

The RFA Technique

Resonance Frequency Analysis (RFA) was introduced in implant dentistry more than 20 years ago. A peg attached to an implant is excited and the vibration frequency is picked up by the instrument and presented as an ISQ (Implant Stability Quotient) value.



Penguin^{RFA} measures the resonance frequency of the MultiPeg™, which depends on the stability of the implant.

The measurement scale is from 1 to 99 ISQ (Implant Stability Quotient). The ISQ value correlates strongly to the micro mobility of the implant, which in turn depends on bone quality and osseointegration. A more detailed scientific description can be found at PenguinRFA.com.



More than 700 articles on the subject have been published in peer-reviewed papers since 1996.

The Original Team

Penguin^{RFA} is the result of more than twenty years' research and development by a small, dedicated scientific team.

Their experience and close relationship with specialists across the world has been instrumental in creating the Penguin^{RFA} concept.

The projects' defining ambition has been to offer an uncomplicated and affordable concept for all clinicians working with implants.



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Penguin^{RFA} – Removes Doubt

In today's implant dentistry, the trend is to use short or no healing periods before loading. This places high demands on the clinical team. If conditions are not optimal, poor primary stability may increase the risk of implant failure. Penguin^{RFA} provides accurate and objective measurements of implant stability, serving as a reliable support when taking decisions when to load.



Monitor Osseointegration

- ▶ Reduce treatment time
- ▶ Manage risk patients

Mount the MultiTipeg™ onto the implant and the measurement is made in a second.



The ISQ scale is measured from 1 to 99 and correlates strongly to implant micro mobility. By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.

For more information and to order, please visit PenguinRFA.com

No hassle:

Reusable MultiTiegs™

Uncomplicated and affordable



MultiTipeg™ (titanium)

- ▶ Reusable
- ▶ Autoclavable
- ▶ Calibrated



MultiTipeg™ Driver

- ▶ Reusable
- ▶ Autoclavable
- ▶ Stainless steel



Penguin^{RFA} Instrument

- ▶ Handheld
- ▶ Rechargeable
- ▶ Accurate



Penguin^{RFA} Sterile Cover

- ▶ For sterile environment