

Introduction to Elemental stents.



watch videos and
cases to get started

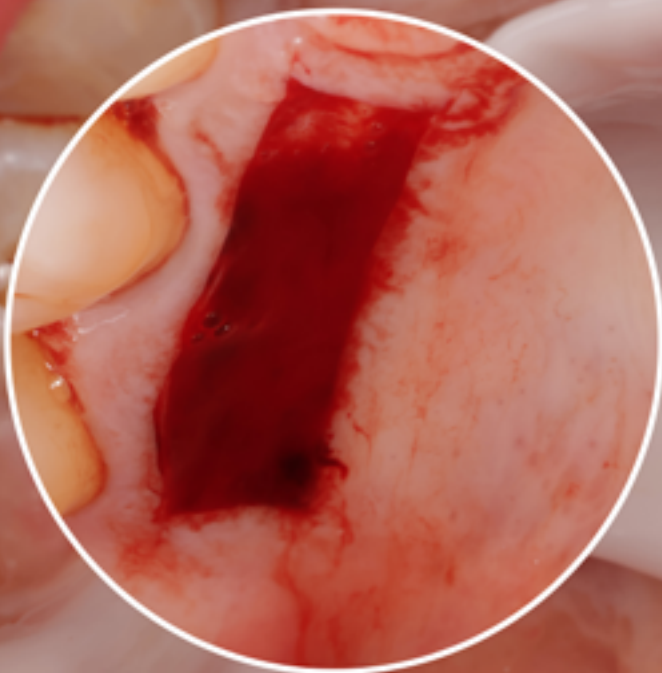
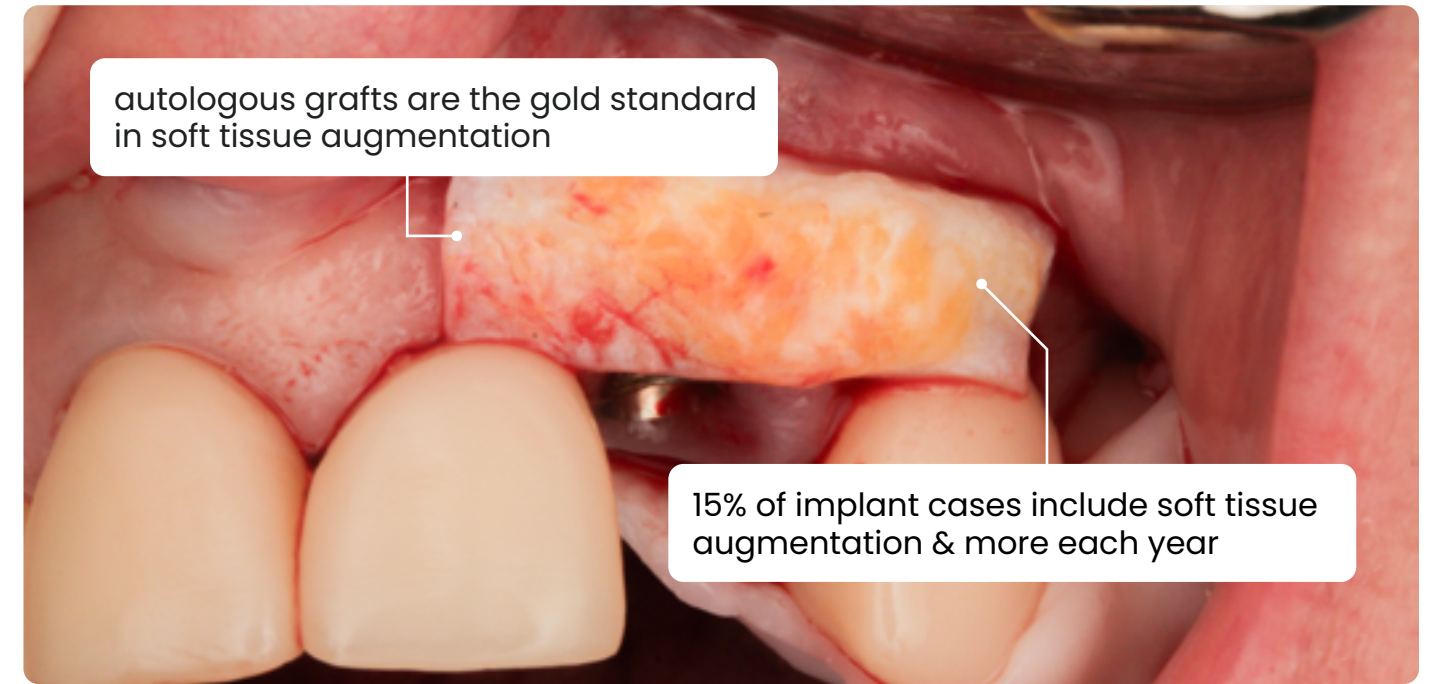


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Why we developed the Elemental Workflow

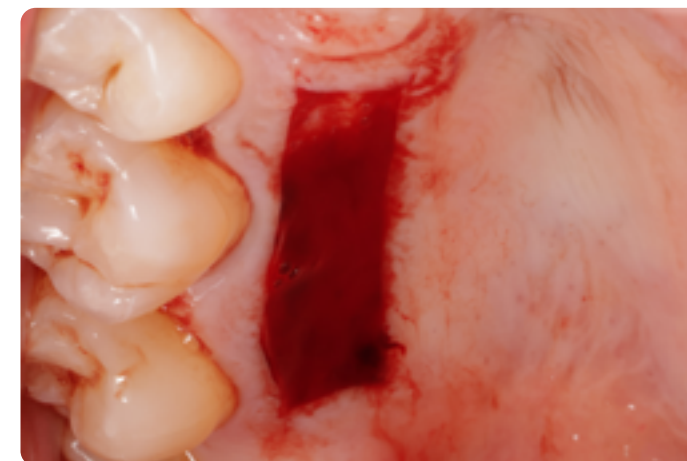
Soft-tissue augmentations grow in importance & prevalence



So it's time to make palatal grafting great again

No suturing for clinicians¹

No pain for patients¹

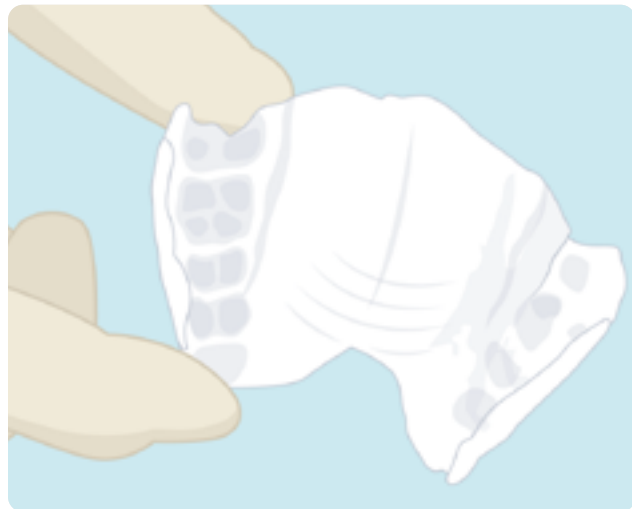


(1) Pre-operative, chair-side Zn-containing surgical stents affect morbidity and wound healing after free gingival graft harvesting: a randomized clinical trial

Elemental PerioPlast®: a treatment concept for palatal protection



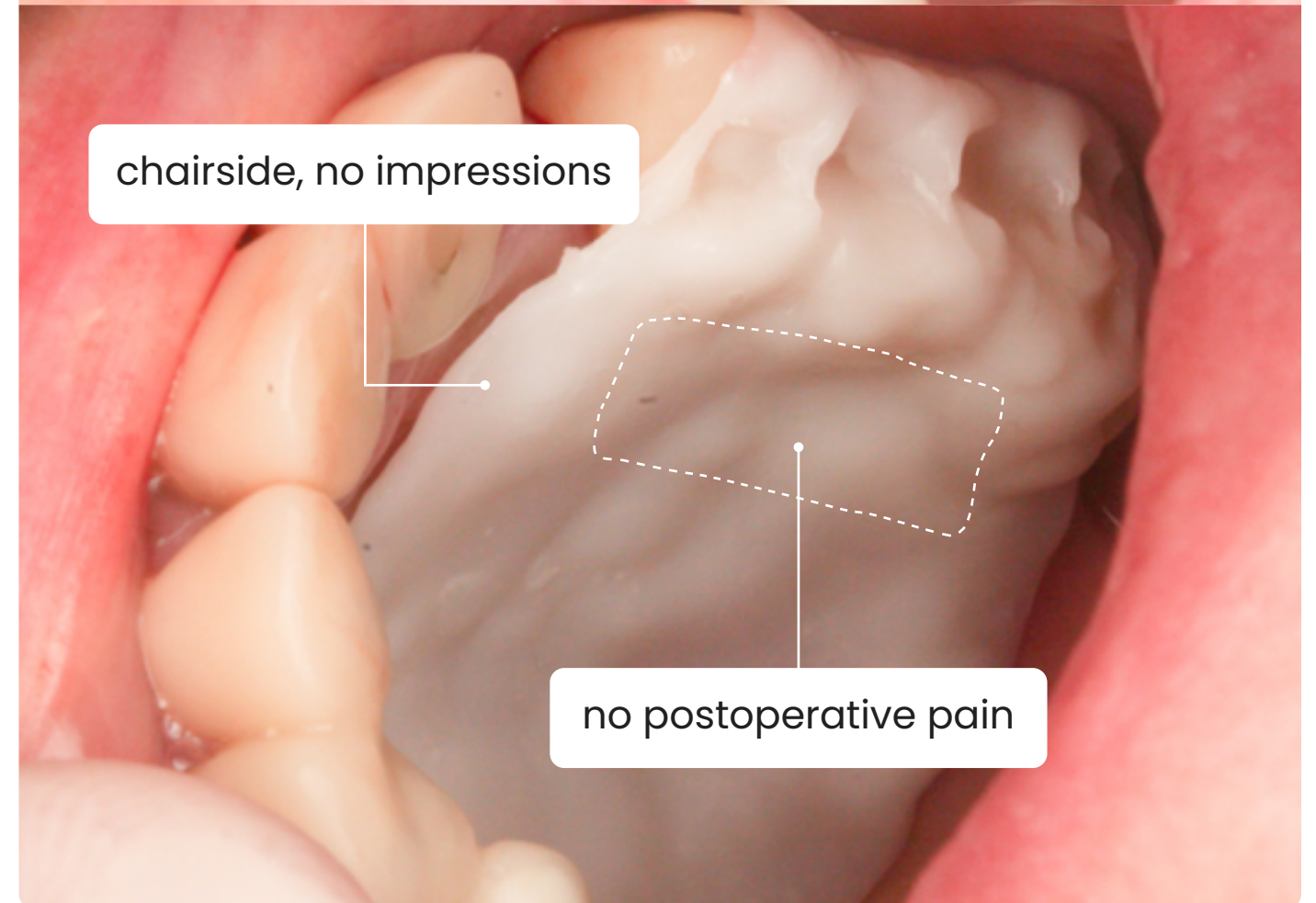
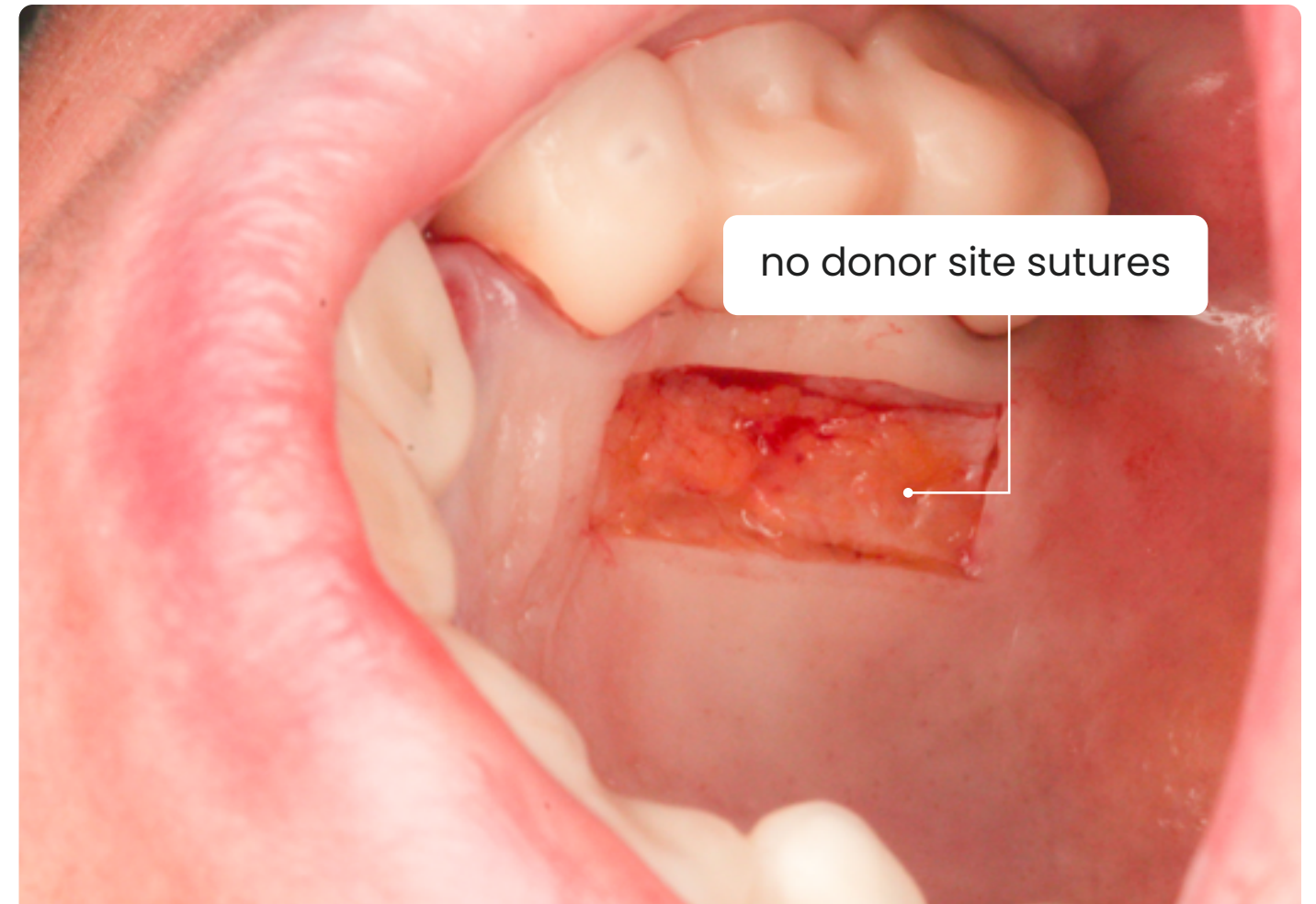
1 a zinc-containing material



2 to make a stent



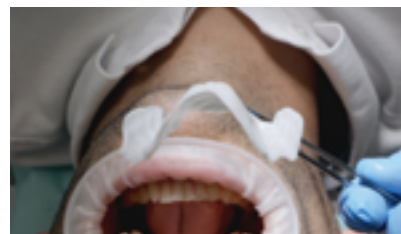
3 that protects the palate after harvesting soft tissue



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

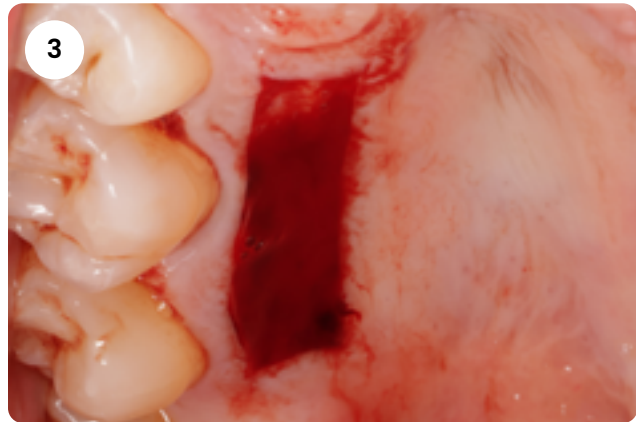
The clinical workflow



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.



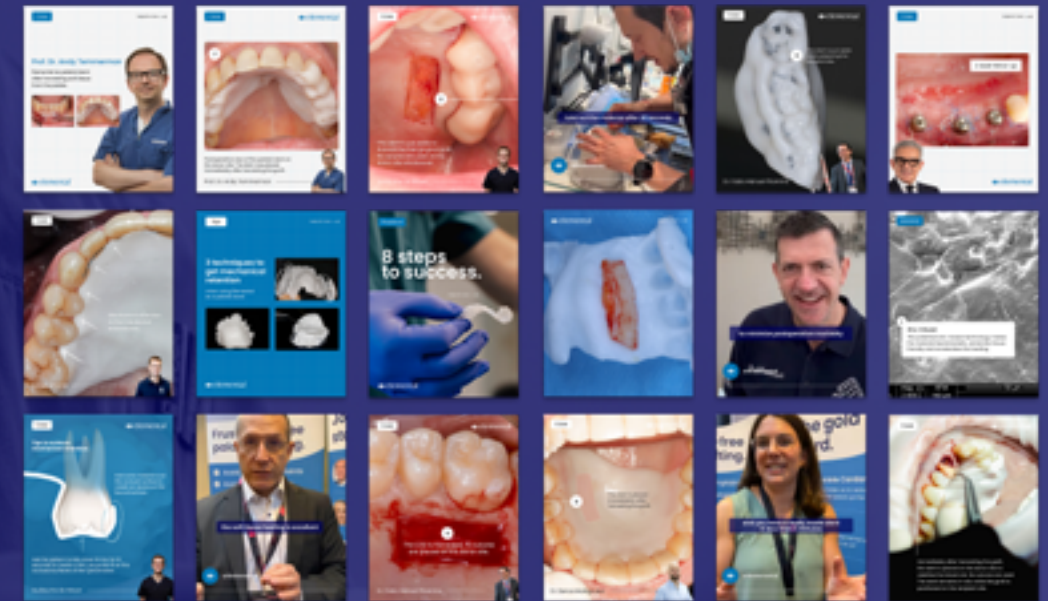
5 Place & stabilize the graft.



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)



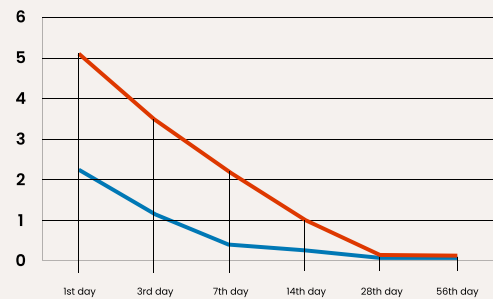
Questions? We're always available to chat.

Scientific evidence



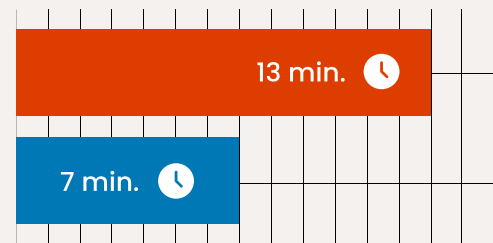
Pre-operative, chair-side Zn-containing surgical stents affect morbidity and wound healing after free gingival graft harvesting: a randomized clinical trial

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.



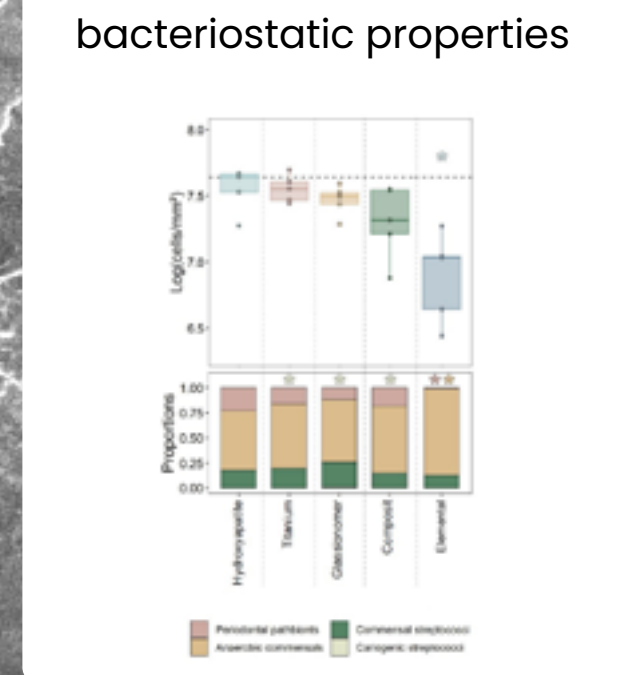
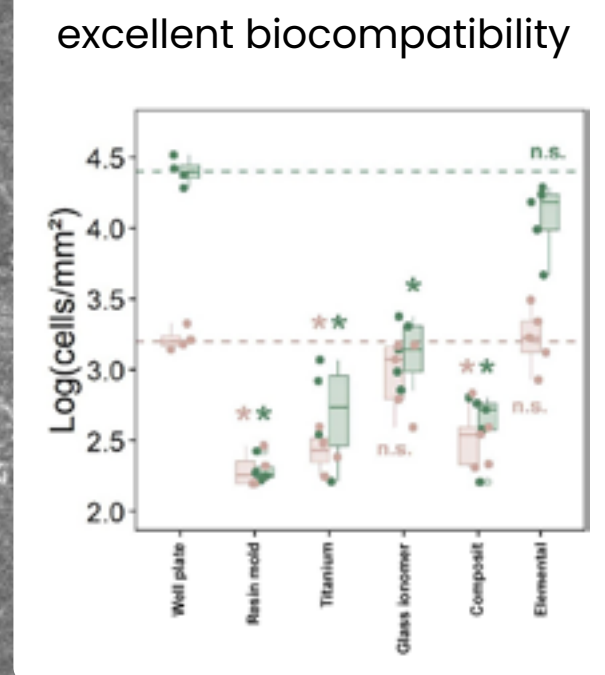
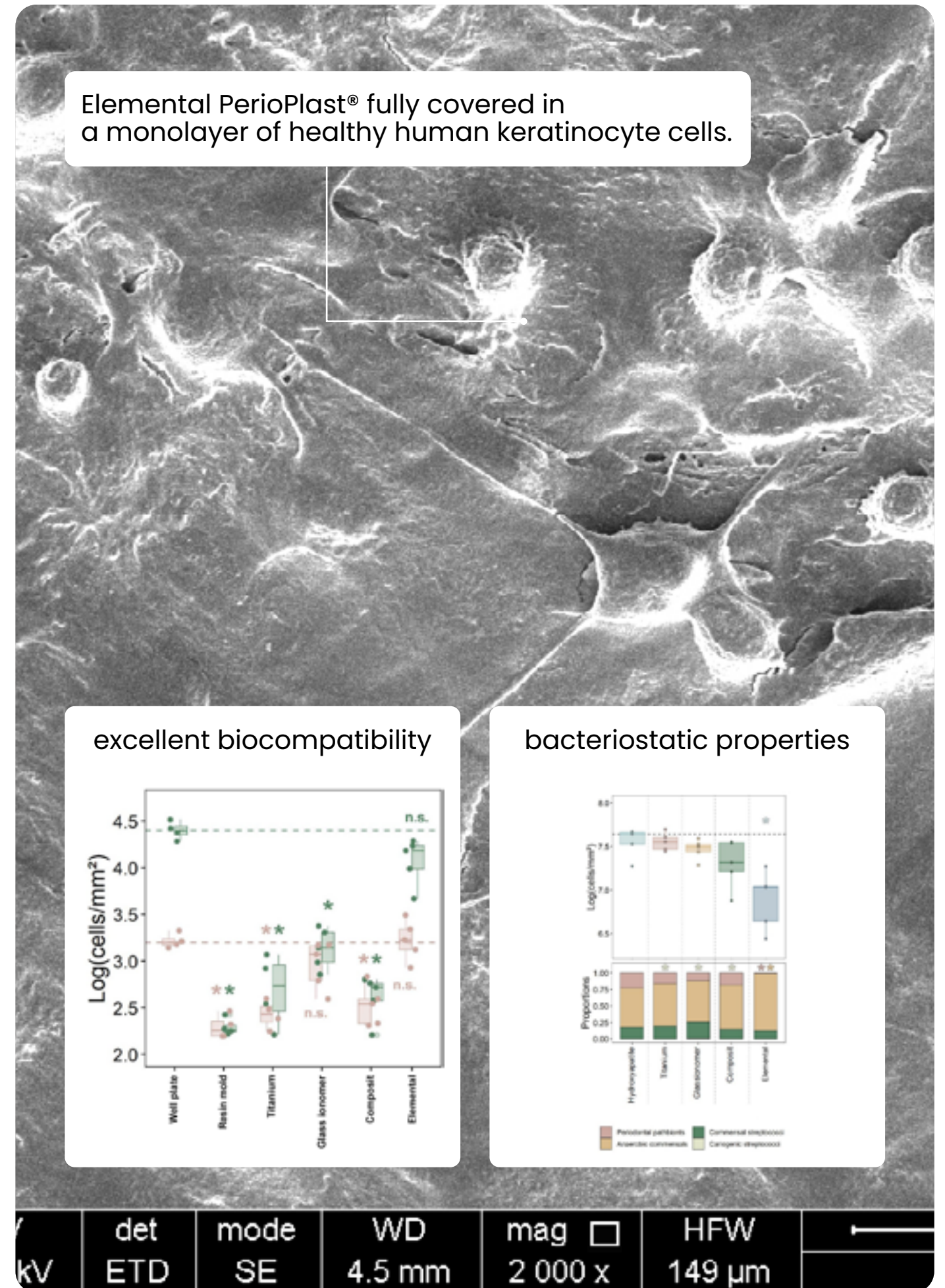
Less surgical time on donor site

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.”

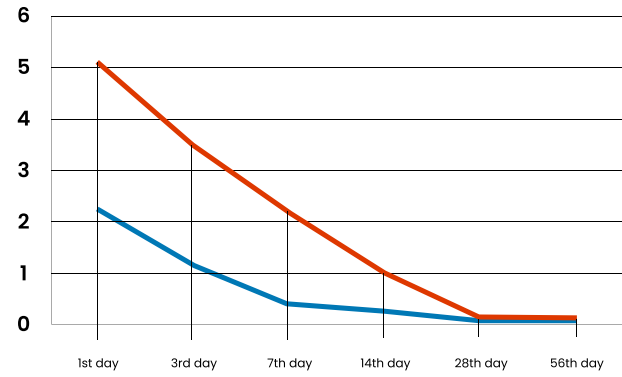
Prof. Dr. Wim Teughels



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

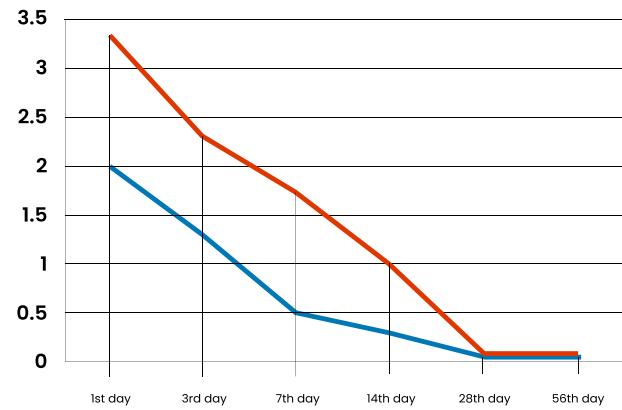
Why patients love Elemental

Haemostatic agent & sutures Elemental palatal stent



Less postoperative pain

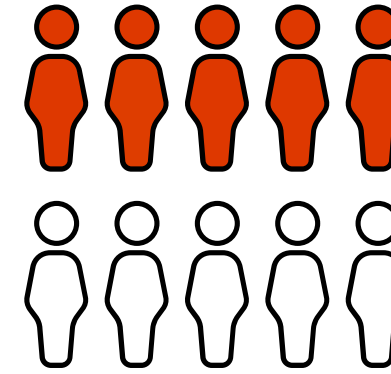
Elemental stents significantly reduce postoperative pain and morbidity.



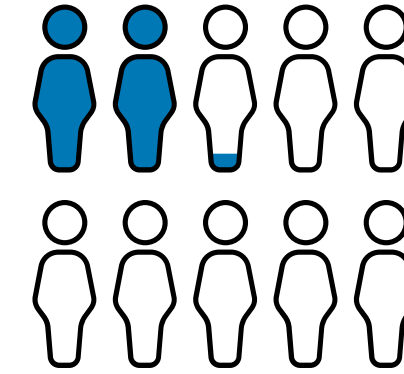
Less burning sensation

Patients experience less burning sensation on the palate.

Haemostatic agent & sutures

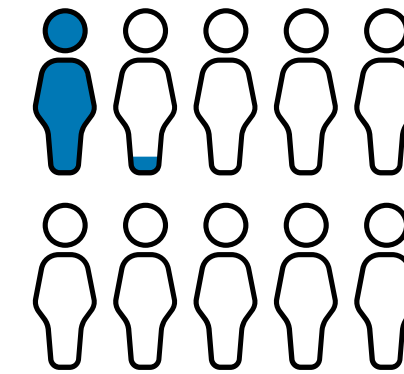
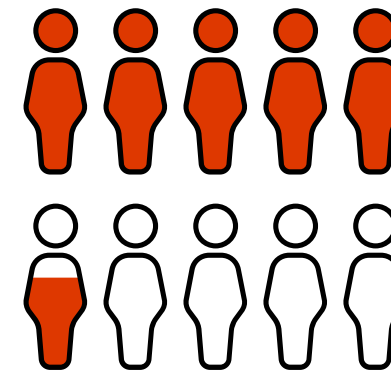


Elemental palatal stent



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

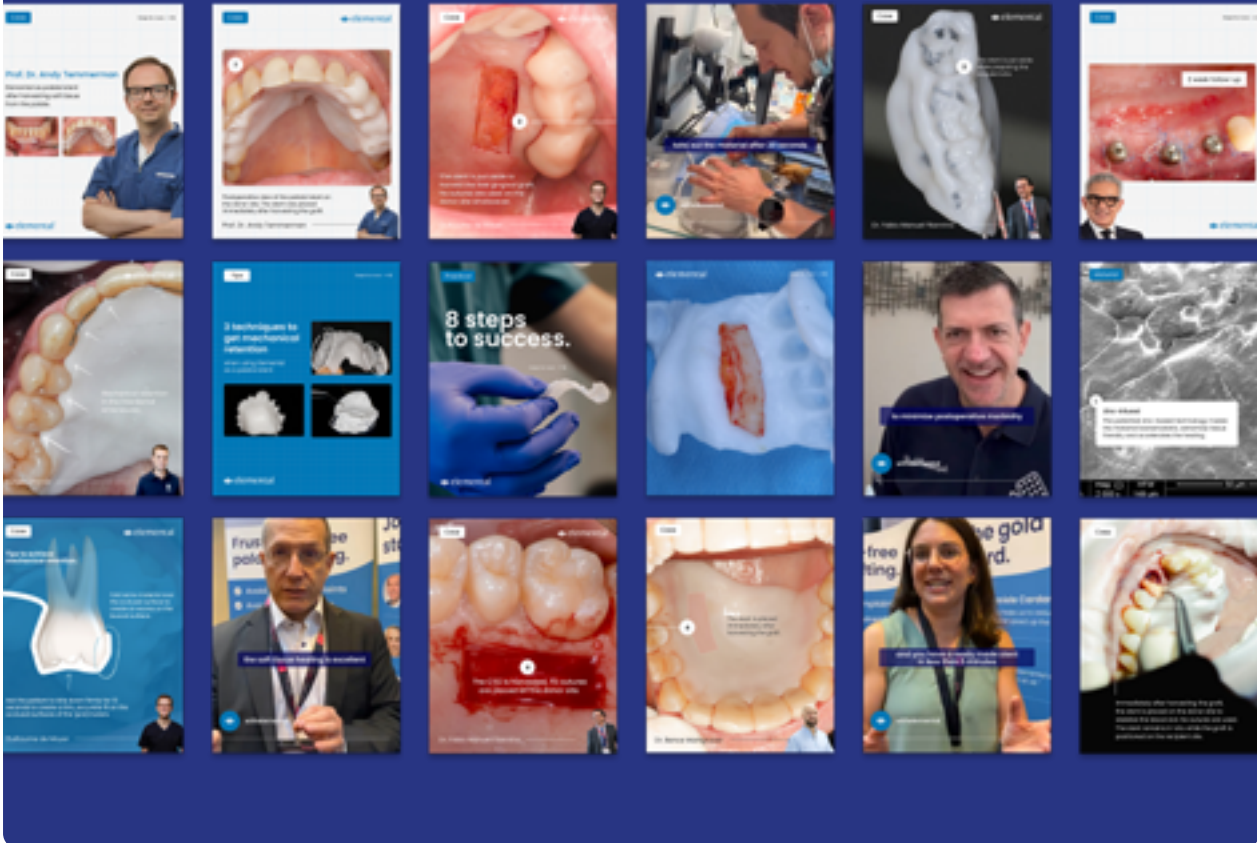
No pain?
You can take the stent out.

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Also see



Introduction to Elemental Stents.



3 key handlings to practice.



Surgical tips & cases from the Experts.



Set-up & practical info for assistants.



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