

Supporting Information

A Biological Safe Gold Nanoparticle-Modified Dental Aligner Prevents the *Porphyromonas gingivalis* Biofilm Formation

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Contents:

- 1) Grading system for oral reactions S2-S3**
- 2) Bacterial suspension with untreated and AuDAPT-coated samples S3**

SUPPLEMENTARY INFORMATION

Table S1. Grading system for oral reactions

Reaction	Numerical grading
Erythema and eschar formation	
No erythema	0
Very slight erythema	1
Well-defined erythema	2
Moderate erythema	3
Severe erythema to eschar formation	4

Table S2. Grading system for microscopic examination for oral tissue reaction

Reaction	Numerical grading
1. epithelium	
Normal, intact	0
Cell degeneration or flatting	1
Metaplasia	2
Focal erosion	3
Generalized erosion	4
2. Leucocyte infiltration	
Absent	0
Minimal (less than 25)	1
Mild (26 to 50)	2
Moderate (51 to 100)	3
Marked (greater than 100)	4
3. Vascular congestion	
Absent	0
Minimal	1

Mild	2
Moderate	3
Marked, with disruption of vessels	4
4. Edema	
Absent	0
Minimal	1
Mild	2
Moderate	3
Marked	4

Figure S1. Bacterial suspension with untreated and AuDAPT-coated samples (cultured for 48h) and spirally inoculation colonies.

