

Table S1. Biofilm biomass (optical density at 595nm) after treatments.

Treatment group	Mean OD	% Reduction from untreated control	Statistical significance (vs. untreated control)	Statistical significance (vs. UD Alone)
UC	1.25 ± 0.15	-	-	-
SC	1.18 ± 0.12	5.6%	0.45	-
UD	0.55 ± 0.08	56.0%	< 0.001 ***	-
UD + CHX	0.30 ± 0.05	76.0%	< 0.001 ***	0.001 **
UD + SJW	0.35 ± 0.06	72.0%	< 0.001 ***	0.003 **

UC, untreated control; SC, saline control; UD, ultrasonic debriment alone; UD + CHX, ultrasonic debriment with chlorhexidine; UD + SJW, ultrasonic debriment with St. John's wort. Data in the second column represent mean optical density values with one standard deviation. Data in the fourth and fifth columns indicate *p*-values obtained from post hoc comparisons against the untreated control and against ultrasonic debridement alone, respectively. Bold values annotated with asterisks (*) denote significant differences (Tukey's HSD test, ***— $p \leq 0.001$, **— $p \leq 0.01$, and *— $p \leq 0.05$).

Table S2. Mean total viable bacterial count (log₁₀ CFU/disc) after treatments

Treatment group	Mean Log ₁₀ CFU/disc	% Reduction from untreated control	Statistical significance (vs. untreated control)	Statistical significance (vs. UD Alone)
UC	8.5 ± 0.3	-	-	-
SC	8.3 ± 0.3	2.4%	0.21	-
UD	6.2 ± 0.4	27.05%	< 0.001 ***	-
UD + CHX	4.5 ± 0.4	47.05%	< 0.001 ***	0.002 **
UD + SJW	4.8 ± 0.5	43.52%	< 0.001 ***	0.005 **

UC, untreated control; SC, saline control; UD, ultrasonic debriment alone; UD + CHX, ultrasonic debriment with chlorhexidine; UD + SJW, ultrasonic debriment with St. John's wort. Data in the second column represent mean optical density values with one standard deviation. Data in the fourth and fifth columns indicate *p*-values obtained from post hoc comparisons against the untreated control and against ultrasonic debridement alone, respectively. Bold values annotated with asterisks (*) denote significant differences (Tukey's HSD test, ***—*p* ≤ 0.001, **—*p* ≤ 0.01, and *—*p* ≤ 0.05).

Table S3. qPCR data (log10 DNA copies/disc) for *Porphyromonas gingivalis*

Treatment group	Mean Log10 DNA copies/disc	% Reduction from untreated control	Statistical significance (vs. untreated control)	Statistical significance (vs. UD Alone)
UC	6.8 ± 0.2	-		-
SC	6.0 ± 0.3	11.76%		-
UD	4.5 ± 0.3	33.82%	< 0.001 ***	-
UD + CHX	2.6 ± 0.3	61.76%	< 0.001 ***	0.006 **
UD + SJW	3.0 ± 0.2	55.88%	< 0.001 ***	0.009 **

UC, untreated control; SC, saline control; UD, ultrasonic debriment alone; UD + CHX, ultrasonic debriment with chlorhexidine; UD + SJW, ultrasonic debriment with St. John's wort. Data in the second column represent mean optical density values with one standard deviation. Data in the fourth and fifth columns indicate *p*-values obtained from post hoc comparisons against the untreated control and against ultrasonic debridement alone, respectively. Bold values annotated with asterisks (*) denote significant differences (Tukey's HSD test, ***— $p \leq 0.001$, **— $p \leq 0.01$, and *— $p \leq 0.05$).