

**Table S1.** Demographic patient data and clinical parameters at baseline and post intervention

	<b>Patient<sup>s</sup></b>			
	<b>Control-1</b>	<b>Control-2</b>	<b>Experimental-1</b>	<b>Experimental-2</b>
<b>Age (years)</b>	65	45	42	64
<b>N teeth*</b>	28	28	24	15
<b>% sites with PPD** ≤ 3 mm (pre / post intervention)</b>	19.6 / 34.5	23.9 / 45.2	36.8 / 56.9	14.4 / 47.7
<b>% sites PPD 4-6 mm (pre / post)</b>	55.4 / 54.7	46.4 / 48.3	27.1 / 34.1	51.2 / 45.6
<b>% sites PPD ≥ 7 (pre / post)</b>	25 / 10.8	29.7 / 6.5	36.1 / 9	34.4 / 6.7
<b>% sites with BOP*** (pre / post)</b>	79 / 12	54 / 11	59 / 7	84 / 14
<b>% sites with plaque index (pre / post)</b>	73 / 12	52 / 21	50 / 5	98 / 37

<sup>s</sup> All patients were males, non-smokers with generalized severe chronic periodontitis - i.e. more than 38% of sites with PPD ≥ 6 mm - and with no professional periodontal therapy during the six months preceding the baseline clinical evaluation.

\* For every tooth clinical parameters (PPD, BOP, plaque index) were determined from six sites.

\*\* Pocket probing depth.

\*\*\* Bleeding on probing.