

Appendix 1
Quality Assessments

	Study ID	Perio-related studies (n=50)	Was the study industry funded (related to the study materials being investigated)?	Was there a conflict of interest?	Relevance to routine clinical dentistry	Procedure description	Equipment used reporting	Sample size	Controls (for microbial studies?)	Outcome (Contamination)	Overall Microbiological Sensitivity Assessment (Bacterial)
Ultrasonic studies n=44	5	Balcos et al. 2019	Amber	Amber	Green	Red	Amber	Red	N/A	Amber	N/A
	6	Barnes et al. 1998	Amber	Amber	Green	Amber	Amber	Red	N/A	Amber	N/A
	8	Bentley et al. 1994	Red	Amber	Red	Amber	Red	Red	Green	Amber	Low
	9	Choi et al. 2018	Green	Green	Green	Amber	Red	Red	Red	Amber	Low
	10	Chuang et al. 2014	Amber	Green	Green	Amber	Green	Red	Green	Red	Low
	16	Devker et al. 2012	Amber	Amber	Green	Amber	Red	Red	Green	Red	Low
	21	Feres et al. 2010	Red	Red	Green	Red	Red	Red	Green	Red	Medium

22	Fine et al. 1992	Red	Amber	Green	Red	Amber	Red	Green	Red	N/A
23	Fine et al. 1993	Red	Red	Red	Red	Red	Red	Red	Red	Low
24	Fine et al. 1993	Red	Red	Green	Red	Red	Red	Green	Amber	Low
25	Graetz et al. 2014	Amber	Amber	Red	Amber	Green	Red	N/A	Amber	N/A
29	Greenier 1995	Amber	Amber	Green	Amber	Red	Red	Green	Amber	High
31	Gupta et al. 2014	Amber	Green	Green	Amber	Red	Red	Green	Amber	Low
32	Hallier et al. 2010	Amber	Red	Green	Red	Red	Red	Green	Red	Low
33	Harrel et al. 1996	Amber	Green	Red	Amber	Green	Red	N/A	Amber	N/A
34	Harrel et al. 1998	Amber	Amber	Red	Amber	Green	Red	N/A	Amber	N/A
37	Holloman et al. 2015	Red	Amber	Green	Amber	Green	Red	Green	Green	High
41	Jawade et al. 2016	Amber	Green	Green	Amber	Amber	Red	Green	Red	Low
44	Kaur et al. 2014	Amber	Green	Green	Red	Red	Red	Green	Amber	Low

45	King et al. 1997	Amber	Amber	Green	Green	Amber	Red	Red	Amber	Low
48	Labaf et al. 2011	Amber	Amber	Green	Amber	Red	Red	Red	Amber	Low
90	Miller et al. 1971	Amber	Amber	Green	Green	Amber	Red	Green	Amber	Low
52	Mohan and Jagannathan 2016	Amber	Green	Green	Red	Red	Green	Green	Green	Low
54	Narayana et al. 2016	Amber	Green	Green	Red	Red	Green	Red	Red	Low
55	Neiatidanesh et al. 2013	Green	Green	Green	Amber	Amber	Red	N/A	Amber	N/A
59	Prospero 2003	Red	Red	Red	Amber	Red	Red	Red	Amber	Low (total counts) Low (for selective media)
60	Purohit et al. 2010	Amber	Amber	Green	Amber	Amber	Red	Green	Amber	Low
61	Ramesh et al. 2015	Amber	Green	Green	Amber	Amber	Red	Red	Amber	Low
62	Rao et al. 2015	Amber	Amber	Green	Red	Red	Red	Red	Red	Low

64	Reddy et al. 2012	Amber	Green	Green	Red	Red	Red	Green	Red	Low
65	Retamal-Valdes et al. 2017	Red	Amber	Green	Green	Amber	Red	Green	Amber	Medium
66	Rivera-Hidalgo et al. 1999	Amber	Amber	Red	Amber	Green	Red	N/A	Amber	N/A
69	Sadun et al. 2020	Red	Red	Red	Red	Red	Red	Red	Amber	Low
70	Saini 2015	Green	Green	Green	Green	Amber	Red	Green	Amber	
71	Sawhney et al. 2015	Green	Green	Green	Green	Red	Red	Green	Amber	
72	Serban et al. 2013	Amber	Amber	Green	Red	Red	Red	Green	Amber	
73	Sethi et al. 2019	Amber	Green	Green	Amber	Red	Red	N/A	Amber	
74	Shetty et al. 2013	Amber	Green	Green	Amber	Red	Red	Red	Amber	
76	Singh et al. 2016	Green	Green	Green	Amber	Amber	Red	Green	Amber	
78	Swaminathan et al. 2014	Amber	Amber	Green	Amber	Green	Red	Red	Amber	

	80	Timmerman et al. 2004	Amber	Amber	Green	Amber	Green	Amber	Green	Amber	High
	83	Veena et al. 2015	Green	Green	Red	Amber	Green	Red	N/A	Amber	N/A
	85	Watanabe et al. 2013	Green	Green	Green	Red	Amber	Red	Red	Red	N/A
	87	Yamada et al. 2011	Amber	Amber	Green	Amber	Red	Red	N/A	Amber	N/A
Air polishing n=4	35	Harrel et al. 1999	Amber	Green	Red	Green	Green	Red	N/A	Amber	Medium
	18	Dos Santos 2014	Amber	Green	Green	Green	Amber	Green	Green	Amber	Low
	49	Logothetis 1995	Green	Amber	Green	Green	Red	Red	Green	Green	Low
	53	Muzzin 1999	Red	Amber	Amber	Amber	Red	Red	Green	Red	Low
Hand scaling n=3	34	Harrel et al. 1998 *(also in US)	Amber	Amber	Red	Amber	Green	Red	N/A	Amber	N/A
	89	Micik 1969	Amber	Amber	Amber	Amber	Amber	Red	Green	Amber	Low
	63	Rautemma 2006	Amber	Amber	Green	Red	Red	Red	Green	Red	Low

Prophylaxis studies	89	Micik 1969* (also in HS)	Amber	Amber	Amber	Amber	Amber	Red	Green	Amber	Low
	90	Miller et al. 1971* (also in US)	Amber	Amber	Green	Green	Amber	Red	Green	Amber	Low