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# EDI JOURNAL





TOPIC

## Digital workflow: from planning to implant-prosthetic restoration


BDIZ EDI
Bundesverband der implantologisch tätigen Zahnärzte in Europa e.V.
European Association of Dental Implantologists

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W&H and Osstell present result of their cooperation

# All-in-one solution for treatment planning and decision making

At the EAO's 25th Annual Scientific Congress in Paris, W&H and Osstell presented the result of their current cooperation. Launched on 1 September 2016, the new W&H Implantmed surgical device with the optional W&H Osstell ISQ module offers clinicians a unique system for a reliable assessment of the implant stability and the degree of osseointegration. The two companies presented the new all-in-one solution at the EAO congress to scientific experts from around the world. As a forum for European and international professionals, the congress offered an ideal platform for demonstrating the benefits of the new Implantmed in high-level practical trainings and expert discussions.


Photo: Claude Lepaire/Paris

W&H Managing Director Peter Malata (left) and Osstell CEO Jonas Ehinger presented the current cooperation result at the EAO congress: the new Implantmed surgical device with optional W&H Osstell ISQ module.

"With the launch of the new Implantmed, we started a close development, sales and marketing cooperation, as well as joint scientific activities with our partner Osstell. At the EAO congress, we demonstrated the unique combination of our state-of-the-art technologies and brought the benefits closer to clinicians from all over the world," explains W&H Managing Director *Peter Malata* (see interview on page 96). With the new generation of the Implantmed, W&H not only improves the surgical device's functionality but also provides an efficient, clinically proven and reliable solution for measuring the implant stability. Equipped with the optional W&H Osstell ISQ module, the clinician can monitor the implant stability and controll the healing period objectively. This leads to a significant optimization of the treatment time. The unique system not only allows clinicians an improved management, especially of patients at risk, but also delivers more comfort and satisfaction to the customers.

"We are very happy that a recognized company like W&H has chosen to partner with Osstell, with the intent to bring innovative products to the market that will help clinicians to further improve implant treatment and patient comfort. Osstell's implant stability diagnostics combined with the state-of-the-art Implantmed for the surgical placement provides a unique capability benefitting both clinicians and patients", says *Jonas Ehinger*, CEO Osstell.

Particular focus of the Implantmed presentation at the EAO booths of W&H and Osstell was put on the unique combination of the insertion torque control and the initial stability ISQ measurement. Furthermore, a patient-ID and tooth position re-

lated documentation of the insertion torque and the ISQ value supports users by providing a comprehensive and more predictable treatment protocol. With live demonstrations, interested visitors could see for themselves the functionalities of the new Implantmed and its customizable features for different applications.

**Osstell Scientific Symposium:**
**ISQ diagnostics in everyday practice**

Latest research and clinical use of the Osstell ISQ technology were presented at the Osstell Scientific Symposium on 29 September 2016. Held in conjunction with EAO 2016, the symposium provided about 250 registered clinicians with insights into the noninvasive assessment of osseointegration and implant stability by internationally renowned implant specialists. The new Implantmed with the optional W&H Osstell ISQ module was part of the case presentation of *Dr Jörg Neugebauer*, who gave exclusive insights into a safe implant treatment. In an interactive workshop, the renowned implant specialist underlined the importance of the treatment time and a predictable outcome for the clinician as well as for the patient. *Dr Neugebauer* also pointed out another advantage, namely the minimization of the number of devices required during implant placement. Users benefit from an efficient workflow and increased convenience in the surgical environment.

Strong interest among the EAO congress visitors and valuable discussions showed the high relevance of the new Implantmed with the optional Osstell ISQ module for the field of modern oral implantology. As a unique cooperation result, the all-in-one-solution developed by W&H and Osstell was one of the major talking points at the EAO congress.

**More information**

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Photo: Claude Lepaire/Paris

Interview with Peter Malata, Jonas Ehinger and Professor Neil Meredith

# W&H and Osstell: a perfect match

As a surprise to the market, the Austrian family-run enterprise W&H at EAO in Paris announced its exclusive cooperation with the renowned Swedish company Osstell, together with its presentation of the new Implantmed generation. The new Implantmed impresses with numerous optimized features designed to satisfy today's needs in implant dentistry, periodontal and maxillofacial surgery. On top, Implantmed is available with an optional W&H Osstell ISQ module to measure the stability of an implant and, thus, control the healing period and optimize treatment times. EDI Journal met W&H CEO Peter Malata, Osstell CEO Jonas Ehinger and Professor Neil Meredith, who originally developed the resonance frequency analysis (RFA) method.

***What gave you the idea of your cooperation to begin with and which company will benefit more?***

***Malata:*** You can speak of a triple win rather than a win-win situation here: We are both family-run or midsize companies with a strong innovative strain, so talks started very easily. With the unique combination of our state-of-the-art technologies, we can bring clear benefits closer to clinicians from all over the world and to their patients.

***Ehinger:*** Another advantage of proprietor-led businesses like ours is that we accept each other's individualist approaches. We join forces as a winning team, but we also respect the individual history of each other.

***What are the crucial benefits for the clinician?***

***Malata:*** Implantmed stands for ease of operation. The guiding principle behind the user interface of the new generation was to integrate innovative functions which support an intuitive use. The aim is to make day-to-day work considerably simpler for both the surgeon and the dental nurse. In addition, the new surgical device presents a number of further improvements, such as an extremely small and lightweight motor, a wireless foot control and the best weight-torque relation you will find in the market.

***Ehinger:*** Optionally, the new Implantmed can be equipped with the Osstell ISQ module as an efficient, clinically proven and reliable solution for measuring implant stability. Our implant stability diagnostics together with the sophisticated Implantmed for the surgical placement provides a unique capability benefitting both clinicians and their patients.

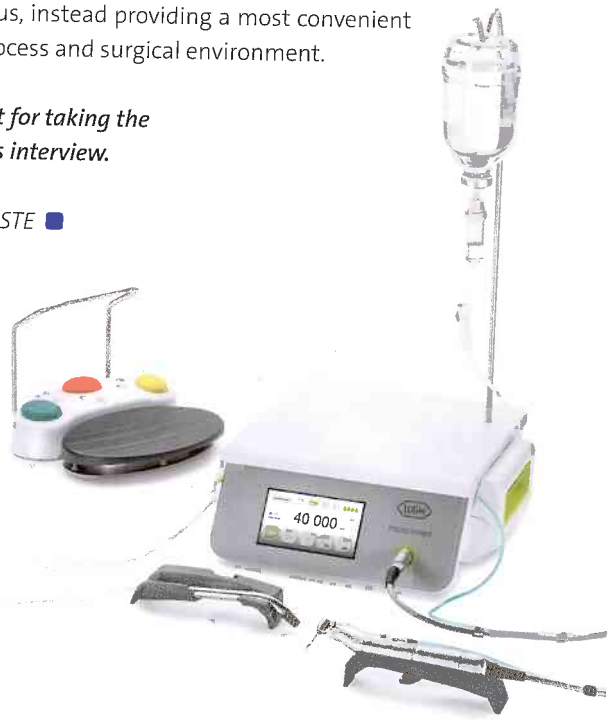
***Why do you consider it vital for yourself and your patients to measure implant stability and to monitor osseointegration?***

***Meredith:*** Today, workflows in implant dentistry tend to be quicker, patients demand chairside solutions, implantations into extraction sites, immediate restorations or even immediate loading protocols. With this, you do not only need to know your implant's stability, but you had better also have a good documentation of it, both for yourself and for forensic reasons. With the Osstell, you get a proven diagnostic assurance and great prognostic values for your treatment. Combined with the Implantmed, which shows advanced ergonomic features I have never experienced before, both for myself and the assistants, it is a perfect match for many of today's challenges. Not to forget: It is a great tool for teaching, for explaining the biological process of implant stability and osseointegration to our students and dentists in postgraduate training for dental implantology. And the menu and guidance of the combined setting is extremely intuitive and user-friendly.

***Malata:*** For the first time, you have this unique combination of insertion torque control and the initial-stability ISQ measurement. Moreover, documentation of both these parameters by patient ID and tooth position facilitates a comprehensive and more predictable treatment protocol. All these benefits are available with no additional complicated apparatus, instead providing a most convenient working process and surgical environment.

***Thanks a lot for taking the time for this interview.***

*STE* ■




# Excellent results with Thommen Medical implants

A clinical study conducted by a group of scientists from Peking University School and Hospital of Stomatology, Beijing, China, and published in Clinical Implant Dentistry and Related Research[1,2], shows excellent results for Thommen Medical implants length 6.5 mm with superhydrophilic Inicell surface in severely atrophic posterior maxillae.

The prospective, randomized controlled clinical study shows that the two-year performances of short hydrophilic implants (6.5 mm) placed with osteotome sinus floor elevation procedures are similar to conventional long implants placed with lateral sinus floor elevation with bone grafting in severely atrophic posterior maxillae. Hydrophilic surfaces may be a favourable choice for patients with limited residual bone height as these implants can be loaded early in the elevated sinus, which contributes to the positive outcomes. ■

[1] Huajie Yu, Xing Wang, Lixin Qiu: Outcomes of 6.5-mm Hydrophilic Implants and Long Implants Placed with Lateral Sinus Floor Elevation in the Atrophic Posterior Maxilla: A Prospective, Randomized Controlled Clinical Comparison. Clinical Implant Dentistry and Related Research, Volume 00, Number 00, 2016 (Early view online version: DOI 10.1111/cid.12439).

[2] Clinical Implant Dentistry and Related Research is rated with impact factor 4.152 (Ranking: # 4/89) in the listing for journals on Dentistry, Oral Surgery & Medicine 2015 JCR Science Edition.

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