

The RFA Technique

RFA (Resonance Frequency Analysis) 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 measures the resonance frequency of the Multipeg™, which will depend on the stability of the implant.

The measurement scale is from 1 to 99 ISQ. 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 idsab.com.



More than 1000 articles on the subject have been published in peer-reviewed papers since 1996.

Background

In 2015, in response to the dental community's need for an accessible ISQ measuring system, Integration Diagnostics Sweden AB (IDSAB) was founded.

IDSAB's products are designed to be uncomplicated and affordable, allowing all dentists who work with implants access to the method.

In November 2018, IDSAB became part of the Japanese company Nakanishi Inc (NSK).

In 1930, Keiichi Nakanishi founded NSK. The core business of NSK is high quality dental instruments. NSK is present in more than 135 countries and supported by 15 subsidiaries, making NSK the No. 1 player in the rotational dental instruments field.



idsab.com



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BIONIKA

penguin II

Monitor
Osseointegration



penguín II - Removes Doubt

Implant dentistry is trending towards a more limited or eliminated "healing phase" prior to loading. This adds pressure on the clinical team because, if case conditions are suboptimal, poor primary stability could increase the risk of implant failure. The Penguin solves this problem by accurately and predictably measuring implant stability to support of the dentist's decision of when to load the implant, improving outcomes for the patient.



Monitor Osseointegration

- ✔ Reduce treatment time
- ✔ Manage risk patients

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



Scan the QR-code to see the list of Multipegs™

The ISQ Scale



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 idsab.com

Easy To Use

Reusable Multipegs™
Uncomplicated and affordable



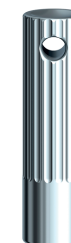
Multipeg™ (titanium)

- ✔ Reusable
- ✔ Autoclavable
- ✔ Calibrated



Penguin II Instrument

- ✔ Handheld
- ✔ Wireless charging
- ✔ Accurate



Multipeg™ Driver

- ✔ Reusable
- ✔ Autoclavable
- ✔ Stainless steel