

**COMPARISON OF PERIODONTAL AND ORAL HYGIENE STATUS OF NON-DIABETICS AND TYPE-II DIABETICS:
A CROSS-SECTIONAL STUDY IN KHYBER PAKHTUNKHWA, PAKISTAN**

Supporting data_S1

Annexure I: Demographic, Oral Health/Diabetes related questionnaire (modified from WHO oral health survey)

Date: / /

- | | |
|--|------------------------------------|
| 1. Name: | 4. Age: |
| 2. Gender: | 5. Education: |
| 3. OPD/Reg no: | 6. Occupation |
| 7. Income: _____ PKR/month | |
| 8. Diabetic/non-diabetic: | |
| 9. How often do you clean your teeth? | |
| 10. What do you use to clean your teeth? | |
| 11. How long is it since you last visit a dentist? | |
| 12. What was the reason of your last visit to the dentist? | |
| 13. What tobacco product do you use? | |
| 14. How often do you use that tobacco product? | |
| 15. Duration of diabetes | |
| ≤5 years | |
| 6-9 years | |
| ≥10 years | |
| 16. HbA1c % (A/B/C) | 18. T2D Complications |
| A. ≤5.7 | A. Yes B. No |
| B. 6 – 6.9 | 19. Any other medication use/d? |
| C. ≥7 | A. Yes B. No |
| 17. Diabetes (T2D) medication. | 20. Any other treatment undergone? |
| A. Oral only B. Insulin inj. | A. Yes B. No |
| C. Combination | |

RECORDING CHARTS (WHO):

1. COMMUNITY PERIODONTAL INDEX (CPI)

Adapted from WHO/FDI in 1982

a. Community Periodontal Index (CPI):

17/16	11	26/27
47/46	31	36/37

Score	Criteria
0	Healthy
1	Bleeding observed
2	Calculus detected
3	Pocket 4-5 mm (gingival margin within the black band of the probe)
4	Pocket ≥ 6mm (black band not visible)
X	Excluded sextant (< 2 teeth present)
9	Tooth not present

b. Loss of Attachment (Clinical attachment loss):

17/16	11	26/27
47/46	31	36/37

Score	Criteria
0	Loss of attachment 0-3mm (CEJ not visible)
1	Loss of attachment 4-5mm (CEJ within the black band)
2	Loss of attachment 6-8mm (CEJ between 5. mm and 8.5mm ring)
3	Loss of attachment 9-11mm (CEJ between 8.5mm and 11.5mm ring)
4	Loss of attachment ≥12mm (CEJ beyond 11mm ring)
X	Excluded sextant (<2 teeth present)
9	Not present

Number of missing teeth (except 3rd molar):

2. ORAL HYGIENE INDEX-SIMPLIFIED (OHI-S):

Described by John C. Greene and Jack R. Vermillion in 1964

Comprises of Debris Index–Simplified (DI-S) and Calculus Index–Simplified (CI-S)

Tooth	DI-S	CI-S
16		
11		
26		
36		
31		
46		
Total		
Score		
OHI-S		

$$\text{OHI-S} = \text{DI-S} + \text{CI-S}$$

Interpretation:

Score	Criteria
0	No debris/plaque or stains present
1	Plaque covering $\leq 1/3$ of tooth surface or presence of stains regardless of plaque presence
2	Plaque covering $> 1/3$ and $< 2/3$ of the tooth surface
3	Plaque covering $> 2/3$ of the tooth surface

Score	Criteria
0	No calculus presents
1	Supragingival calculus covering $\leq 1/3$ of tooth surface
2	Supragingival calculus covering $> 1/3$ and $< 2/3$ of the tooth surface and/or presence of individual flecks of subgingival calculus around the cervical portion of the tooth
3	Supragingival calculus covering $> 2/3$ of the tooth surface and/or continuous heavy band of subgingival calculus around the cervical portion of the tooth

Interpretation

An OHI-S is scored as follows:

- 0.0–1.2 = Good oral hygiene
- 1.3–3.0 = Fair oral hygiene
- 3.1–6.0 = Poor oral hygiene