

Table S1: Reasons for exclusion after abstract review.

	Author, year	Reason(s) for exclusion
1	Kinane et al. (2003)[51]	Smoking status not determined
2	Kinney et al. (2014) [52]	
3	Choi et al. (2004) [53]	
4	Skurska et al. (2015) [54]	Inclusion of adjunctive treatment in all groups
5	Nardi et al. (2020) [55]	Salivary MMP-8
6	Liu et al. (2020) [56]	
7	Buduneli et al. (2002) [57]	Follow-up less than 3-months
8	Farhad et al. (2013) [58]	
9	Kurtis et al. (2007) [59]	
10	Chen et al. (2000) [60]	
11	Ozgören et al. (2014) [61]	
12	Tüter et al. (2010) [62]	
13	Jentsch et al. (2016) [63]	Antibiotics were used
14	Gonçalves et al. (2013) [64]	Inclusion of children and young adults
15	Leppilahti et al. (2015) [65]	Summary of several RCT
16	Sorsa et al. (2016) [66]	Narrative review
17	de Oliveira et al. (2009) [67]	MMP-8 was not included
18	Holmlund et al. (2004) [68]	
19	Emingil et al. (2004) [69]	
20	Reddy et al. (2012) [70]	
21	Koromantzios et al. (2012) [71]	Study on diabetic patients
22	Okuda et al. (2001) [72]	Surgical intervention
23	Górska and Nedzi-Góra (2006) [73]	GCF was not collected
24	Ağan et al. (2006) [74]	Doxycycline applied in all groups
25	Kurgan et al. (2016) [75]	NSPT for patients with rheumatoid arthritis
26	Leppilahti et al. (2014) [76]	3-month's results not reported

MMP-8: matrix metalloproteinase, RCT: randomized clinical trial, GCF: gingival crevicular fluid, NSPT: nonsurgical periodontal therapy

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