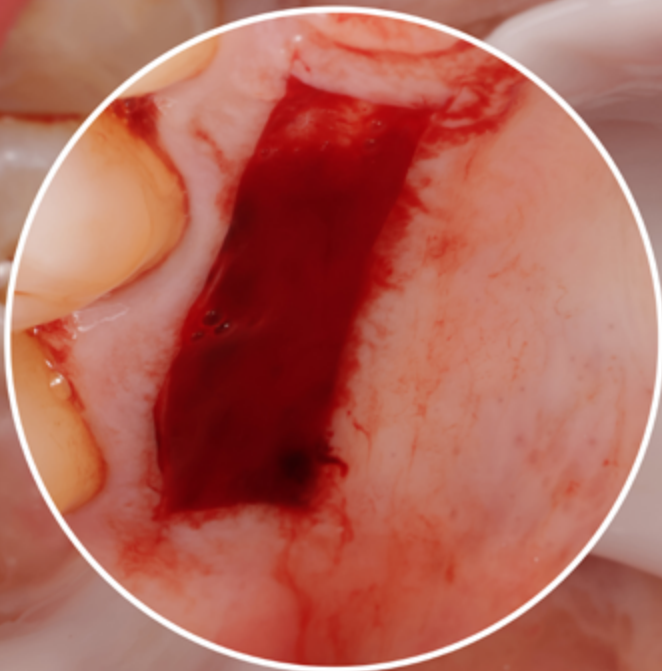


# Introduction to Elemental stents.



watch videos and  
cases to get started

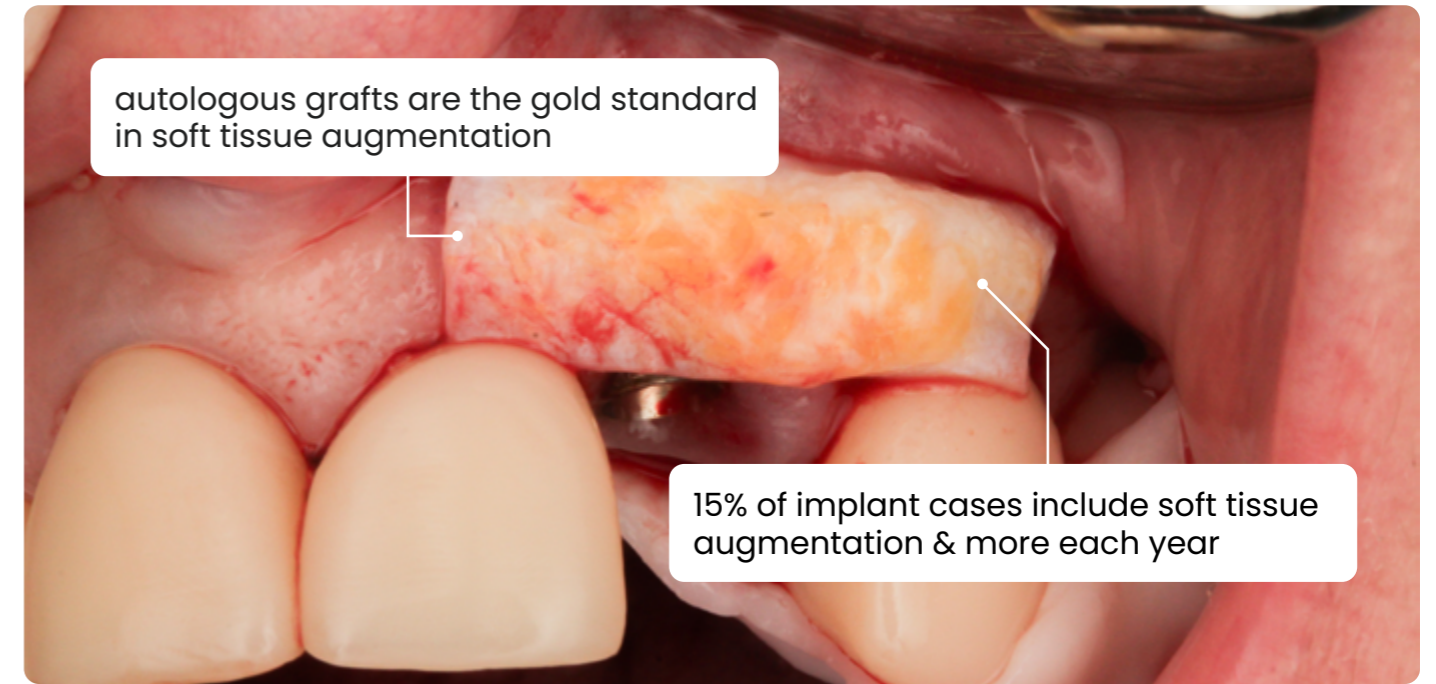


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3	Why we developed the Elemental Workflow
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## Why we developed the Elemental Workflow

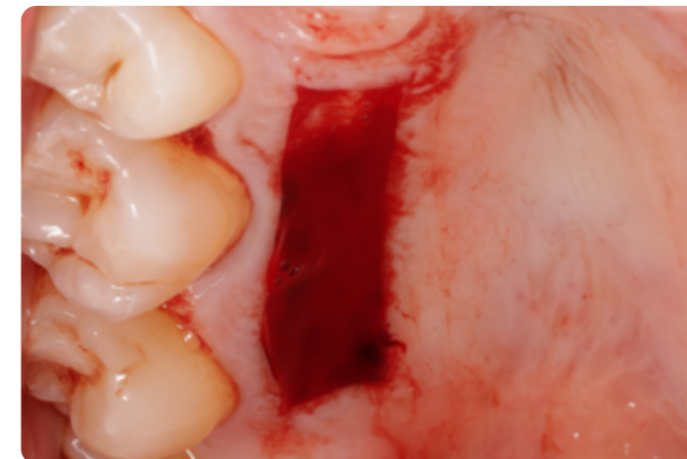
Soft-tissue augmentations grow in importance & prevalence



## So it's time to make palatal grafting great again

**No suturing for clinicians<sup>1</sup>**

**No pain for patients<sup>1</sup>**

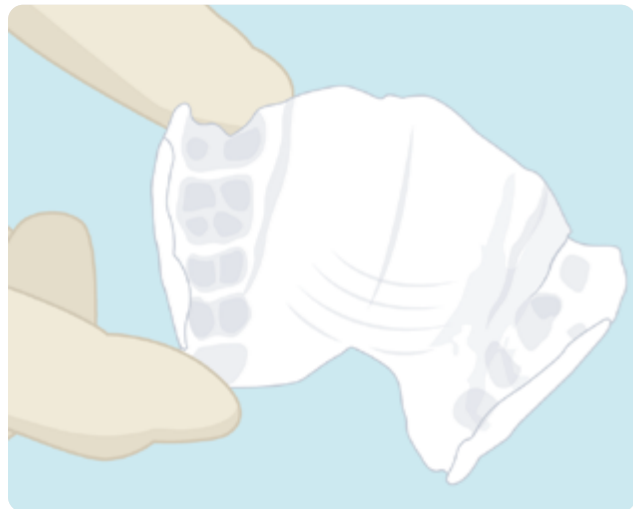


*(1) Pre-operative, chair-side Zn-containing surgical stents affect morbidity and wound healing after free gingival graft harvesting: a randomized clinical trial*

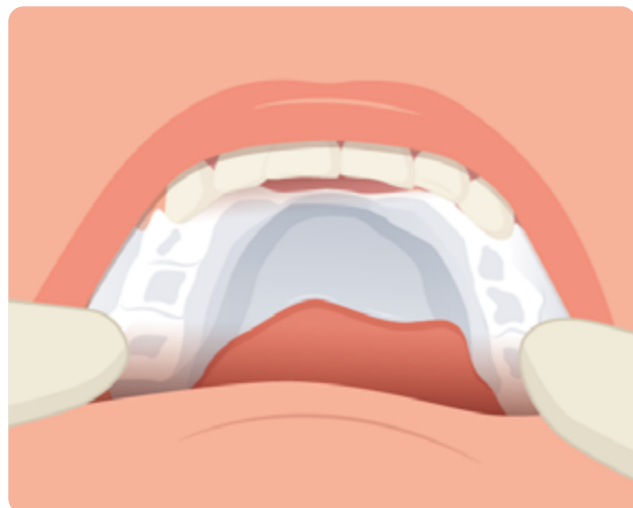
# Elemental PerioPlast®: a treatment concept for palatal protection



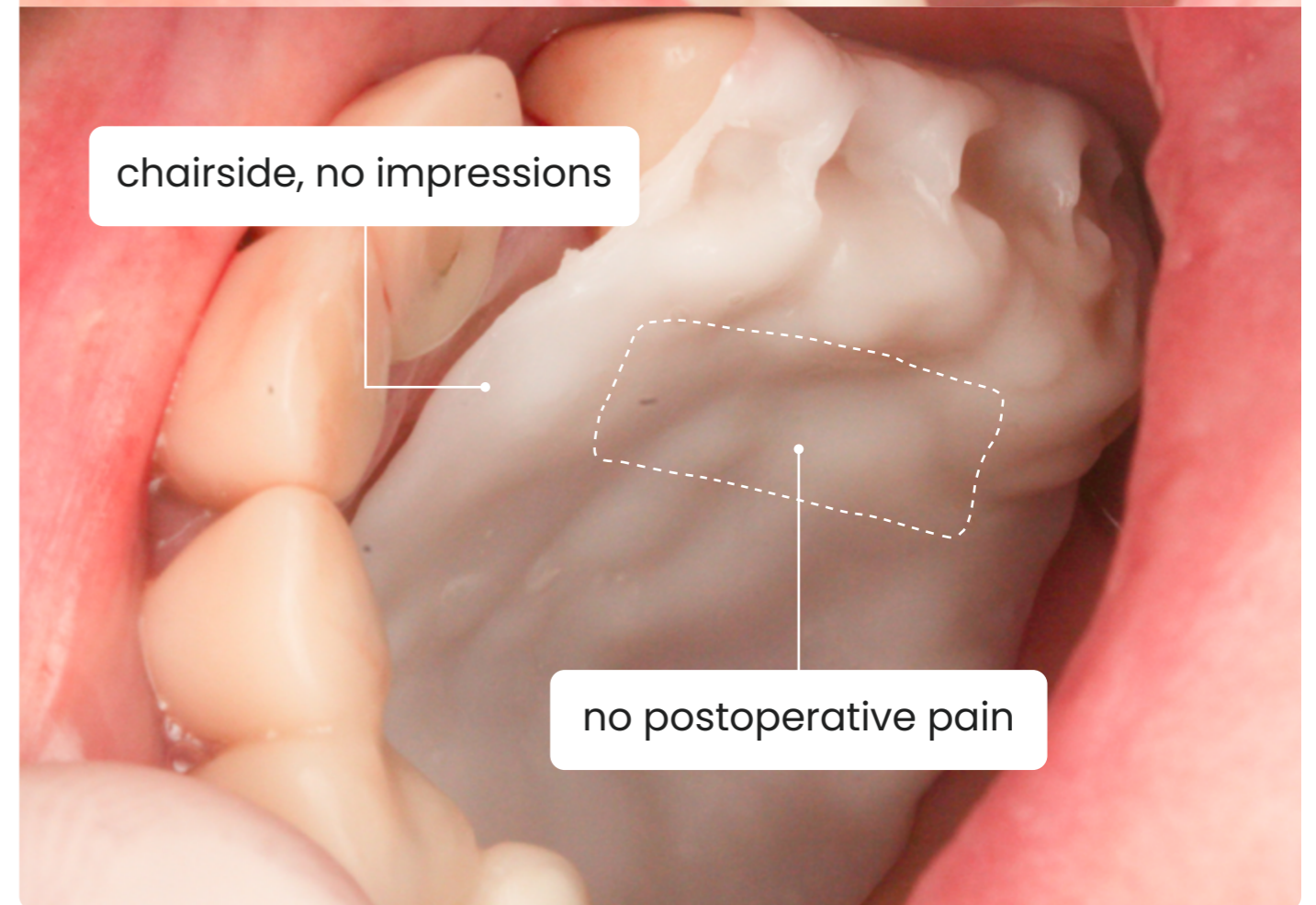
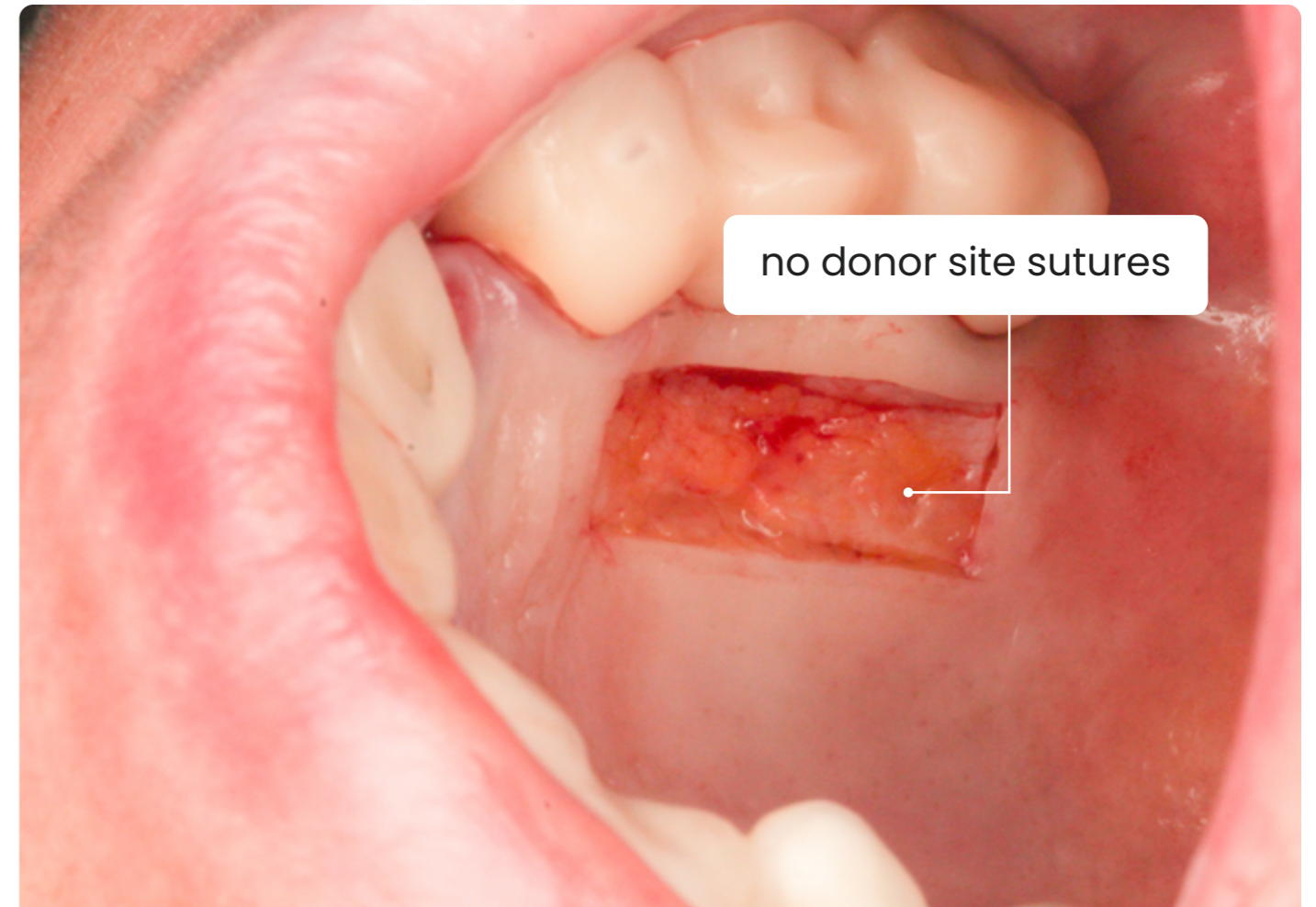
1 a zinc-containing material



2 to make a stent



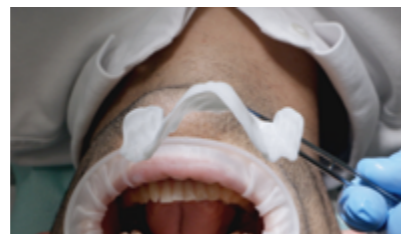
3 that protects the palate after harvesting soft tissue



# How does it work?



SCAN TO WATCH



 Video: introduction to Elemental



- 1 Heat Elemental PerioPlast® in 90°C water.  
🕒 20 seconds

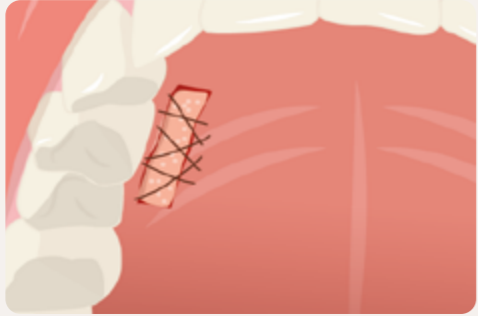
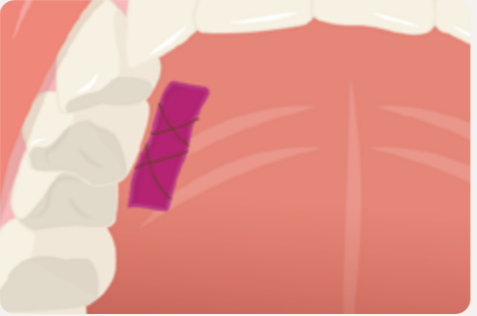




- 2 Mould it directly on the palate.  
🕒 50 seconds



- 3 Let it set in-situ until regained solid form.  
🕒 1 minute

# Comparing Elemental stents with conventional techniques

	 Collagen & suturing	  Cyanoacrylate dressing      Lab stent	 elemental® Elemental stent	
patient experience	painful	unpredictable & inconvenient	extra visit	minimal postoperative pain
surgical experience	frustrating to suture donor site	frustrating to suture donor site, brittle material	need to pre-plan	no suturing on donor site
time & cost	extra chair time (avg. 12min.)	extra chair time (avg. 12min.)	extra visit for impression + lab bill	fastest & most affordable
predictable healing	postoperative bleeding risk	average	decent	fastest re-epithelialization

## Why Prof. Dr. Andy Temmerman switched to Elemental PerioPlast® to protect the palate

### most comfortable for the patient

- no pain
- no postoperative bleeding



### fastest & smoothest workflow

- no suturing on palate
- easy to apply



### very time- and cost effective

- chairside: no lab bills
- no surgical time on palate



“Elemental dramatically reduces the surgical time and the postoperative discomfort for our patients.”



scan to watch the video

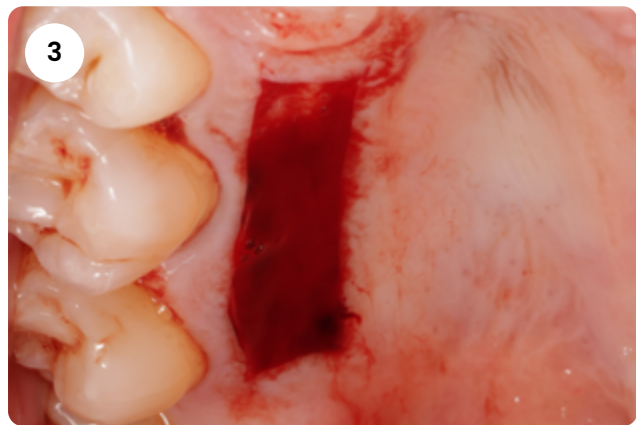
# The clinical workflow



1 Make the stent chairside right before the surgery.



2 Prepare the recipient site.



3 Harvest the graft.



4 Place the stent immediately after harvesting the graft, without suturing the donor site.



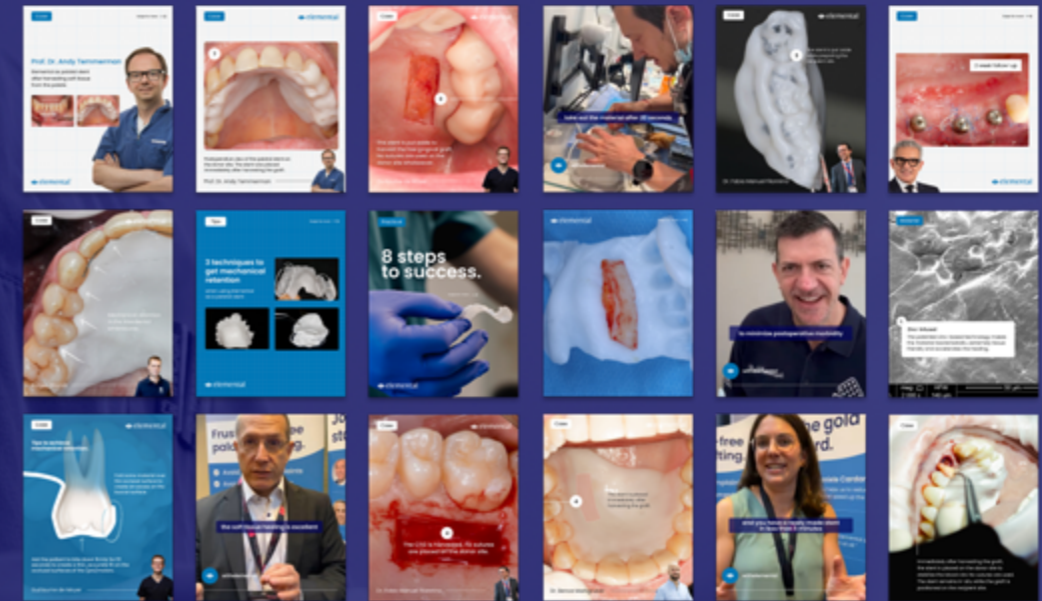
5 Place & stabilize the graft.



6 Patients wears the stent 5 days. First 24h non-stop, then take out to clean.

## Follow us on Instagram!

Weekly tips, tricks and cases from world-renowned perio-implantologists.



[instagram.com/withelemental](https://www.instagram.com/withelemental)



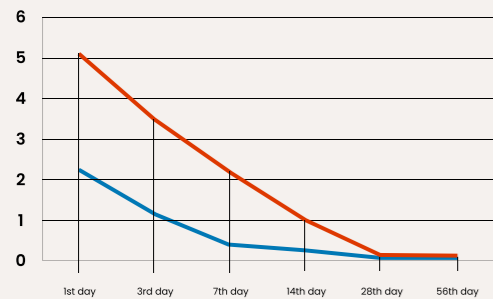
Questions? We're always available to chat.

# Scientific evidence



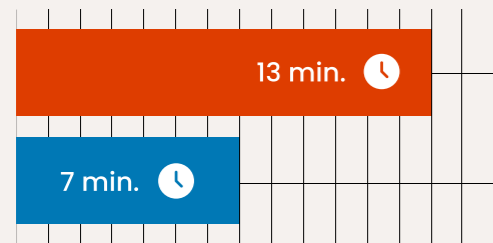
## Pre-operative, chair-side Zn-containing surgical stents affect morbidity and wound healing after free gingival graft harvesting: a randomized clinical trial

Alkaya B, Kayhan HG, Temmerman A, Haytac MC, Teughels W. Clin Oral Investigations, 2023



## No postoperative pain

The results show that using Zn-containing palatal stent (Elemental) after free gingival graft surgery significantly reduces pain and patient morbidity during the postoperative period.



## Less surgical time on donor site

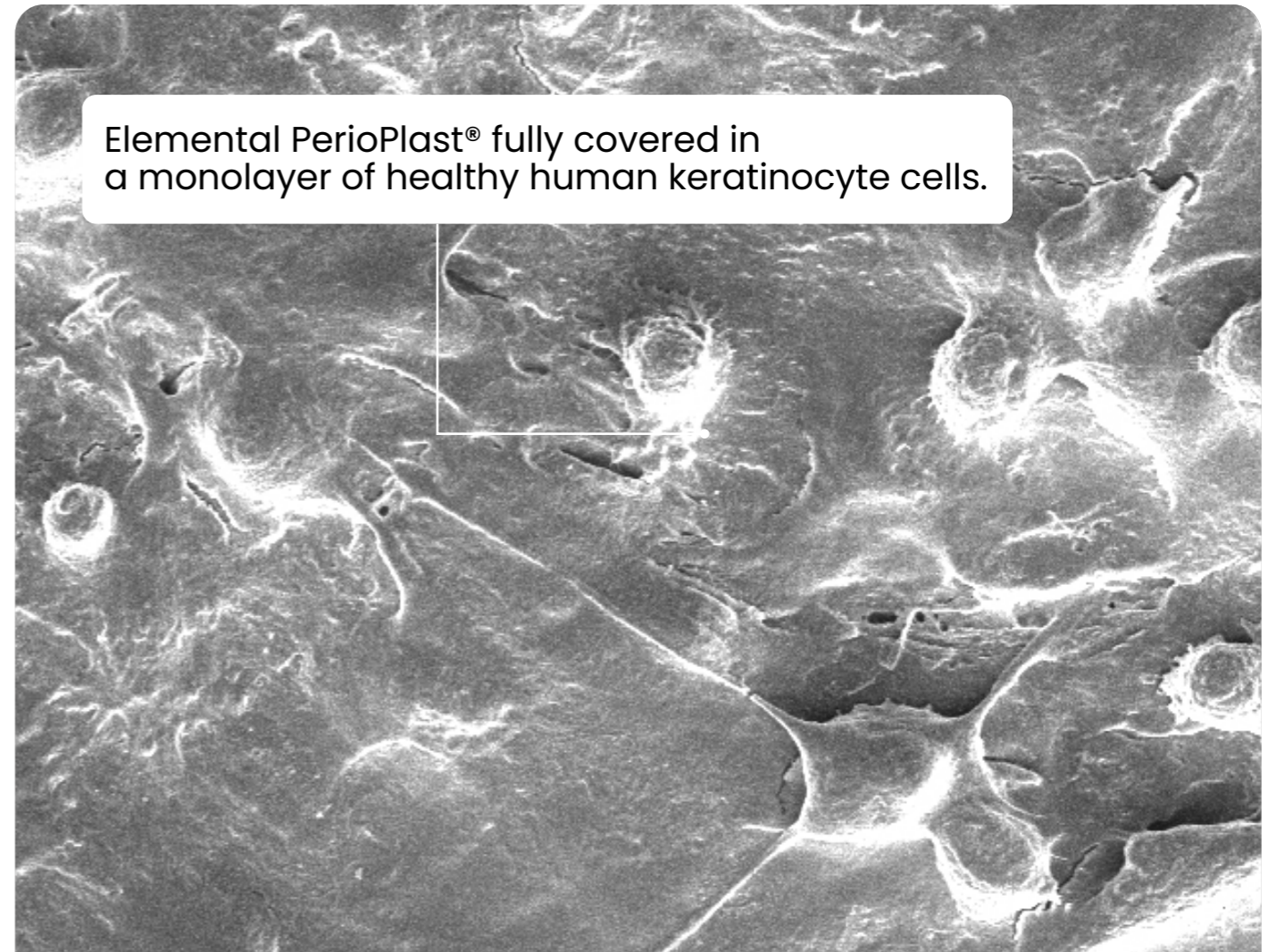
The patients in the Zn-S group (Elemental) had a considerably shorter overall surgical time and donor site surgical time than the haemostatic agent + suturing group.



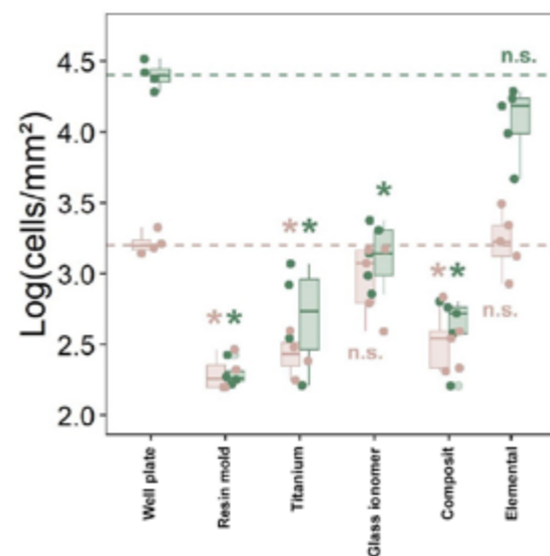
*“The study shows that Elemental minimizes pain, saves surgical time, and leads to spectacular healing.”*

Prof. Dr. Wim Teughels

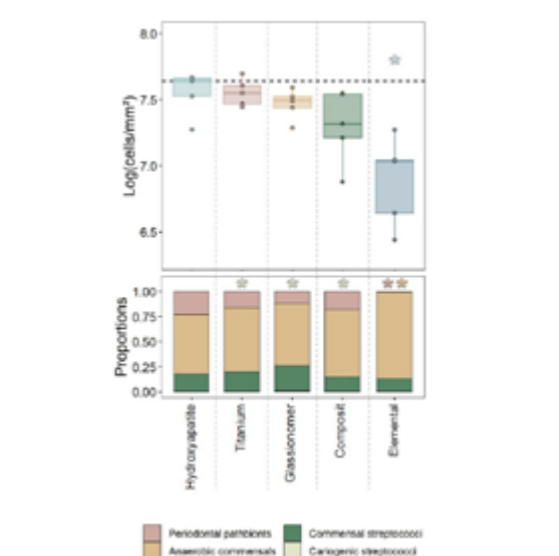
Elemental PerioPlast® fully covered in a monolayer of healthy human keratinocyte cells.



## excellent biocompatibility



## bacteriostatic properties

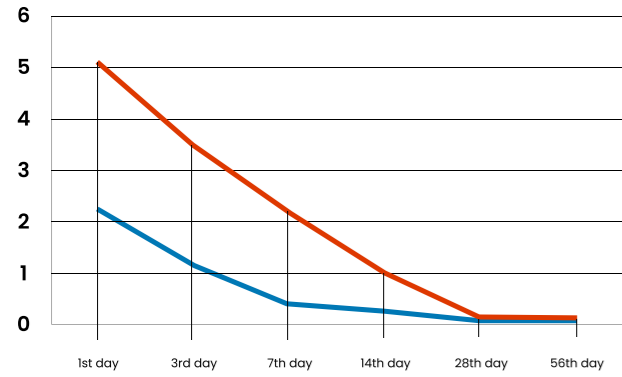


15 kV det ETD mode SE WD 4.5 mm mag 2 000 x HFW 149 μm



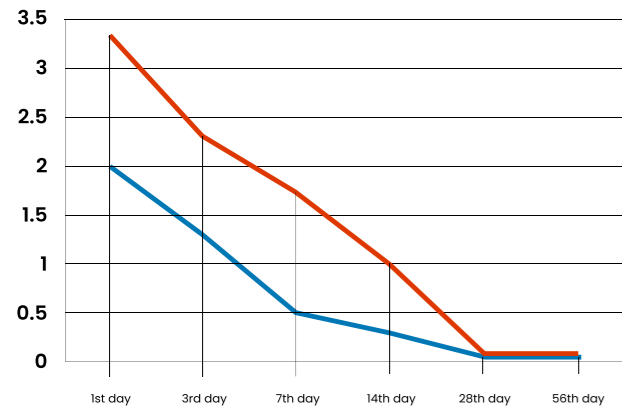
# Why patients love Elemental

## Haemostatic agent & sutures Elemental palatal stent



### Less postoperative pain

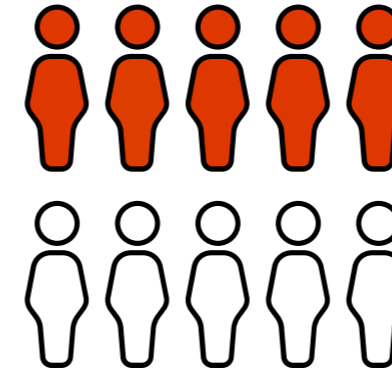
Elemental stents significantly reduce postoperative pain and morbidity.



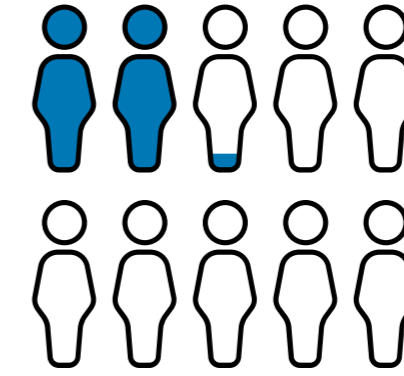
### Less burning sensation

Patients experience less burning sensation on the palate.

## Haemostatic agent & sutures

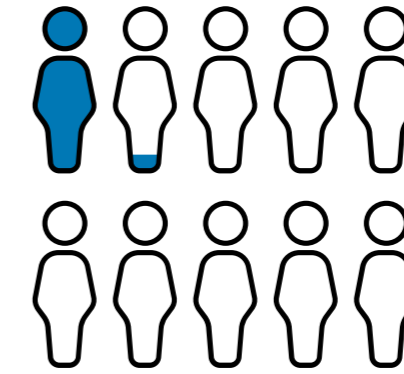
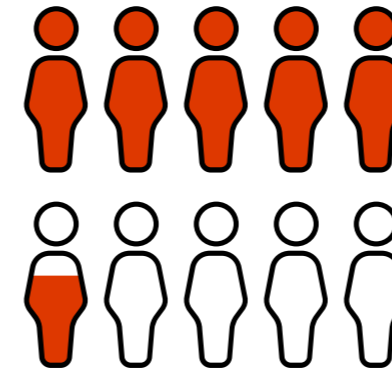


## Elemental palatal stent



### Less impact on eating

Patients experience less dietary changes 24 hours post surgery.



### Less delayed bleeding

Patients experience less delayed bleeding 24 hours post surgery.



### Pain-free donor site management

*“Since we use Elemental, patients don’t even notice the donor site anymore.”*

Rutger Dhondt, periodontist & implantologist



### No patient complaints

*“Patients don’t complain about pain anymore. We’re more proud of the care we can provide since using Elemental.”*

Marie-France Baetens, dental assistant

## Postoperative instructions



1

### First 24h after surgery

Wear non-stop to stabilize the blood clot.



2

### Day 2-4

You may remove the stent to clean it, eat or rinse.



3

### From day 5

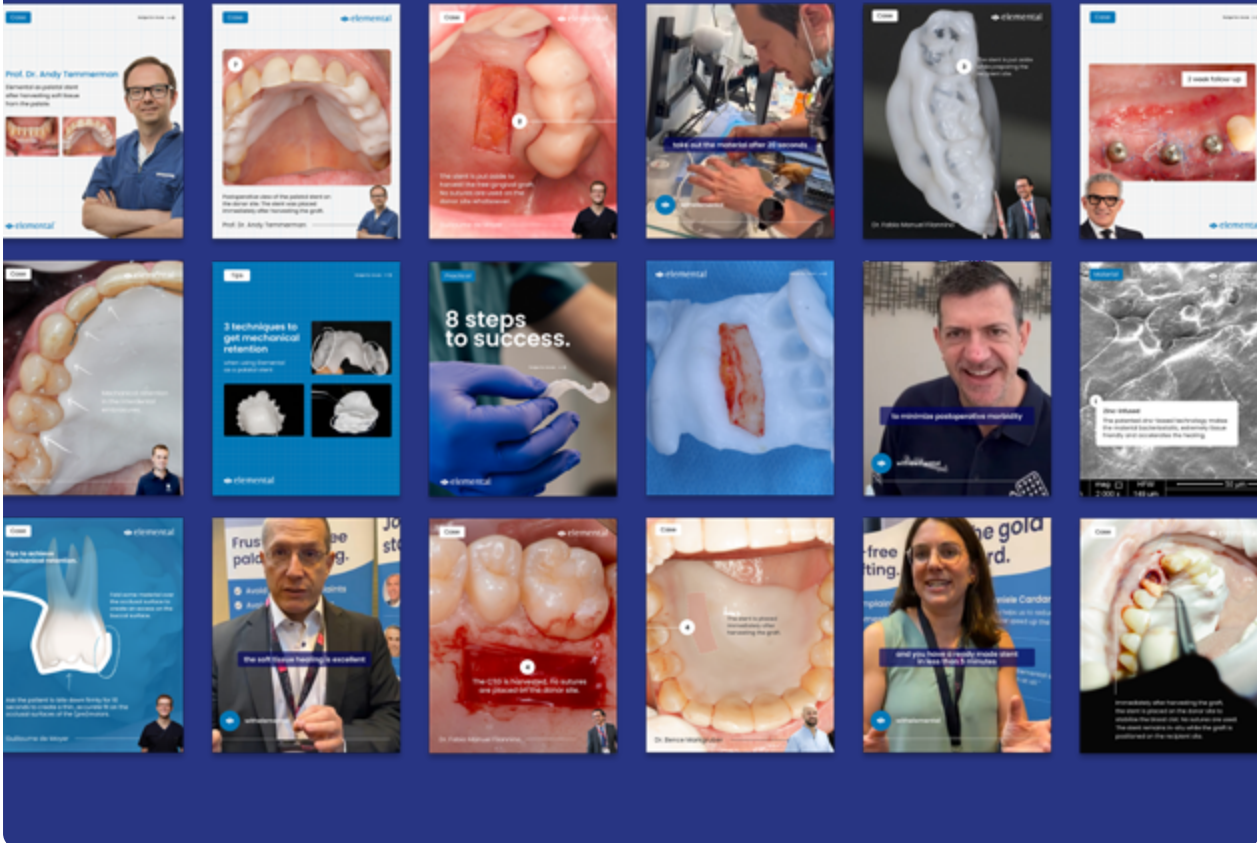
No pain?  
You can take the stent out.

## Follow us on Instagram!

Weekly tips, tricks and cases from world-renowned perio-implantologists.



[instagram.com/withelemental](https://www.instagram.com/withelemental)



### Also see



Introduction to Elemental Stents.



3 key handlings to practice.



Surgical tips & cases from the Experts.



Set-up & practical info for assistants.



support: contact us at +32 470 25 58 58 (WhatsApp)