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Good impression made at Renishaw dental seminars

Over 100 dental professionals attended the recent 'Process to Precision' evening seminars held by Renishaw plc, the UK-based manufacturer of the new incise™ all-ceramic CAD/CAM system. The two seminars, held at Celtic Manor near Newport and at Renishaw's Gloucestershire headquarters, introduced all members of the dental team to the importance of their roles within the latest CAD/CAM processes, and included a well received talk by Dr David Winkler, an internationally respected expert on aesthetic dentistry.

Dr David Winkler DDS, spoke about his personal experiences within aesthetic dentistry

The seminar events covered three key areas - the clinical evidence for the benefits of CAD/CAM, the science behind good restoration fit, and dental metrology. This included the importance of marginal fit, metal-free dentistry and the use of zirconia, impression taking techniques, traditional practice versus CAD/CAM, and how to choose the best impression materials.

Of special interest to many attendees was advice on how best to prepare teeth and take accurate impressions for all CAD/CAM systems, which drew on Renishaw's unique research into impression materials and the impression taking process.

There was also an introduction to the new incise™ CAD/CAM process, with demonstrations of the dental scanner and software, plus a presentation by Dr Mandy Bunce, who illustrated the excellent aesthetic results and fast gingival recovery she is experiencing with incise™ restorations.

Speaking about the two events, Bryan Austin, General Manager of Renishaw's Dental Products Division said, "With a strong background in engineering, it is natural for Renishaw to take a team approach when searching for the best solutions to meet customers' requirements. The seminars are a valuable opportunity to meet the dentists who will fit our restorations, to receive their feedback on our research findings, and hear about their experiences with incise™ and other CAD/CAM systems."

All attendees at the seminar qualified for two verifiable CPD hours and also received a voucher entitling them to a discount off their first order for an incise™ crown or bridge, placed with an incise™ partner laboratory.

The next 'Process to Precision' evening seminar takes place on board HMS Belfast, London, on Thursday April 19th. Places are limited, so to book a free place, interested dental professionals should speak to Fiona Barnett at Renishaw on 01453 524479, or email fiona.barnett@renishaw.com

Background notes
CAD/CAM is experiencing the fastest growth in any area of dentistry. The technology impacts directly on the clinical and laboratory processes and will bring dramatic improvements in productivity and profitability. Advanced performance ceramics that can be manufactured to within very precise limits are today making metal-free dentistry a reality.

Metal free dentistry
Today, more and more patients are concerned about the long term effects of dental amalgams and the use of non-precious metals in dentistry. The introduction of medical grade zirconia gives dentists the ability to fit exceptionally durable crowns and bridges with superb aesthetics. Zirconia has been used for many years to manufacture prosthetic appliances used in orthopaedic reconstruction, with a long history of biocompatibility and safety.

incise™ precision fit ceramics
At the centre of Renishaw's new incise™ CAD/CAM system is a precise end-to-end manufacturing process controlled by science. The process incorporates the use of contact scanning techniques that have been certificated to recognised international standards. The data collected either at the surgery or laboratory is sent to Renishaw, where it is used to create a coping or framework machined from hard state zirconia. Every Renishaw coping or framework is supplied with a 10 year warranty and a Certificate of fit analysis.

incise™ scanners
The creation of electronic data with the incise™ scanner brings a new dimension to the understanding of the importance of clinical design and tooth preparation. The software created by Renishaw illustrates to the dental team in graphic detail any flaws or imperfections in their techniques and an ability to provide solutions based upon clinical and technical excellence.

About Renishaw
Renishaw is a UK-based world leader in precision measurement and manufacturing technologies. Its research has led to a unique understanding of the behaviour of impression and model materials, plus the ability to machine zirconia frameworks in the hard state, eliminating errors caused by sintering processes.

The company recently announced the UK introduction of its incise™ metal-free dental CAD/CAM system, the only process available to the dental market that will certify the quality of fit for manufactured ceramic restorations. Renishaw has a dental training facility at its headquarters in Wotton-under-Edge, Gloucestershire.

Dr David Winkler DDS
Dr David Winkler received his DDS in dentistry from the Royal Dental College of Copenhagen, Denmark, in 1983 after having worked as a dental technician for three years.

In 1998 he moved to Windsor, UK, to work with Dr Tidu Mankoo at the Windsor Centre for Advanced Dentistry. For the past decade, he has served as clinical evaluator for CRA (Clinical Research Associates), and since 1992 has been a member of the Reality Editorial Team.

He is a Past President of the prestigious European Academy of Esthetic Dentistry and co-founded and served as President of the Scandinavian Academy of Esthetic Dentistry for a number of years. He is a Fellow of the International College of Dentists (FICD) and serves on the advisory board of the "Journal of Esthetic & Restorative Dentistry" and "Practical Procedures and Aesthetic Dentistry" and consults for various dental companies. He lectures internationally on aesthetic dentistry and general dental materials & procedures.

www.renishaw.info/incise