

Using biological markers in saliva to diagnose and monitor treatment for gum disease around dental implants

ACTRN12625000362493

Status	RECRUITING
Sponsor	School of Dentistry - University of Queensland
Enrollment	96 participants

Plain Language Summary

Dental implants are a common way to replace missing teeth, but the gum and bone tissue around them can become inflamed and infected — a condition called peri-implantitis — which can ultimately cause the implant to fail. This study is investigating whether certain biological markers in saliva and the fluid around implants can help diagnose gum disease around implants earlier and better predict how well treatment will work.

Participants will have saliva and implant fluid samples collected at the time of their appointment and at follow-up visits over 12 months. People with peri-implant health, mild gum inflammation (peri-mucositis), or established peri-implantitis will all be included so researchers can compare the markers across these groups. Participants with peri-implantitis will also receive standard non-surgical treatment and be monitored for response.

You may be eligible if you are 18 or older and have dental implants with varying degrees of gum health. Current smokers, people with uncontrolled diabetes, those who are pregnant or have cardiovascular disease, and people who have received antibiotics or anti-inflammatory medications within the past three months are not eligible.

Key Eligibility Criteria

Inclusion (2)

- Patients 18 years of age or older
- All eligible patients with implants will be enrolled based on clinical diagnostic parameters

Exclusion (8)

- Current smokers
- Uncontrolled diabetes (HbA1c \geq 6.5)
- Pregnancy, cardiovascular disease, active infectious disease
- Immunosuppressive, anti-inflammatory drugs, or antibiotic therapy three months prior to the investigation
- \geq 5 sites with PPD \geq 5mm detected around the natural dentition (Feres et al. 2020)

... and 3 more (see full listing online)

Locations (1 total)

NSW,QLD, Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12625000362493>

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