SCD

A Modern Dental Europe Company

COMPOSITE FORMA®-INJECTION TECHNIQUE (F.I.T.)

A complete package to treat tooth wear and erosion

"F.I.T. is SCD's new, unique solution to treat tooth wear in a quick, cheap, easy and efficient way. Importantly, it is a no-prep treatment solution."

How do you treat patients with tooth wear?

Treatment options on offer currently come with indirect solutions and a wide selection of available materials. This scenario demands tooth preparation and is not always feasible for every patient. **SCD aspires to providing solutions and now presents an alternative treatment option: the Composite Forma® Injection Technique, or F.I.T.**

In this technique, the direct flowable composite is used to gain a perfect, total rehabilitation. The composition of direct composite materials have recently undergone a spectacular development, resulting in an optimisation of both aesthetic and physical properties. Nowadays, direct composites are being offered as a flowable, injectable consistency which, thanks to nanotechnology, equals the physical properties of paste-composites. These injectable composites are wear-resistant, possess an adequate viscosity, with little shrinkage, and proper gloss retention. In other words: these composites can be used as a long term or final restoration material. In a later phase, ceramic restorations such as "table tops" and "facings" can also be considered.

Without a doubt, every dentist has patients who can be treated using the F.I.T. The alternating and full wax-up transparent silicone moulds, which SCD manufactures on top of the approved digital wax-up, ensure full control over the interproximal zones and a perfect occlusion. Creating the ideal morphology has never before been so easy. Whoever has already chosen an IOS will immediately find an interesting, new indication in the F.I.T!

The F.I.T.-kit gives you a one-stop shop feeling. As a solution provider, we deliver a complete package, with every tool and product necessary for this procedure.

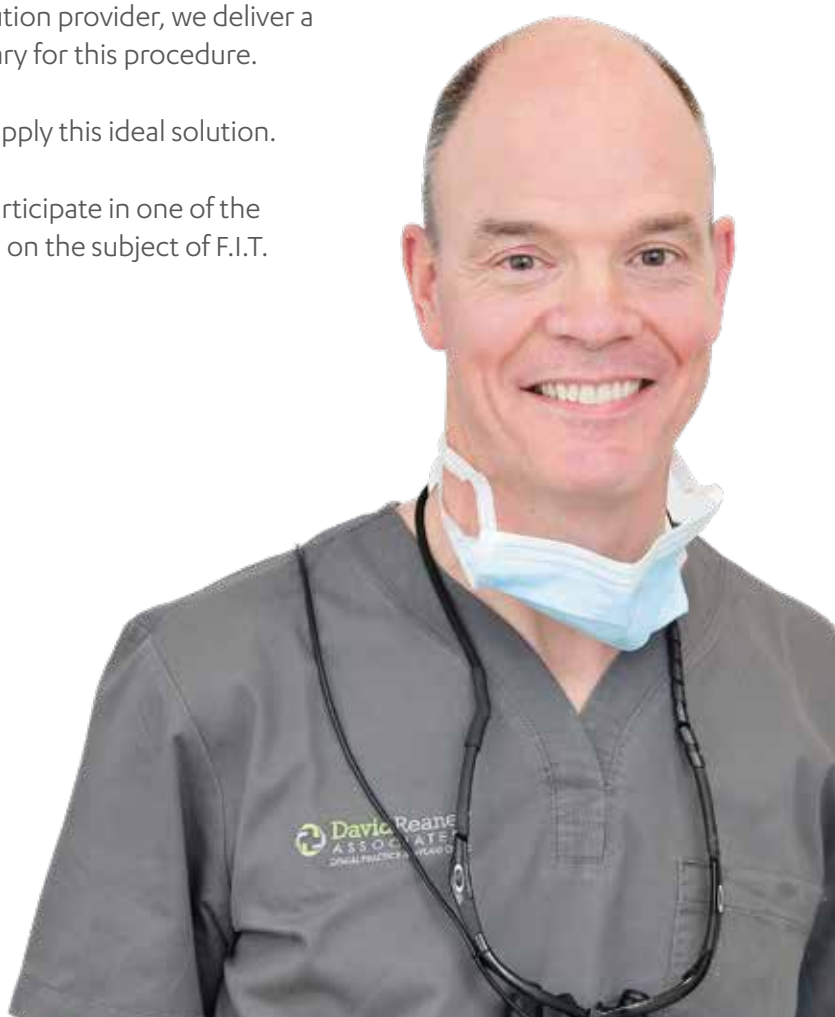
In the following pages, I will explain how you can easily apply this ideal solution.

Are you interested? Then, I would like to invite you to participate in one of the planned webinars or workshops. Additional information on the subject of F.I.T. education can be found on page 7.

Yours sincerely,

Dr David Reaney

Clinical Consultant - SCD



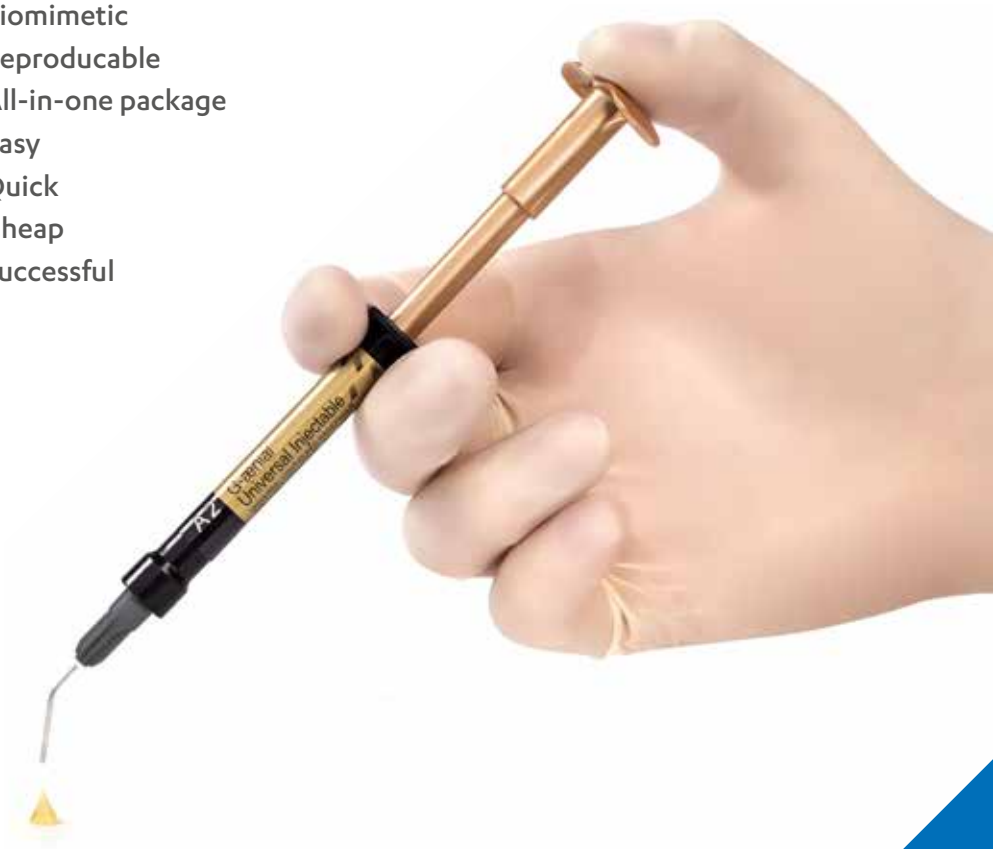
Before and after the F.I.T. treatment

Indications

- Occlusal tooth wear
- Incisal tooth wear
- Erosion
- Abrasion
- Attrition
- Bruxism
- Bulima Nervosa
- Trauma

Why choose F.I.T?

- Prepless (no aerosol)
- Minimally invasive
- Protection
- Transition period (potentially ceramics later)
- Repairable
- Aesthetic
- Biomimetic
- Reproducable
- All-in-one package
- Easy
- Quick
- Cheap
- Successful

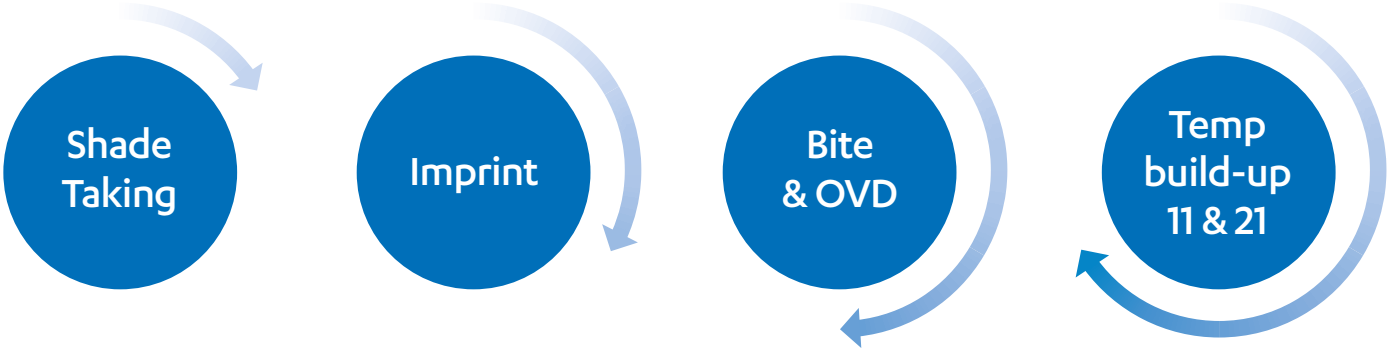


F.I.T. - THE DIGITAL WORKFLOW
PHASE 1

The initial presentation

The initial presentation of this case shows the total dental wear and erosion (Image 1). From this point, the digital workflow is set into motion to fully restore the teeth, using the Forma® Injection Technique procedure. **If you have an analogue impression, we will turn this into a digital file at the laboratory.**

Image 1



1 **Shade taking.**
(Image 2)

2 **Occlusal wear upper and lower arch. Ready for IOS scanning.**
(Images 3 & 4)

3 **Bite relation heightening OVD to restorative demands and aesthetic desires.**
(Images 5 & 6)

4 **IOS scans IOS scans of upper and lower arch with the MEDIT i500 or other intra-oral scanner.**
(Images 7 to 9)

5 **Provisional build length centrals + scanning.**
(Images 10 & 11)

Image 2

Image 3 Image 4

Image 5 Image 6

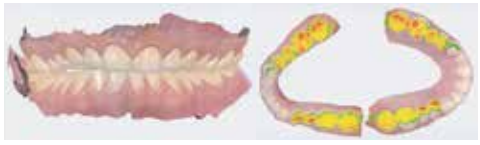


Image 8 Image 9

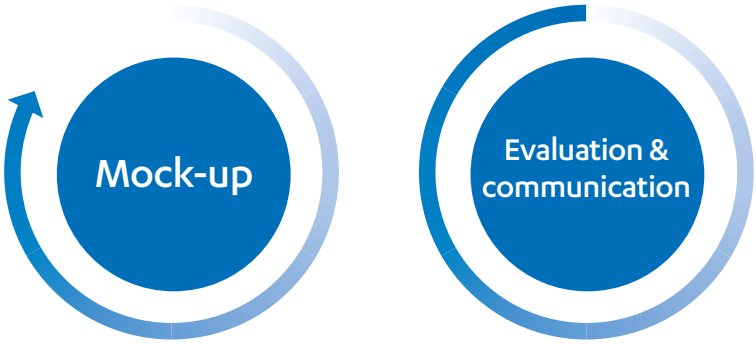
Image 10 Image 11

Image 7

F.I.T. - THE DIGITAL WORKFLOW
PHASE 2 (OPTIONAL)

Optional intermediate step

During the second phase of the Forma® Injection Technique, an optional mock-up and evaluation is discussed. This phase also leaves room for any adjustments or changes.



7 **Diagnostics using SCDView or SCD Smile Design.**
(Image 12)

8 **Digital wax-up by SCDView.**
(Image 13)

9 **After SCDView approval, a putty mould is prepared and delivered, along with provisional synthetic resin.**
(Image 14)

10 **Mock-up after using the putty mould.**
(Image 15)

11 **Scan the mock-up again after potential adjustments and send the files to SCD.**
(Image 16)

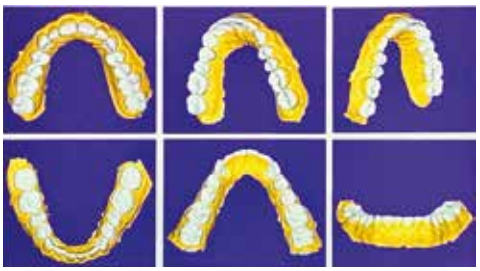


Image 12


Image 13


Image 14

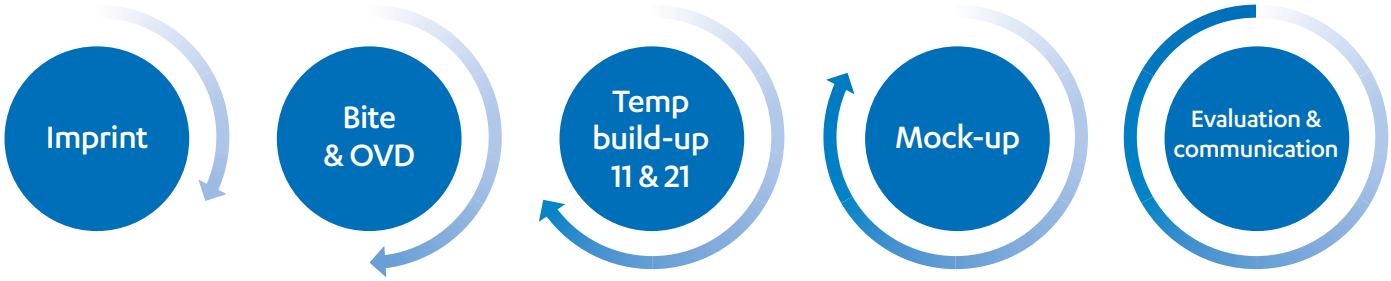

Image 15


Image 16

F.I.T. - THE DIGITAL WORKFLOW
PHASE 3

Injection and polishing

The injection phase is a step-by-step procedure. Afterwards, the restoration is polymerised, finished, and polished to ensure gloss retention over time.



12 **Upper arch model production.**
(Images 17 & 18)

13 **Lower arch model production.**
(Images 19 & 20)

14 **Creation of full and alternate wax-up model.**
(Images 21 & 22)

15 **Full and alternating 3D printed models of the upper arch**
(Images 23 & 24)

16 **Full and alternating 3D printed models of the lower arch.**
(Images 25 & 26)

17 **Transparent moulds with injection channels.**
(Images 27 & 28)

18 **Step-by-step injection posterior U (same for L).**
(Images 29 to 32)

19 **Step-by-step injection anterior U (same for L).**
(Images 33 & 34)


Image 17 Image 18

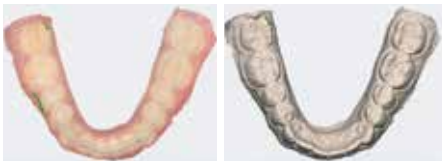


Image 19 Image 20

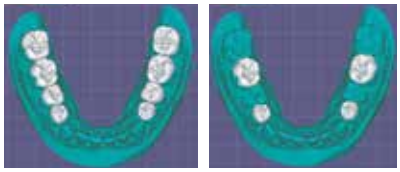


Image 21 Image 22


Image 23 Image 24


Image 25 Image 26


Image 27 Image 28


Image 29


Image 31


Image 30


Image 32


Image 33


Image 34

20 **Situation after injection, proceed to finish and polish.**
(Images 35 & 36)

21 **Upper arch, before and after F.I.T. treatment.**
(Images 37 & 38)

22 **Frontal and lateral view after treatment.**
(Images 39 & 40)

23 **End result. Before and after the F.I.T. treatment.**
(Images 41 & 42)

Image 35

Image 36

Image 37

Image 38

Image 39

Image 40

Image 41

Image 42

Images: TDS Pieter-Jan Swerts o.l.v. Prof. Dr. Marleen Peumans, KU Leuven

FORMA® INJECTION TECHNIQUE

Education

Webinars and Courses

We regularly hold F.I.T. webinars and online Training Courses and if you would like further information please email **ireland@scdlab.ie**

FORMA® - INJECTION TECHNIQUE

One complete package

Starting at
€360

*For anterior rehabilitation of single arch, excluding try in.

Contents of the F.I.T. package:

- SCDView diagnostics
- Putty mould full wax-up for mock-up
- Provisional resin in cartridge for mock-up
- 3D printed models, full & alternate
- Transparent injection moulds
- Direct injectable composite syringes in the correct shade
- Teflon tape for tooth isolation and separation
- Metal strips for finishing the interproximal areas
- Polishing rubbers for finishing and polishing of the composite

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