The Next Generation of Denture Courses
Education Programme for 2012/13

Course Leaders: Marc Northover & Andrew Taylor
Welcome to the removable revolution

The removable revolution is well under way, with hundreds of Dental Technicians evolving into the next generation of denture experts. Clinical Dental Technicians now work in everyday partnerships with Implant Dentists, pursuing the ideal goal of providing edentulous patients with implant assisted dentures that are comparable in function to natural teeth.

I am very pleased to offer a course programme that will deliver everything you need to respond to the challenges of working in the business of denture prosthetics today. With my CDT colleague Andrew Taylor, I will focus on SR Phonares II, the next generation of denture teeth, and SR Ivobase, the fully automated electronic injection moulding device. Together they set a new quality standard in denture manufacture for more lifelike, precise and long-lasting results.

Ivoclar Vivadent's training centres here in the UK and Liechtenstein offer everything you'd expect from a world-class facility and more, being equipped with the latest technology and furnished to uphold the highest standards. With an established reputation for excellence across the dental industry, Ivoclar Vivadent's core philosophy is one of providing the highest standards in quality and care with Passion, Vision and Innovation. This ethos coupled with its many years of experience underpin everything that the company does.

I will make sure that you make the best of your learning and development. Wherever you are in your career I will assist with the technical and clinical support you need to excel in your role, plus the ongoing support you need to implement your new skills and knowledge through one-to-one tuition and mentoring. If you are ready to take your career to the next level then I look forward to seeing you soon!

Marc Northover, Clinical Dental Technician

"It is essential for all members of the dental team to both maintain their current skills and undertake further training and development to improve the quality of their patient care. Finding good courses for CDTs is hard, but here are a series of excellent opportunities which are realistic, professional and relevant and provide a new dimension to CDT patient care."

Professor Stephen Lambert-Humble MBE
Lead Dean for DCPs

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During this one day hands-on technical course, the benefits of the new SR Phonares II denture teeth will be discussed in combination with SR Ivobase, the very latest fully automated injection moulding system.

**Next generation denture teeth**

The latest generation of SR Phonares II now offers an expanded range of use to the customer in particular cases that place the teeth under high masticatory force such as in implant supported restorations. The material’s molecular components have been optimised to increase its toughness with a higher resistance to wear and chipping when under pressure. Other benefits of the material include the reduction of opalescence and reduced brightness when in the mouth, low affinity to plaque and a precise shade match to the A-D shade systems.

SR Phonares II tooth moulds have been designed to match the gender, age and characteristics of the individual patient. The tooth moulds are available with ‘soft’ and ‘bold’ characteristics. Each soft and bold category is further subdivided into the three age groups: youthful, universal and mature. SR Phonares II is distinguished by a high quality surface texture that reproduces the mild true-to-nature ripple effect seen on natural enamel surfaces. The proximal surfaces are designed to tightly fit together in a unique ‘Set & Fit’ design enhancing the ‘visible anteriority’ of the restoration and allowing for a more natural looking gingival architecture.

**Precision dentures at the touch of a button**

Participants will also learn about the new SR Ivobase system, a new fully automated electronic injection moulding device that combines the positive properties of self-cured and heat-cured polymers. This symbiosis of two chemical worlds forms a new quality standard, creating a hybrid denture base material with an extremely high accuracy of fit plus very low thermal shrinkage, high material density, high fracture toughness, and low residual monomer content, all achieved within a relatively short curing time.

This new system enables the user to create tissue-friendly dentures using a high-precision, fully automated working procedure. The chemical shrinkage of the material is fully compensated during the polymerisation process due to the patented thermal management of the flask and the heating system. This allows the fabrication of high-precision denture bases offering unparalleled accuracy of fit.
This introductory one day clinical course is designed for Clinical Dental Technicians who wish to improve their existing knowledge of full arch prosthetics. It includes clinical demonstrations, lectures and discussion.

The Biofunctional Prosthetic System (BPS)
The latest developments within the BPS denture system provide solutions to many prosthetic difficulties encountered when treating patients with edentulism, and when planning for implant retained full arch prosthetics. The BPS protocol involves implementing standardised clinical and laboratory techniques which help to create dentures with enhanced appearance and optimised performance. By attending this course you will gain the skills that you need to treat the edentulous patient with this system, and also gain a better understanding of the latest generation of denture teeth – SR Phonares II – and learn about the new SR Ivobase system, a fully automated electronic injection moulding device that produces precision denture bases offering unparalleled accuracy of fit and fracture toughness.

Put your clinical skills to the test
The first half of this course will detail the use of each clinical component of the BPS system; the course leaders will demonstrate the application of the system for each appointment when treating the edentulous patient. You will see at first hand just how simple it can be to capture all of the precise information you need to restore the smile and face to its correct natural proportions. We will look at recording the Vertical Dimension of Occlusion and Centric Relation using the Gnathometer M gothic arch tracing appliance and dual mouth impressions. During the second half of the course, participants will then treat a patient using the techniques demonstrated.

The techniques used here will ensure that only the highest standards of care are provided and that your full arch denture treatment is planned correctly.

The Biofunctional Prosthetic System in Clinical Dental Technology
Course Leaders: Marc Northover, Clinical Dental Technician
Andrew Taylor, Clinical Dental Technician
CPD: 6 Hours
Fee: £295 plus VAT

Aims and objectives plus learning outcomes
- Understand the complementary clinical components of the Biofunctional Prosthetic System with a particular emphasis on full arch prosthetics
- Learn to incorporate the BPS system when planning treatment of the edentulous arch
- Learn to correctly record the important anatomical landmarks for full arch prosthetics with primary two-stage alginate impressions
- Learn the importance of dual mouth functional impressions in full arch prosthetics
- Learn to objectively evaluate the patient’s OVD and CR by use of a gothic arch tracing system
- Learn to check, chart and solve working and balance side contacts of complete dentures
- Understand the next generation of the technical components of the Biofunctional Prosthetic System with particular emphasis to full arch prosthetics
- Understand the use of ideal reference points for full arch prosthetics – median plane, horizontal plane, Camper’s plane, Bonwill triangle and Balkwill angle
- Learn to analyse edentulous casts identifying the stable reference points important for the restoration of the full arch using complete dentures
- Understand the next generation of the technical components of the Biofunctional Prosthetic System with particular emphasis to full arch prosthetics
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Location & Dates
Changing Faces Denture Clinic, Birmingham
Saturday 11th August 2012
Saturday 15th September 2012
Saturday 20th October 2012
Saturday 17th November 2012
Saturday 26th January 2013
Saturday 23rd February 2013
Saturday 23rd March 2013
Saturday 18th May 2013
Saturday 22nd June 2013

Michael
“My new dentures have made me look years younger”

Diane
“The results are truly fantastic”
Full Arch Prosthetics, Technical & Clinical

The Biofunctional Prosthetic System in Clinical Dental Technology

Course Leaders:
Marc Northover, Clinical Dental Technician
Andrew Taylor, Clinical Dental Technician

CPO: 36 Hours

Fee: £1495 plus VAT

This course is held at the world-renowned International Centre for Dental Education, Liechtenstein, located next to Ivoclar Vivadent’s innovative manufacturing and development headquarters. The course is designed exclusively for UK Clinical Dental Technicians of all levels who wish to improve their existing knowledge of full arch prosthetics and includes clinical demonstrations, lectures and discussion. By attending this course you will receive the tuition you need to acquire the skills to treat the edentulous patient with the BPS denture system and also gain a better understanding of the latest generation of denture teeth SR Phonares II. Learn about the new SR Ivobase injection mounding system and the use of SR Nexico composite paste for characterisation of teeth and gingiva.

The Biofunctional Prosthetic System (BPS)
The latest product developments within the BPS denture system continue to provide solutions to many difficulties Clinical Dental Technicians encounter when treating the edentulous patient. The BPS protocol involves implementing standardised clinical and laboratory techniques which when coordinated together help to create dentures with enhanced appearance and optimised performance.

Throughout the period of the course, each participant will construct complete dentures using the next generation of denture products SR Phonares II, SR Ivobase and SR Nexico.

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With the help of the course leaders, each participant will treat an edentulous patient using the clinical components of the BPS system including:

• AccuDent System 1 primary edentulous alginate impression technique
• Centric tray preliminary occlusal record
• Dual mouth, functional, border moulded and wash impression system using the Virtual silicone system
• Recording of the vertical dimension of occlusion and centric relation with the gothic arch tracing system Gnathometer M

Throughout the period of the course, each participant will construct complete dentures using the next generation of denture products SR Phonares II, SR Ivobase and SR Nexico.
Aims and Objectives: Clinical
• Understand the complementary clinical components of the Biofunctional Prosthetic System with a particular emphasis on full arch prosthetics
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• Learn to objectively establish the patient’s OVD and CR by use of a gothic arch tracing system
• Learn to check chairside the working and balancing side contacts of complete dentures

Aims and Objectives: Technical
• Understand the next generation of the technical components of the Biofunctional Prosthetic System with particular emphasis on full arch prosthetics
• Understand the use of ideal reference points for full arch prosthetics – median plane, horizontal plane, Camper’s plane, Bonwill triangle and Balkwill angle
• Learn to analyse edentulous casts identifying the stable reference points important for the restoration of the full arch using complete dentures
• Learn about the materials science of the latest generation of Nano Hybrid Composite material used in the fabrication of the SR Phonares II denture teeth
• Learn a procedure for setting up SR Phonares II denture teeth for full arch impression
• Learn to operate the automated injection moulding device SR Ivobase
• Learn about the materials science of SR Ivobase Hybrid and SR Ivobase High Impact denture base materials
• Learn about the materials science of SR Nexco laboratory composite
• Learn to use SR Nexco paste for the characterisation of artificial teeth and gingiva

Location & Dates
International Centre for Dental Education, Schaan, Liechtenstein
Dates to be announced

SR Phonares II – Next generation denture teeth
SR Phonares II teeth would have been designed to match the gender, age and characteristics of the individual patient with ‘soft’ and ‘bold’ characteristics subdivided further into age groups youthful, universal and mature. The proximal surfaces are designed to tightly fit together in a unique ‘Set & Fit’ design allowing you to position the teeth in relation to the patient’s TMJ and occlusal scheme. The latest generation of the tooth materials molecular components has increased in toughness with a higher resistance to wear and chipping when under pressure, plus a low affinity to plaque.

SR Ivobase – Precision dentures at the touch of a button
Participants will learn to fabricate high-precision denture bases using the new SR Ivobase system fully automated electronic injection moulding device, which combines the positive properties of self and heat cured polymers. This synthesis of two chemical worlds forms a new quality standard, creating a hybrid denture base material with an extremely high accuracy of fit, very low thermal shrinkage, high material density, high fracture toughness and a tissue friendly low residual monomer content.

SR Nexco – Lifelike appearance: Aesthetics made easy
SR Nexco is a next generation flexible laboratory composite cured only with light. During the course each CDT will learn the advanced application of the material for multi-layered prosthetic gingiva upon the processed SR Ivobase material and the modifications’ characterisation of SR Phonares II teeth. The micro opal fillers provide a true to nature appearance with optical properties that perfectly match that of SR Phonares II and the vitality of a natural tooth. The SR Nexco A-D shades have been specially designed to perfectly blend with those of the SR Phonares II denture teeth.

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Restoration of natural facial proportion using BPS dentures

Location & Dates
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Location & Dates
International Centre for Dental Education, Schaan, Liechtenstein
Dates to be announced
Personalised learning for Clinical Dental Technicians

One-to-One with Marc Northover

Course Leader: Marc Northover, Clinical Dental Technician

Fee: £3000 plus VAT

Marc’s aim is to transfer the skills he has gained in using and teaching the clinical and technical aspects of the BPS system in one-to-One or One-to-One, in order to firstly learn and develop your skills in full arch prostheses and help you make transitions in knowledge, work and thinking in this area of dentistry.

The exclusive One-To-One tuition takes into account your interests and experience in full arch prosthetics and can be designed around your personal needs. During your time together with Marc you will complete clinical sessions, laboratory sessions and discussion. To achieve this, you will learn through work treating three edentulous patients by appointment from initial consultation through to try-in. This will be achieved in a ‘live’ clinical environment and by working together in the dental laboratory.

With this One-To-One training, you will become a knowledgeable operator of the complete BPS system including the use of latest generation of SR Phonares II and SR Ivobase and gain from Marc’s experience, enabling you to take full advantage of your tuition when treating your edentulous patients.

One-to-One with Marc Northover

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One-to-One learning for Clinical Dental Technicians

CPD: 24 Hours

Fee: £3000 plus VAT

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In co-ordination with good patient management, the techniques passed on to you will help you produce a more predictable outcome and give you the extra confidence in your day-to-day work with edentulous patients.

“I was looking for a course to develop my skills and offer my patients the latest and best dentures available. Since completing this course I have certainly improved as a CDT and have implemented what I learned and the results are superb. I found Marc to be a pleasure to work with. His skill, knowledge and his demeanour on top class. CPD has never been so fun, it was that good I would do it again.”

Paul Harrison, Clinical Dental Technician
Harrison Denture Clinic

“I attended a 2 day one-to-one personalised learning programme with Marc that he designed specifically for my needs. The level of training made me feel very confident in my new work with patients. The course content left me feeling revitalised as a Dental Technician and excited about moving forward with my education as a CDT. I am looking forward to working to the best of my ability using the BPS products and giving my patients thirty years of experience.”

Brendan Hudson, Dental Technician
Founder of PDS Dental Laboratory and student Clinical Dental Technician

Marc Northover, Clinical Dental Technician

SR Phonares II, moulds S71

Before

After

SR Phonares II, moulds S71

Over the past four years, I have attended several courses presented by Marc and Andrew from the BPS technical, to ‘one to one’ advanced clinical courses. The blend of professionalism & approachability they demonstrate cannot be overstated. I would recommend & encourage any Technician or CDT interested in improving their clinical winning new techniques to consider attending one of the many courses they offer.”

Mike Brindle, Clinical Dental Technician

Clinical Lead, CDT Lecture, University of Central Lancashire
Andrew Taylor, Clinical Dental Technician

Course Leader

Clinical Dental Technician Andrew Taylor has worked as a lecturer and Opinion Leader on behalf of Ivoclar Vivadent for the last 5 years, delivering courses in all aspects of dental precision. For a large part of his career he managed a prestigious prosthetics department at Phoenix Dental Castings in Exeter; he now offers a bespoke service to a number of key UK dental clients from his own private laboratory, and also works as a Clinical Dental Technician from his Devon-based Changing Faces® Denture Clinic. Andrew combines the skills he has developed with his natural artistic flair, accuracy and finesse, creating dentures that are very difficult to distinguish from real teeth. He has been taught by the UK’s most talented prosthetists and is keen to pass his knowledge onto others. He works with Ivoclar Vivadent and offers the self-curing polymers to support this ethos. Those who attend Andrew’s courses will find an approachable, energetic and enthusiastic lecturer.

Marc Northover, Clinical Dental Technician

Course Leader

Clinical Dental Technician Marc Northover has been a member of Ivoclar Vivadent’s International team of Opinion Leaders for more than 10 years, and now dedicates much of his time to pioneering the latest techniques in Clinical Dental Technology. He has lectured extensively on full arch prosthetics, and works closely with the UK’s leading Dentists, Dental Technicians and ECDs. Marc is the co-founder of Charging Faces® Dentistry – a company that specialises in the integration of Clinical Dental Technology into private practice. He currently manages a Charging Faces® Dentures Clinic franchise in Birmingham offering the highest standards of care as part of a multidisciplinary team. His pioneering approach to Clinical Dental Technology, exemplary patient care and expertise were recognised with the Clinical Dental Technician of the Year Award at the 2009 and 2010 Dental Awards. Marc is an advocate of ‘learning through work’ and also offers mentoring and personalised learning programmes from his private practice.

If you have a question about the courses, please contact Marc or Andrew direct:

- marc@changingfacesdentures.co.uk  n  07930111787
- andrew@changingfacesdentures.co.uk  n  07942015767

On the Test Bench

Our courses only use tried and tested techniques developed from many years of practice combined with the most innovative products available. The latest innovations of SR Phonares II and SR IvoBase are now used throughout our programmes and set an entirely new material standard whilst optimising the production of precision dentures.

Special properties

**PHONARES II**

<table>
<thead>
<tr>
<th>Shear strength</th>
<th>Compressive strength</th>
<th>Resistance to wear</th>
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</thead>
<tbody>
<tr>
<td>B05 147 polymers</td>
<td>B15 192 polymers</td>
<td>B35 358 polymers</td>
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<tr>
<td>32%</td>
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**IvoBase®**

Standards for high impact resistant materials

<table>
<thead>
<tr>
<th>Pin on block denture base material</th>
<th>Volume shrinkage</th>
<th>Residual monomer content</th>
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<tbody>
<tr>
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<td>1.00</td>
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<tr>
<td>self-curing PMMA</td>
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</tr>
<tr>
<td>competitor B</td>
<td>1.50</td>
<td>0.50</td>
</tr>
</tbody>
</table>

Special properties

- Highly cross-linked PMMA
- Self-curing polymer
- Heat-curing polymer
- Conventional denture base material
- Hybrid denture base material
- Compressive strength in MPa
- Residual monomer content (%)
Partners in progress

Ready to take your career to the next level!
To book your course go to:
www.dental-education.co.uk