

ARE COMMERCIALLY AVAILABLE DENTAL FLOSSES EQUALLY GOOD FOR EVERYONE?





Performance of off-the-shelf dental flosses has not been tested enough in real life



Most properties are provided by the manufacturer primarily for advertising purposes

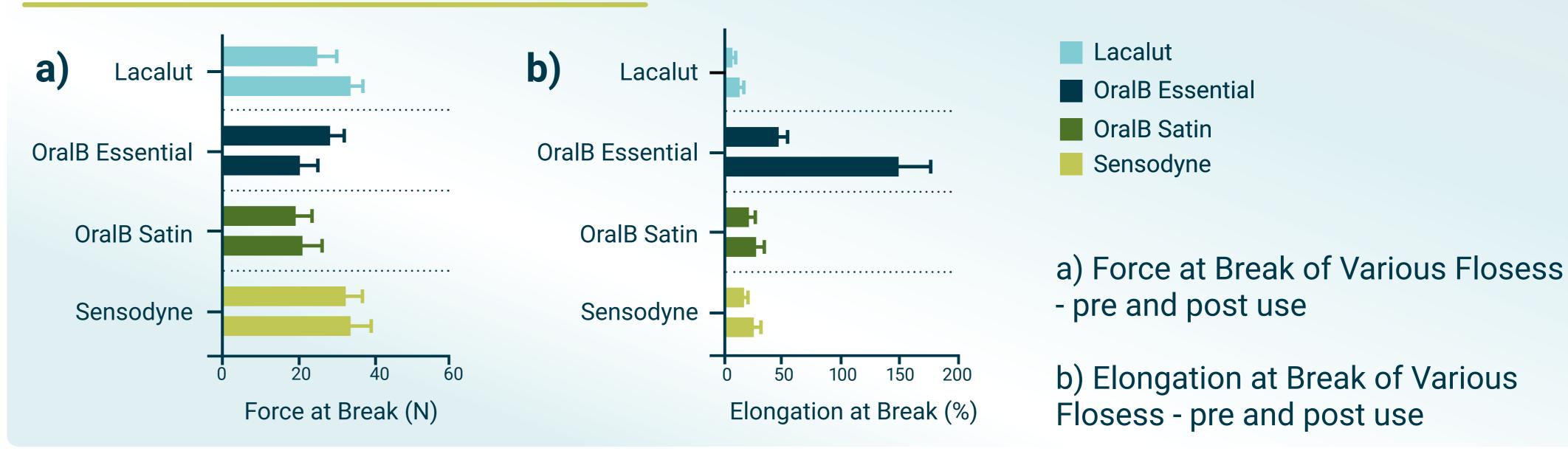


10 volunteers4 different commercial flosses10 samples of eachAsked to floss as normal



Tension Testing and Fatigue Testing of Healthy Samples Tension Testing of Used Samples Cross-verification with SEM and Optical Microscopy





CONCLUSIONS:

Maximum Force at break can be approximated by anormal distribution across all flosses, but not elongation at break due to partial breaks.

OralB Essential had the most increase in elongation at break for used samples and is the only of the studied that could sustain less force when used.

Dental professionals should consider the specifics of a person's condition and suggest a suitable floss as this study proved that they are not all omni applicable.



Stavrakis, A.K.; Kojić, S.; Petrović, B.; Nešković, I.; **Stojanović, G.M**. Performance Evaluation of Dental Flosses Pre-and Post-Utilization. Materials 2022, 15, 1522. https://doi.org/10.3390/ma15041522

