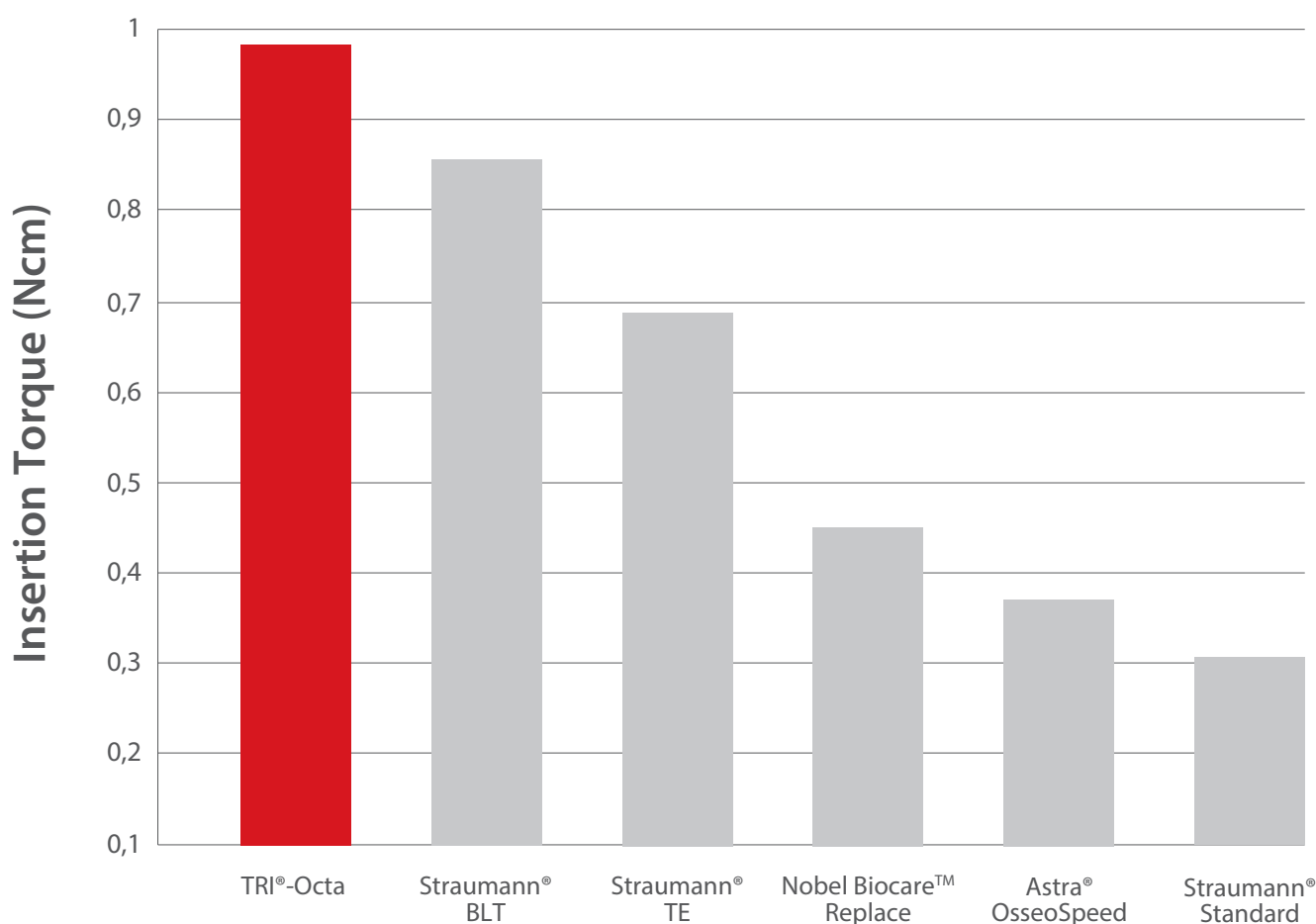


TRI® Scientific Whitepaper

Primary stability assessment of various dental implant systems

THE SOPHISTICATED BIOMECHANICAL DESIGN OF TRI® IMPLANTS (TRI® BONEADAPT) IS DESIGNED TO ACHIEVE HIGH PRIMARY STABILITY.



A high primary stability of dental implants is a key success factor especially with modern treatment concepts such as early or immediate loading. An ongoing in vitro study* evaluates the primary stability of different implants**.

The implants were inserted into artificial bone using a torque gage to determine the maximum insertion torque.

The table above shows the measured insertion torques from the tested implant systems***.

* Department for Oral Surgery, Oral Radiology and Oral Medicine, University Center for Dental Medicine, Basel, Cand. Med. Dent. R. Heuzeroth, PD Dr. Med. Dent. S. Kühl, master thesis of Cand. Med. Dent. R. Heuzeroth, raw data obtained from ongoing study, thesis not finalized or published yet.

** Models: TO41M11, 021.5510, 033.572S, 033.532S, 37291, 24942

*** The table shows the mean value of three subsequent measurements using original implants and drilling protocols into artificial bone in NCm (sawbones™). An electronic torque gauge was used to perform the measurements. Standard deviation of measurements between 0.01 and 0.07, variance between 0.0001 and 0.0044.