**NobelProcera® implant-abutment interface**

**Lowest initial micromotion and minimal settling effect in-vitro**

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**Micromotion before and after cyclic loading (mean)**

1. Lowest initial micromotion **compared to all groups** \((p < 0.05)\)
2. Minimal settling effect

**Study findings**

- NobelProcera abutments showed significantly lower level of initial micromotion vs. all other tested products, \(p \leq 0.001\).
- Micromotion is decreased by cyclic loading, an effect called settling.
- Minimal settling effect with NobelProcera abutments after load cycling: mean micromotion pre- vs. post- cyclic loading: 33.15 \(\mu\)m vs. 30.03 \(\mu\)m.

**Clinical relevance**

NobelProcera abutments remain closest to the position reached during insertion and hence bear a lower risk of screw-loosening and need for tightening.

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