Boost your confidence with our IS3 when loading the prosthetic

IS3

- Reduces treatment time
- Manages challenging cases

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IS3 ISQ Monitor

- The peg is excited by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the implant surface. Once attached to an implant, magnetic pulses cause the MulTipeg to vibrate. The instrument measures the frequency of the vibration and translates it to an ISQ value between 1 and 99.
- The higher the ISQ value, the better primary stability. The local bone density determines the ISQ value, and is influenced by factors such as the implant placement technique, implant design, and healing time.
- Implants with low and/or dropping ISQ values seem to pose an increased risk for failure.

Reusable MulTipeg™

MulTipegs are crafted using titanium and feature sealed magnets, allowing them to be reused up to 20 times. The primary focus of their design is twofold: prioritizing environmental considerations and ensuring cost-effectiveness.

MulTipeg™ (Titanium)

- Compatible with most implant systems
- Durable and tissue friendly peek material
- Autoclavable up to 20 times
- Optimal platform fit
- ISQ Standard calibrated

MulTipeg™ Driver

- Can be autoclaved at least 100 times
- Autoclavable
- Screwdriver and carrier

Using the IS3 system and practical use

Turn on the unit and hold the IS3 unit close to the top of the MulTipegTM. A signal from the instrument tip causes magnet pulses inside the MulTipegTM to resonate the frequency of which is detected by the unit. The result in ISQ value appears on both display screens in a matter of seconds. It is advisable to take at least two measurements, buccal and lingual.

Step 1

Select the appropriate MulTipeg™ that matches the specific implant system

Step 2

Attach the MulTipeg™ manually using the driver, applying a torque of 6-8 Ncm

Step 3

Turn on the IS4 and hold the tip of the device close to the top of the MulTipeg™

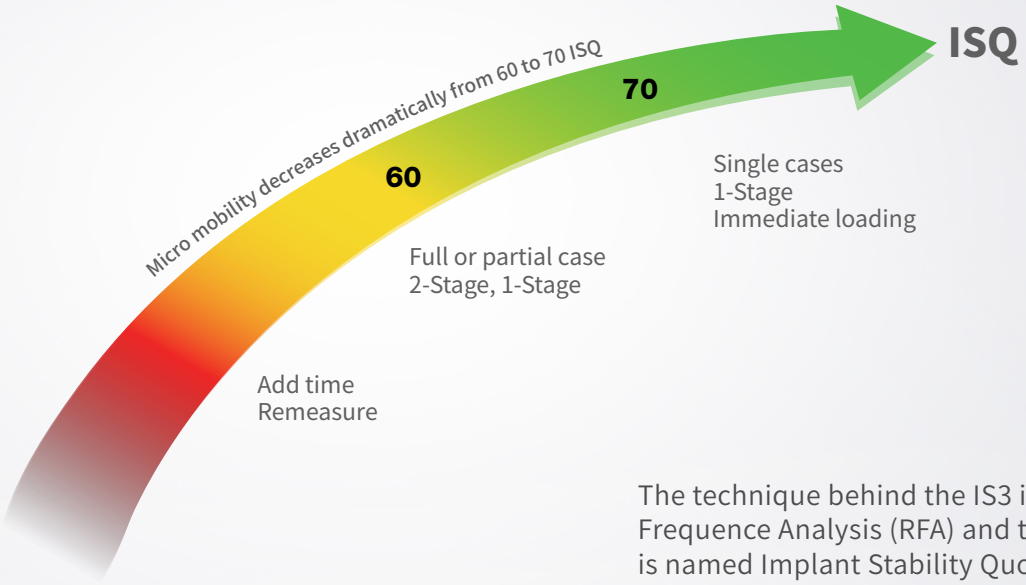
Step 4

The device will emit a beeping sound when the measuring process begins, and another sound follows a few seconds later when the ISQ value is shown on the LED display

Values above 70 means high stability and are typically recommended for one-stage and immediate loading under the clinicians supervision.

Optimized patient care

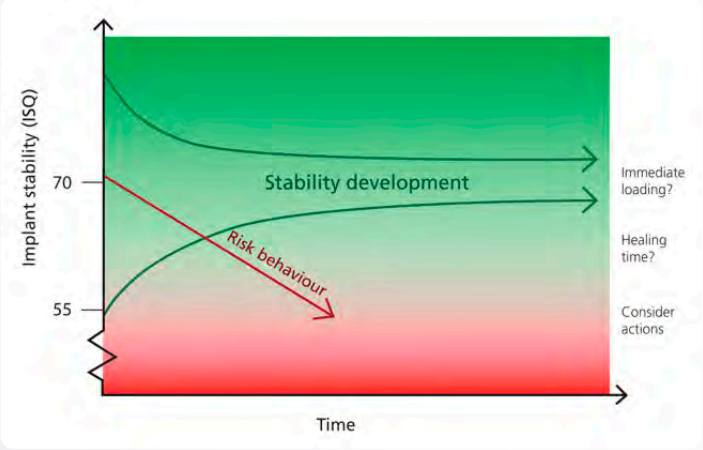
- Determines optimal loading protocol
- ISQ value greater than 70 is considered highly stable while an ISQ value less than 60 is considered low stability



The technique behind the IS3 is called Resonance Frequence Analysis (RFA) and the measurement unit is named Implant Stability Quotient (ISQ).

Treatment guidance and predictability

- Raise the implant success ratio with accurate diagnostic
- Confidence to decide the optimal loading time



Values above 70 on the ISQ scale indicate high stability and are generally recommended for one-stage implant surgery and immediate loading. This range of ISQ values suggests that the implant has achieved a level of stability that allows for successful immediate loading.

High Risk Area*

- Bruxism 71.7%
- Diabetes 71.4%
- Immediate Loading 77.5%
- Iliac Crest Block + GBR + Sinus Graft 50%
- Surgeons <5 years experience had 5x failure

Our IS3 provides sufficient information to make a decision when to load an implant. This is especially important when using procedures with shorter treatment times or treating at risk patients with/or compromised bone.

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All Hiossen Implants are processed and
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