

Supplementary Table S1. Medication use in the SjD and non-SjD groups stratified according to the Anatomical Therapeutic Chemical (ATC) codes.

| ATC | Description of ATC group | Medication use SjD group (N=12) | Medication use non-SjD group (N=13) |
|-----|---|---------------------------------------|---|
| A | Alimentary tract and metabolism (incl. Colecaliferol (vit-D), Ascorbic acid (vit-C) and Calcium carbonate (Calci-chew)) | 14 | 1 |
| B | Blood and blood forming organs | 1 | 3 |
| C | Cardiovascular system | 7 | 8 |
| D | Dermatological | 2 | 0 |
| G | Genito-urinary system and sex hormones | 1 | 0 |
| H | Systemic hormonal preparations, excluding sex hormones and insulins | 3 | 0 |
| J | Anti-infectives for systemic use | 2 | 0 |
| L | Anti-neoplastic and immunomodulating agents | 2 | 0 |
| M | Musculo-skeletal system (incl. anti-inflammatory and anti-rheumatic products) | 4 | 0 |
| N | Nervous system | 8 | 1 |
| P | Antiparasitic products (incl. hydroxychloroquine) | 1 | 0 |
| R | Respiratory system | 5 | 5 |
| S | Sensory organs | 11 | 0 |
| V | Varia (<i>i.e.</i> , over the counter dry mouth relieving products) | 2 | 0 |

Supplementary Table S2. Frequency distribution of plaque and bleeding index scores at 1, 6, 12, and 18 months after overdenture placement.

| Plaque index | T1 | | | | T6 | | | | T12 | | | | T18 | | | |
|----------------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|----|-------|-------|-------|------|
| | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
| SjD group | 64.7% | 13.7% | 21.6% | 0% | 62.7% | 7.8% | 29.4% | 0% | 66.7% | 9.8% | 23.5% | 0% | 70.6% | 17.6% | 11.8% | 0% |
| Non-SjD group | 52.0% | 14.0% | 26.0% | 8.0% | 64.0% | 14.0% | 18.0% | 4.0% | 58.0% | 28.0% | 6% | 8% | 85.4% | 7.3% | 2.4% | 4.9% |
| Bleeding index | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
| SjD group | 80.4% | 7.8% | 11.8% | 0% | 78.4% | 13.7% | 7.8% | 0% | 80.4% | 7.8% | 11.8% | 0% | 80.4% | 11.8% | 5.9% | 2.0% |
| Non-SjD group | 64.0% | 22.0% | 14.0% | 0% | 64.0% | 30.0% | 6.0% | 0% | 68.0% | 32.0% | 0% | 0% | 78.0% | 17.1% | 4.9% | 0% |

Plaque Index was measured on a scale of 0/1/2/3 (0 = no plaque; 1 = a film of plaque adhering to the free gingival margin and adjacent area of the implant; 2 = moderate accumulation of soft deposits within the gingival pocket, or the implant and gingival margin which can be seen with the naked eye; 3 = abundance of soft matter within the gingival pocket and/or on the tooth/implant and gingival margin. Bleeding Index for each implant was measured on a scale of 0/1/2/3 (0 = no bleeding when probe is passed along the gingival margin; 1 = isolated bleeding, gingiva looks normal; 2 = blood forms a confluent red line on margins; 3 = heavy or profuse bleeding)