

Table 1. Characteristics of DS and control subjects.

	DS (n=30)	Control (n=38)	<i>p</i> -value
Gender (M/F)	21/9	11/27	
Age (years)	28.0 ± 0.0	31.8 ± 6.4	0.060
Chronic disease (%)	80.0	15.8	<0.001*
Medication (%)	60.0	10.5	<0.001*
Number of tooth brushings/day	2.3 ± 0.6	2.6 ± 0.5	0.013*
Dental visits (once or more/year)(%) ^a	76.7	23.7	<0.001*
Barthel Index ^b	87.1 ± 14.2	100.0 ± 0.0	<0.001*
Vitality Index ^c	8.5 ± 1.8	10.0 ± 0.0	<0.001*

**p*<0.05

^a Percentage (%) of people who visited a dental clinic at least once a year.

^b The Barthel Index evaluates 10 items: diet, transfer, conditioning, toilet action, bathing, moving, stair climbing, changing clothes, defecation self-control and urination self-control with self-reliance degree. The score is set according to the degree of self-reliance with a maximum score of 100 points indicating complete self-reliance.

^c The Vitality Index evaluates activities in everyday life in five items: awakening, communication, diet, excretion and activity with a maximum score of 10 points.

Table 2. Clinical periodontal measurements and oral characteristics in DS and control subjects.

	DS (n=30)	Control (n=38)	<i>p</i> -value
DMF (%)	22.8 ± 4.9	35.8 ± 0.4	<0.001*
Plaque control records (%)	49.8 ± 18.6	24.8 ± 13.3	<0.001*
DI	2.4 ± 0.5	1.8 ± 0.4	<0.001*
CI	1.0 ± 0.7	0.7 ± 0.6	0.021*
OHI	3.4 ± 1.0	2.5 ± 0.9	<0.001*
3 mm < PD (%)	3.2 ± 5.4	1.4 ± 2.9	0.038*
GI	0.9 ± 0.4	0.4 ± 0.4	<0.001*
GBI (%)	21.0 ± 11.7	13.4 ± 7.9	0.001*

**p*<0.050

DMF: Decay-missing-filled Index, DI: Debris Index, CI: Calculus Index, OHI: Oral Hygiene Index (DI+CI), PD: pocket probing depth, GI: Gingival Index GBI: Gingival Bleeding Index.

Table 3. Rates of periodontal bacteria in saliva from DS and control subjects.

	DS (n=25)	Control (n=38)	<i>p</i> -value
<i>Porphyromonas gingivalis</i>	0.4 ± 0.0 × E-02	0.3 ± 0.0 × E-02	0.538
<i>Aggregatibacter actinomycetemcomitans</i>	0.2 ± 0.0 × E-02	0.1 ± 0.0 × E-02	0.570
<i>Treponema denticola</i>	1.4 ± 0.0 × E-02	5.4 ± 0.3 × E-02	0.422
<i>Tannerella forsythia</i>	19.3 ± 1.1 × E-02	6.7 ± 0.2 × E-02	0.408
<i>Prevotella intermedia</i>	0.2 ± 0.0 × E-02	0.4 ± 0.0 × E-02	0.564
Red complex	4.5 ± 0.1 × E-02	1.2 ± 0.5 × E-02	0.423

Data (%) were calculated as follows: (copy numbers of periodontal bacteria/total bacteria) × 100.

Red complex: *P. gingivalis* + *T. denticola* + *T. forsythia*.

Table 4. Total streptococci, mutans streptococci and lactobacilli in saliva from DS and control subjects.

	DS (n=29)	Control (n=38)	<i>p</i> -value
Mutans streptococci (CFU)	$3.3 \pm 0.7 \times E+05$	$1.4 \pm 0.5 \times E+05$	0.202
Lactobacilli (CFU)	$4.7 \pm 1.4 \times E+05$	$0.9 \pm 0.3 \times E+05$	0.119
Total streptococci (CFU)	$567.0 \pm 34.1 \times E+05$	$417.0 \pm 35.0 \times E+05$	0.087
Mutans streptococci rate (%) ^a	0.4 ± 0.9	0.2 ± 0.5	<0.001*
Lactobacilli ratio (%) ^b	0.5 ± 1.4	0.2 ± 0.4	<0.001*

* $p < 0.05$

^a The mutans streptococci rate was calculated as follows: (mutans streptococci in CFU/total streptococci in CFU) \times 100.

^b The lactobacilli ratio was calculated as follows: (lactobacilli in CFU/total streptococci in CFU) \times 100.

Table 5. Number of *Candida* and *S. aureus* in DS and control subjects.

* $p < 0.05$

	DS (n=30)	Control (n=38)	<i>p</i> -value
<i>Candida</i> (CFU)	35.2 ± 93.8	1.1 ± 3.7	<0.001*
<i>S. aureus</i> (CFU)	17.6 ± 38.9	10.0 ± 20.2	0.50