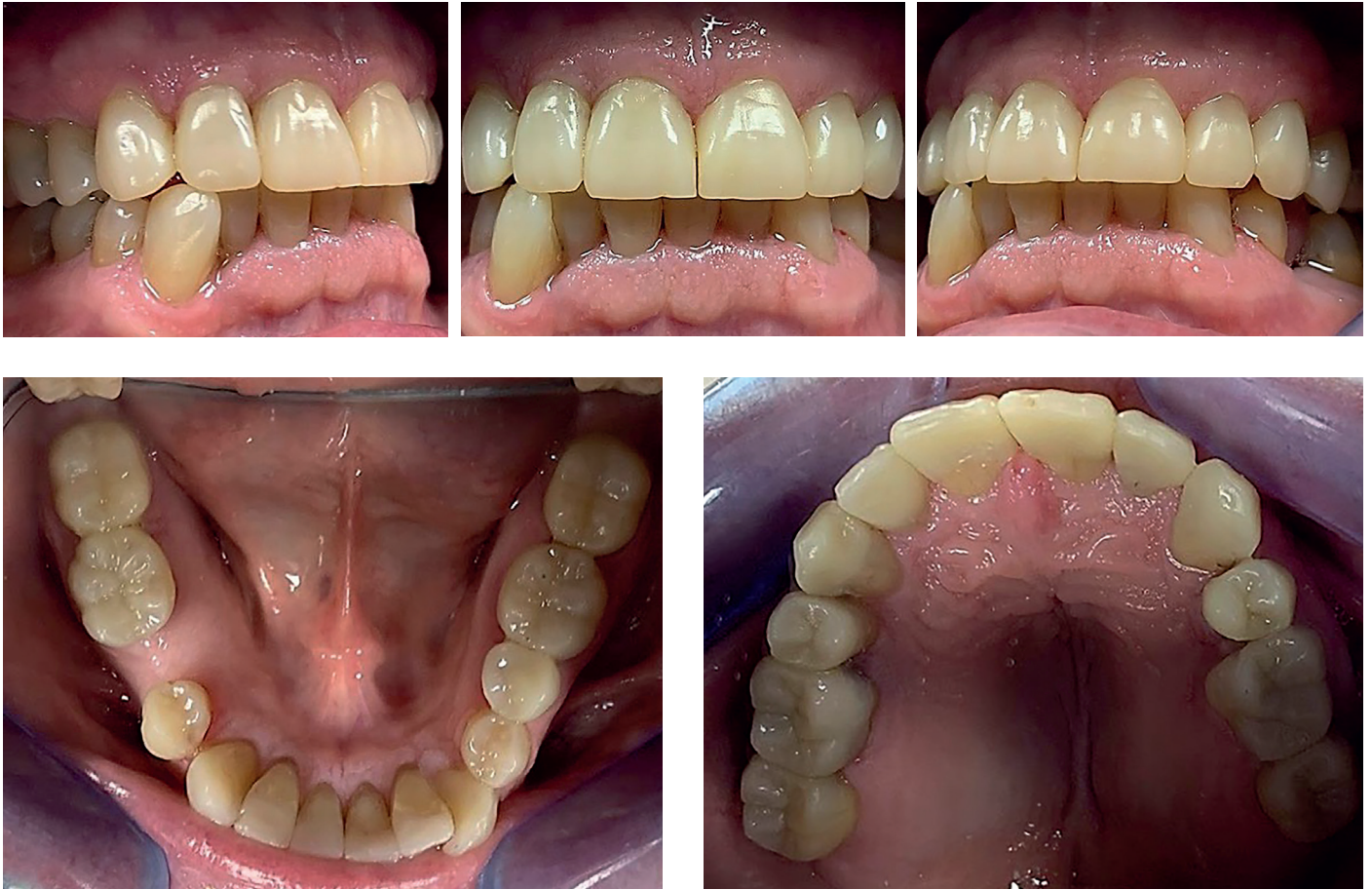
OCCCLUSION EVENLY DISTRIBUTED

## BUILD-UP WITH GAENIAL UNIVERSAL INJECTABLE

- Alternating digital models and transpa keys are made per zone (anterior and posterior left and right).
- Old amalgams are first replaced with composite.
- Teeth are separated using teflon.
- The treated tooth is etched and bonded.
- Placement of the transpa key and build-up of the tooth via injection technique, up to 3 at a time.



# FINAL RESULT



## DENTIST AND PATIENT FEEDBACK

### Dentist:

"We are thrilled with the results achieved through the FIT solution. Initially, I underwent the comprehensive FIT hands-on course, which provided invaluable insights into the procedure, along with expert tips and tricks."

For optimal outcomes, adequate treatment time should be allocated, particularly for full rehabilitations. Despite the primary indication being occlusal wear, the final results consistently boast remarkable aesthetic improvements, often a life-changing transformation for the patient."

### Patient:

"I was initially hesitant about undergoing a full rehabilitation treatment. However, upon learning about this minimally invasive technique from my dentist, I was persuaded and ultimately astounded by the outcome."

The treatment process was swift, straightforward, and surprisingly stress-free, it feels like a complete smile makeover."



## NOTES

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