

1 **Table. S1. Clinical study design.** This is a single-leg, examiner-blind and randomized clinical  
 2 study. Forty healthy adult volunteers who meet the inclusion criteria were recruited for this study.  
 3 The procedures taken at each time points along 48-day NG-Baseline-EG process were highlighted  
 4 via ‘X’ below. See **Methods** and **Fig. 1a** for additional details.

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PHASE	ORAL HYGIENE			INDUCED GINGIVITIS						RECOVERY
	DAY -21	DAY -14	DAY -7	DAY 0	DAY 1	DAY 3	DAY 7	DAY 14	DAY 28	FOLLOW-UP
INFORMED CONSENT	X									
MEDICAL HISTORY	X									
DEMOGRAPHICS	X									
INCLUSION/EXCLUSION	X									
CONTINUANCE CRITERIA		X	X	X	X	X	X	X	X	
SALIVA	X			X	X	X	X	X	X	X
PERIODONTAL EXAMINATION	X									
MAZZA GINGIVAL INDEX	X	X	X	X	x	x	X	X	X	X
GINGIVAL PLAQUE COLLECTION	X			X	X	X	X	X	X	
DENTAL PROPHYLAXIS	X	X	X							
TOOTH POLISHING	X		X							X
DAILY SUPERVISED ORAL HYGIENE	X	X	X	X	X	X	X	X		X
ADVERSE EVENT RECORDING	X	X	X	X	X	X	X	X	X	
SUBJECT ACCOUNTABILITY									X	

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