

# DTS Education Highlights

Friday 17th May

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## Let's Get Things Straight

Rowland M. Gardner, Head of Dental/MPT Technology, King's College Hospital NHS Trust

For five decades treatments have evolved then disappeared, and then remerge as the next best thing. Experiencing trends first hand, applying a multidisciplinary approach to laboratory techniques, some red lines will be challenged. Demonstrating how innovation brought about by close collaborative working within the parameters of evidence based dentistry brings about change.

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## All-Ceramics: The complete overview

Tom Behaeghel, Technical Advisor North/West Europe, Vita Zahnfabrik H. Rauter GmbH

The digital world knows no limits and keeps developing within our profession at great speed. Not only new techniques like intra-oral scanning or printing are introduced, but also a variety of new restorative materials.

Dentists and dental technician are expected to fully understand those new materials and know how, when & where to use them. Although information can be found anywhere, many colleagues still struggle to keep an overview. Unfortunately, choosing the wrong material often leads to problems, stress and an unsatisfied patient.

That's why it's important we know these materials properties, so we can choose the right material for the right situation.

During this lecture we would like to give you a complete overview of all Indirect all-ceramic material classes used today. We'll explain their indication & contra-indication, properties, bonding-protocol, latest scientific research, etc.

Learning outcomes:

- Indirect restorative materials
- Adhesive bonding
- Improving aesthetics
- Digital Shadetaking

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## CDD – Computer Dental Diagnostic

Sean Wilkinson, Zirkonzahn CAD/CAM technician, R&D

The challenge of digital workflows is how to transfer and combine patient's data properly in the virtual world. DT Sean Wilkinson will explain the modern concept of Computer Dental Diagnostic. By demonstrating patient cases, he will perform an in-depth analysis of the latest state-of-the-art devices for a smooth, individual workflow that relies on the 1:1 transfer of the patient's specific situation into the software, for the creation of predictable, reproducible and 100% individual restorations.

Learning outcomes:

- Examine an innovative approach for digital patient analysis based on the 1:1 transfer of the patient's data into the virtual world, for predictable, reproducible and 100% individual restorations
- Assess the importance of digital technology in everyday workflow, focusing on the advantages of a 3D virtual patient-based treatment planning (matching intraoral, model, facial and DICOM data) to enhance patient satisfaction
- Analyse new solutions for implant planning that simplify the communication between dentists and dental technicians boosting their cooperation
- Explain the use of the digital axiograph for capturing the patient's jaw relation

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## Digital Technology

Eimear O'Connell, BDS (Edin, 1992) MFGDP, DiplmpDent RCS Ed FFGDP, Principal Dentist, Bite Dentistry

The use of digital technology to increase the profitability, predictability, and pleasurability of providing dental solutions for our patients.

Lesson outcomes:

- Understanding scanning & planning
- Application of digital tools to increase profit
- The many ways technology can help our practices develop

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17th & 18th May 2019,  
NEC Birmingham

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## Rehabilitation of the Maxillectomy patient

Jennifer Alexander, Specialist Orthodontic/  
Prosthodontic Technologist, NHS Ayrshire & Arran

Three patients were selected for rehabilitation of maxillary defects; this presentation will systematically describe each one in turn.

Lesson outcomes:

- Identify different types of maxillary defect classifications.
- Learn different techniques of materials and methods used for maxillary obturator defects.
- Learn the benefits of the chosen methods for each patient.



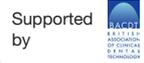
## Post-Registration Qualifications In Dental Technology. What Are Your Options?

Chet Geisel, Senior Lecturer, Cardiff Metropolitan University

There are several options available for postgraduate qualifications in dental technology around the UK. The advantages are often overlooked- this brief overview will give an understanding of what is available and why you may benefit from undertaking a postgraduate programme in dental technology.

Lesson outcomes:

- Knowledge of postgraduate dental technology options
- Understanding of the Education Levels in the UK
- What benefits there may be to postgraduate qualifications



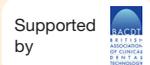
## Immediate Loading, Prosthetic planning to final fit

Steve Taylor, Partner, Taylor Dental Technology Centre

The presentation will cover the prosthetic planning that can be undertaken prior to the immediate load day. A working procedure will then be outlined to show how any problems encountered on the day can be efficiently overcome.

Lesson outcomes:

- Provide an insight into fixed implant prosthetics planning
- Show a working procedure and the role of the technician on the day
- Highlight techniques that will help overcome problems encountered on the day



## Medical Device Regulation – What does it mean for the dental team?

James Green, Maxillofacial and Dental Laboratory Manager, Great Ormond Street Hospital for Children NHS Foundation Trust / Mid Essex Hospital Services NHS Trust / North Thames Cleft Centre

The Medical Device Regulation (MDR) entered into force on 25 May 2017, replacing the existing Medical Devices Directives (MDD), and will apply after a three year transitional period. This presentation will aim to explain how the new regulations will affect dental professionals who fabricate and provide dental appliances / restorations.

Lesson outcomes:

- Gain an insight into the history of medical device regulation in the UK.
- Gain an understanding of the key differences between the Medical Devices Directives (MDD) and the new Medical Device Regulation (MDR).
- Gain an understanding of which Articles of the MDR relate to the fabrication and provision of dental appliances / restorations and which do not.



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