



What it is

A small, custom-made scaffold designed from your scan and **3D-printed** from **biodegradable, medical-grade** polycaprolactone (PCL). It's placed where bone is needed before a dental implant and secured with small screws.

The scaffold holds a protected space so your own bone can regrow. As healing progresses, the PCL gradually dissolves.

It isn't a bone graft—your dentist will also place graft material.



Backed by decades of research—PCL has supported implantable devices since the 1970s.

About us

UQ School of Dentistry translates jawbone regeneration research into patient-centred care.

Our study is clinically led by Professor **Sašo Ivanovski**, a **specialist periodontist** and **world-leading clinician**. With ethics approval and TGA CTN notification in place, we focus on safety, privacy, and informed choice – so you can decide what's right for you.

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Find out more

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CRICOS Provider 00025B • TEQSA PRV12080

Resorbable Scaffold Clinical Trial

A custom device to support bone for dental implant placement

Your involvement

Timeline



1. Screening & planning (scan/photos)



2. Day surgery (general anaesthetic)(1-1.5 mo)



3. Post Op check up – 1, 2, 3 (3 mo)



4. Bone scan CBCT (6 mo)



5. Implant placement (6–9 mo)



6. Tooth restoration (12 mo)



7. One year function (24 mo)

Cost \$\$

This study subsidises part of your care (including the investigational device).

We'll provide a clear written estimate before you proceed.

Benefits

- Reduced treatment costs
- Extra care: more frequent check-ups, imaging and follow-up than usual care.
- Contributes to research that could improve care for others.
- You can withdraw at any time without affecting your routine care.

Alternatives

- A non-resorbable titanium mesh requires surgical removal.

Yxoss CBR® titanium



Register your interest



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“When I finally got treatment, I could be myself again. It didn’t just restore my ability to eat – it restored my confidence.”

– Anthony Bartlett
retired school principal,
pilot PCL scaffold recipient

