



CASE REPORT

TRIO™
CLEAR

Dentist: **Dr. T.N. Kwee**

INTRODUCTION

As a restorative dentist I am often confronted with complex treatment planning decisions resulting from the following:

- Unesthetic position of the anterior dentition caused by crowding, TSD etc.
- Poor position of posterior abutments due to malocclusion
- Supra eruption and occlusal plane discrepancies.
- Mesial drift into edentulous areas.
- Collapse of the occlusal vertical dimension due to loss of posterior teeth.

In this case the main complaint was overall tooth wear and sensitivity due to malposition (Overjet and Class II) There was a group function due to this wear.

Previously, the solution for improving the position, alignment and shape of the teeth without traditional orthodontic treatment has been the application of veneers or crowns, both of which can damage tooth enamel and integrity, and have a limited lifespan. Now Aligner therapy is providing us the opportunity to align teeth and improve the occlusion before restoring them with TrioClear™ we aligned the elements to restore the occlusion in cooperation with F.I.T. Forma® Injection Technique. After TrioClear™, F.I.T. was used to improve the class II and to restore the length and function of the elements.



Dr. T.N. Kwee

Taco Kwee is a dental implantologist. He studied dentistry at Catholic University Nijmegen, where he graduated in 2004 at the age of 24. Since 2016, he has focused on reconstructive (restorative) dentistry in addition to implantology. He is currently in the final phase of his training as a Restorative Dentist NVVRT. Besides all this, Taco is a guest fellow at ACTA and a volunteer at the Kruispost in Amsterdam. There, he supervises dental students in performing consultations and extractions on undocumented people who do not have access to regular oral care.

Woman
40 YEARS

Tooth sensitivity
Cold/Warmth, Food
impaction

Pre-restorative
preparation
requirements

Enamel Erosion on all
elements

Crowding /
Malocclusion



DD DENTAL
Modern Dental Group



labocast
MODERN DENTAL GROUP



TREATMENT STARTING



TREATMENT PLAN



Staging

Step	Clinical Remind
1	Before wearing the aligner, please perform IPR on the teeth: [15-14: 0.5mm][14-13: 0.5mm][24-23: 0.4mm][25-24: 0.5mm] [26-25: 0.5mm]
6	Before wearing the aligner, please perform IPR on the teeth: [11-21: 0.4mm][22-21: 0.4mm][23-22: 0.3mm]
Others	<ul style="list-style-type: none"> * During orthodontic treatment, please check the tooth contact at any time and conduct IPR with a sand sheet if necessary. * When grinding the teeth, please ensure the mesial and distal side of the tooth are within the working range. * During orthodontic treatment, please check early if there is any occlusal interference and make adjustment. * When the contact of adjacent teeth is poor, please conduct IPR. Please perform IPR in the convex area of the mesial and distal surface.



BEFORE AND AFTER



BEFORE



AFTER



CONCLUSION

Midline correction

Aligned dental arches

Space created for restorations

Alignment with clear aligners in 6 months.
IPR in two stages in the upper jaw.
No attachments needed.



DENTIST AND PATIENT FEEDBACK

Dr. T.N.Kwee:

I used the clear aligners from TrioClear™ to align before performing the restorations. This is really a nice option because of the advantages of this aligner system.

"TrioClear™ offers invisible" orthodontics with many possibilities:

- Extra comfort by alternation of soft and hard aligners.
- Less attachments needed by large (gingival coverage)

If teeth straightening was required in the past, many adult patients were, and remain, resistant to traditional fixed-brace orthodontics.

With this system I can easily convince my patients of the option of pre-restorative alignment.

Patient:

When the Dr. proposed me this pre-restorative alignment, I was immediately convinced of the advantages of aligning before restoration.

Only by doing this my restorations would not only be esthetic but functional too and last longer.

I am very happy with the result and wearing clear aligners was so comfortable. Hardly no one noticed them, and cleaning and eating was easy because they are removable.

I can really recommend this to everyone.

