

Research Title: Perception of consumers and clinicians on saliva diagnosis for periodontal diseases

Researcher(s):

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Questionnaire — consumers

Thank you for volunteering to participate in our research project “Perception of consumers and clinicians on saliva diagnosis for periodontal diseases”. Please make sure you have read the participants information sheet carefully before you decide to start the survey. *Please note, your answers are completely anonymous, and the answers are used for research purposes only.

By checking this box, you agree to give consent for using your responses as primary data for this research.

☐ I agree.

Section A

1) What is your age?

- ☐ 18-19
- ☐ 20-24
- ☐ 25-29
- ☐ 30-34
- ☐ 35-39
- ☐ 40-44
- ☐ 45-49
- ☐ 50-54
- ☐ 55-59
- ☐ 60-64
- ☐ 65-69
- ☐ Others, please specify: _____

2) What is your gender?

- ☐ Female
- ☐ Male
- ☐ I identify as: _____
- ☐ Prefer not to say

3) Are you of Aboriginal and/or Torres Strait Islander origin?

- ☐ Aboriginal
- ☐ Torres Strait Islander
- ☐ Neither
- ☐ Prefer not to say

4) Do you have a past history of periodontal/gum problems/disease? (e.g., bleeding gums)

- ☐ Yes
☐ No

a) If yes, which of the following best describes the disease?

- ☐ Bleeding occasionally
☐ Bleeding regularly
☐ Bleeding and receding gums
☐ Bleeding and subsequently teeth loss

5) Are you currently being treated for periodontal/gum diseases by a dentist/hygienist/periodontist?

- ☐ Yes
☐ No

a. If yes, which of the following best describes the clinicians that are involved in your treatment? (You may select more than one option)

- ☐ General dentist
☐ Dental hygienist
☐ Periodontist

6) How often do you brush your teeth per day?

- ☐ 0
☐ 1
☐ 2
☐ 3
☐ Others, please specify: _____

7) Do you floss?

- ☐ Yes
☐ No

a) If yes, how frequently do you floss?

- ☐ 0
☐ 1
☐ 2
☐ 3
☐ Others, please specify: _____

8) Have you heard about any disease detection based on salivary tests?

- ☐ Yes
☐ No

a) If yes, how did you hear about that and/or what type of diseases are they? Please specify:

9) Do you think using saliva to detect periodontal/gum diseases would be reliable? Choose one.

- ☐ Strongly agree
☐ Agree
☐ Neutral
☐ Disagree
☐ Strongly disagree
☐ Don't know

10) Reversible gum bleeding (gingivitis) can lead to irreversible gum and bone destruction (early periodontitis). Would you be willing to do a salivary diagnostic test for the **early detection** of periodontal/gum diseases if your dentist suggested so? Choose one.

- ☐ Strongly agree
☐ Agree
☐ Neutral
☐ Disagree
☐ Strongly disagree

11) Different stages/severity of periodontal disease require a different levels of care. Assuming you have already been diagnosed with periodontitis, would you be willing to do a salivary diagnostic test for the **severity** if your dentist suggested so? Choose one.

- ☐ Strongly agree
☐ Agree
☐ Neutral
☐ Disagree
☐ Strongly disagree

12) Nowadays, periodontal/gum diseases are generally diagnosed based on clinical examination and radiographic bone loss. Do you think the salivary diagnosis test would be more efficient and effective? Choose one.

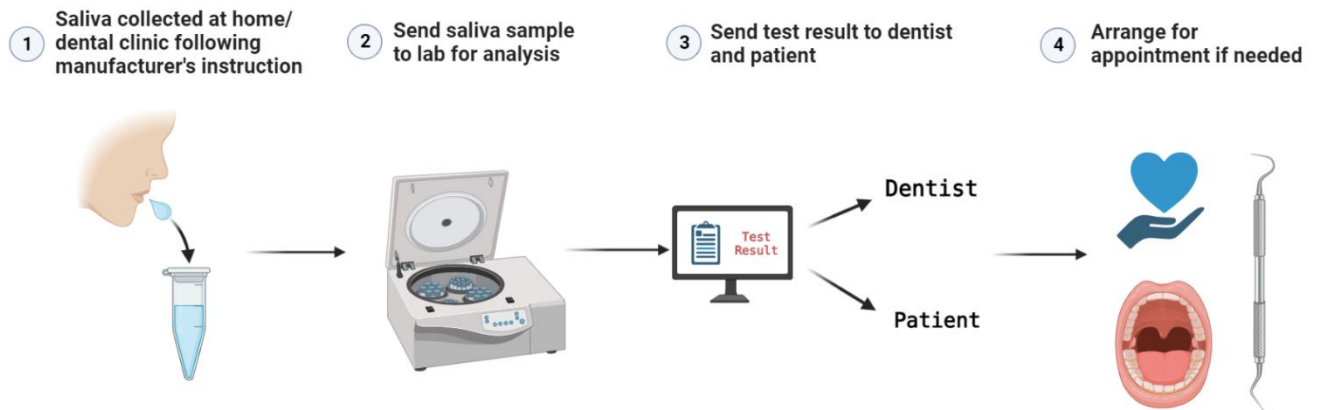
- ☐ Strongly agree
☐ Agree
☐ Neutral
☐ Disagree
☐ Strongly disagree

13) What is your proposed/acceptable price range (\$AUD) for a salivary diagnosis kit in periodontal/gum diseases before an insurance reimbursement?

- ☐ \$0-10
☐ \$11-20
☐ \$21-30
☐ \$31-40
☐ More than \$40
☐ Others, please specify: _____

Section B

14) The figure below shows a proposed clinical workflow for saliva diagnosis.



a) Do you think the workflow would produce reliable results that facilitates periodontal disease diagnosis or early disease detection? Choose one.

- ☐ Strongly agree
☐ Agree
☐ Neutral
☐ Disagree
☐ Strongly disagree

b) Which step, if any, do you think that improvement is needed? (You may select more than one option)

- ☐ Step 1
☐ Step 2
☐ Step 3
☐ Step 4

Your suggestions to improve the flow: _____

15) Do you think there are advantages to salivary diagnosis, if yes, what are they? (You may select more than one option)

- ☐ Easy collection
- ☐ Safe collection
- ☐ Non-invasive with minimal discomfort
- ☐ Accuracy
- ☐ Affordable
- ☐ Portable platforms to facilitate early disease detection
- ☐ Self-collection by patient is feasible (i.e. can be self-collected at home without a clinician)
- ☐ Better stability and transportability
- ☐ All of the above
- ☐ None of the above
- ☐ Others: _____

16) Do you think there are limitations to salivary diagnosis, if yes, what are they? (You may select more than one option)

- ☐ Target components that are used for diagnosis are generally present in lower amounts in saliva than in serum
- ☐ Saliva collection methods and protocols may be different, leading to inaccurate results
- ☐ Salivary components vary between individuals
- ☐ Contamination from food, beverages, kissing etc.
- ☐ Certain patients require a longer time for sample collection
- ☐ Certain systemic diseases and medications may alter the salivary components leading to inaccurate result
- ☐ Not suitable for patients with reduced salivary flow
- ☐ All of the above
- ☐ None of the above
- ☐ Others: _____