

Member Newsletter



PanDental Society Conference 11-12th November 2016, ICC Birmingham

See inside for details...



President's Editorial

Michael Fenlon

As President of the British Society of Prosthodontics for the year 2016 – 2017, I am delighted to welcome you. It is a great honour to serve as President of our Society.

The 2017 Annual Conference will be held in London on Thursday 6th April and Friday 7th April 2017. The theme of the conference is the digital revolution in Prosthodontics. The conference venue is 155 Bishopsgate next to Liverpool Street in the heart of the City of London. The conference centre has a capacity of up to 800, with modern audio-visual support and a number of auditoria. The facility allows the Early Practitioners Group and the Oncology Group to have parallel sessions with speakers dedicated to their particular interests. We have lined up a spectacular set of speakers with national and international profiles. The conference dinner will be held at the Institute of Engineering and Technology on the river Thames with iconic views of the London Eye and the Houses of Parliament. It is a short walk from the conference centre. Preferential rates for accommodation in a range of reasonably price and more luxurious hotels near the venue have been arranged. The 2017 London Conference will build on the ever increasing success of British Society of Prosthodontics conferences of the last decade. London is one of the great cities of the world with its museums, galleries, theatres and historic landmarks, it is well worth a visit. London has excellent transport links with every part of the United Kingdom and beyond.

While the annual conference is an important event in the British Society of Prosthodontics calendar, it is by no means the only activity of the Society. The Society is jointly hosting the November meeting of the Pan Dental Society at the International



Convention Centre (ICC) in Birmingham. Members enjoy preferential rates to attend that meeting.

From the autumn of 2016 the very successful British Society of Prosthodontics webinar series will recommence with more interesting and topical presentations, which are free to members.

Your Council members and Honorary Officers represent the interests of the membership and of Prosthodontics on many bodies and committees involved in policy, training and direction. These activities, often invisible to members make a major, if unrecognised, contribution to protecting members' interests and promoting Prosthodontics in the United Kingdom. For the efforts of all those who serve the society and its membership I am very grateful.

I wish my fellow members every success, I hope you make maximum use of the many benefits of your membership and I hope to meet all of you at the London 2017 Conference.

News Bites

Jennifer Jalili, Editor

PanDental Society Conference

The third PanDental Society Conference will be held on the 11-12th November 2016 at the ICC Birmingham.

The BSRD / BSSPD programme on Friday is packed with excellent speakers and topics, and the day will be rounded up with a treatment planning panel. Information on all the programmes and the groundbreaking 3D presentation technology can be found on <http://www.pandental.co.uk/>.

BSSPD members also enjoy preferential rates so book your place on what looks to be an excellent two days.

Multi-Disciplinary Hypodontia Clinics

The Ectodermal Dysplasia Society is a charity dedicated to improving the health and wellbeing of people whose lives are affected by Ectodermal Dysplasia (ED). Although the Society is based in the UK it supports individuals, families and professionals worldwide.

Its web site (ectodermaldysplasia.org) includes a list of multi-disciplinary hypodontia clinics in the UK which are known to the Society. This is maintained by Prof. J Hobkirk, a member of the organisation's MAB, and may be found at Information/Research and Medical/Medical Section. If any readers are associated with such a clinic which is not on the list and would like it to be included could they please contact John Hobkirk (j.hobkirk@ucl.ac.uk) for the necessary form.

Help needed with BSSPD In-Practice Research Project

Mark Howe needs clinicians to help with validating a heuristic bases restorative risk index.

It requires assessing restorative prognosis in a number of model case presentations using conventional techniques and the new risk index. Simplicity, accuracy and reproducibility will all be assessed. If you are interested please email Mark at mshowe@liverpool.ac.uk

Implant Designation

The BSI has recently published a new standard BS ISO 19429:2015 Dentistry — Designation system for dental implants. This mirrors a new ISO standard and provides dental health care professionals with an internationally recognised and agreed method of designating the presence and location of a dental implant in the jaws.

The scheme is compatible with BS EN ISO 3950:2016 Dentistry — Designation system for teeth and areas the oral cavity. The UK was the lead country for the development of this standard, which reflected international views on the need for a simple system indicating endosseous implant presence and location. J Hobkirk.

Congratulations

Congratulations to Mr Rahat Ali who has been appointed as Consultant in Restorative Dentistry at Liverpool University Dental Hospital

The British Society of Prosthodontics

2016 Conference: Manchester

The 2016 Annual Conference took place in Manchester on Friday 18th & Saturday 19th March at the iconic Bridgewater Hall. The theme for the conference was ‘Progress & Precision in Prosthodontics’, showing how advances in technology and a greater understanding of disease processes mirror a background and history of precision work.

Last year’s conference in London (under the Presidency of Peter Briggs) was held on a Friday and Saturday for the first time – this popular choice was continued for this year, and was also beneficial as the Friday matched the usual study day for the region’s foundation dentists. The venue was booked to capacity with a broad range of delegates ranging from foundation dentists, general dentists, postgraduate and specialty trainees as well as established specialists and consultants.

The conference was formally opened by Mr Nicholas Taylor, local Postgraduate Dental Dean and Chairman of COPDEND. Mr Peter Briggs chaired the morning session, inviting our first speaker to commence the scientific programme. Dr Chris Orr, one of the most prominent cosmetic dentists and educators in the UK, gave a talk entitled ‘Aesthetics and function: can we have our cake and eat it?’ Chris presented a broad overview, encouraging a ‘balanced’ approach to treatment planning in aesthetic cases. He gave a brief but thorough overview of smile design and options for improving appearance – stressing the role of conservative direct options as well as more destructive indirect options, showing several cases of direct build-up with fantastic end results. He discussed the need to consider and plan changes to vertical dimension carefully, and also recapped functional considerations and the need in many cases

to consider occlusal relationships and schemes as part of an aesthetic plan.

Dr Rupert Austin, Clinical Lecturer and Specialist in Prosthodontics at King’s College London Dental Institute, was our next speaker, with an exciting and modern topic ‘Restoration of teeth: digital scanning and milling’. Rupert took the audience back in time when digital dentistry was in its infancy and beautifully demonstrated what challenges the inventors of such technologies faced and overcame as digital impressions and milling techniques evolved with time.

Rupert gave the audience a clear grasp of how digital dentistry compared to conventional techniques of impression taking, creating casts and fabricating prostheses throughout its life story of evolution and explained how the users of these modern techniques benefitted, and occasionally suffered, from its many advantages and occasional shortfalls. He then explained how digital techniques are growing to become faster, more precise and more user-friendly and in many cases more economically justifiable. He ended his presentation with a systematic comparison of the current market leaders, their superiorities and deficiencies.

Professor Julian Satterthwaite, BSSPD President, then introduced the first of the afternoon speakers, Dr Anil Shrestha, Specialist Prosthodontist and owner of Lister House ICED. Anil has a wealth of experience in both general and specialist practice and took a wonderfully refreshing approach to his talk on ‘Removable prosthodontics: an alternative to implants’ reflecting on lessons he had learned (sometimes the ‘hard way’) as well as providing an evidence base for the often complex cases discussed.

He gave a fascinating presentation where he showcased over two decades of his precision attachment work. His honest and pragmatic style of presentation took the audience on a journey of his professional life, treating patients successfully when dental implants were not an option and learning from errors, discussing what alternative treatment options could have been pursued with clear explanation of their pros and cons. The audience were mesmerized by the variety and diversity of the techniques used, many of them easily adoptable in any setting. He also clearly demonstrated the importance of a systematic approach in managing such cases, accurate treatment planning and precision dentistry, not only in preparation of the mouth but also in quality assuring every stage of the work and finally producing a high quality end result.

The afternoon session was completed by Dr Nigel Rosenbaum, Specialist Prosthodontist working in Sheffield and Derbyshire. Nigel's lecture was 'When all is lost, what can we do?' His presentation focused on the management of the completely edentulous patient utilizing conventional removable prosthesis. He initially highlighted the need for accurate diagnosis of the existing denture problems to help determine the suitable treatment plan for the new denture.

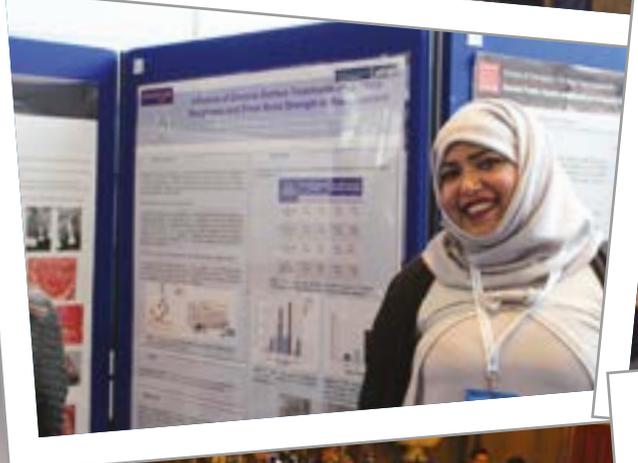
Nigel asked the audience by a show of hands, what materials were used for various stages during the denture making process, suggesting that the audience should question their conventional techniques in view of the characteristics of more modern materials. Nigel discussed how he had asked himself the very same questions and in looking for the answers found the 'Biofunctional Prosthetic System (BPS)' by Ivoclar Vivadent. The clinical stages of

this technique were discussed in depth and the rationale behind the differences to a 'conventional technique' outlined. Of particular note was the absence of a wax rim, instead relying on a Gothic Arch tracing followed by tooth set-up based purely on biometric and anatomical guides.

Nigel's lecture was complemented on the Saturday morning by a live patient demonstration run as a parallel session to the main programme. Each of the BPS clinical stages was carried out and the rationale behind using a dual phase alginate for the primary impressions, a concept that had raised eyebrows during the previous days lecture, became clear when you see the variety of anatomically detailed stock trays that the system offers in contrast to the few that the majority of us are used to. The steps of preliminary jaw registration, recording of functional impressions and Gothic arch tracing to (carried out using interchangeable components that are added on top of the special trays) were shown and discussed. It is fair to say that even for those not a convert to the BPS system there are certainly aspects of the clinical techniques involved that could be very useful adjuncts for the treatment of the edentulous patient.

The conference dinner was held on Friday evening at Manchester Town Hall, just a short stroll from the conference venue. The Town Hall is one of the most iconic landmarks in the city. Situated on Albert Square, the Town Hall is definitely one of the hidden jewels in Manchester's crown – it was opened in 1877 and radiates the history of the city. Following the pre-drinks reception we were fascinated by magician Jay Rollins before the traditional President's speech of thanks and toast to our Guests: Julian Satterthwaite thanked the conference sponsors, all those on council for their input

Manchester 2016





and work through the year, particularly Shiyana Eliyas who was completing her term as Honorary Secretary and also Rob McAndrew (conference organizer) and Kirstin Berridge (administrator) for their conference work. Phil Smith (Awards Administrator) announced the recipients of the Society's awards: The Heraus-Kulzer Award winner was Danny Watts, an undergraduate student at UCLan Dental School in Preston for 'The factors affecting the decision to support fixed partial dentures with teeth and/or implants'; the BSSPD In-Practice Award was made to Mark-Steven Howe to help support his practice based research project 'A Restorative Dental Risk Index – The use of evidence based heuristics in clinical risk assessment/communication'; and the BSSPD In-Training award was made to Ash Gopakumar (Liverpool University Dental Hospital) to support her visit to Dept of Oral Restorative Sciences at the Westmead Centre for Oral Health, Sydney, Australia.

Our after dinner speaker was Dr Paul Redmond, an employment and generations guru who knows everything that needs to be known about generations X, Y and Z, and gave a tremendously entertaining talk on behavior and behavioral differences that truly entertained all present. Each year during our annual conference dinner we raise funds for a charity - this year's conference charity was Help for Heroes, founded in 2007 to provide direct, practical support for wounded, injured and sick Veterans, Servicemen and women and their loved ones.

The second parallel workshop on Saturday morning was a treatment planning workshop specifically targeted at early career dentists. This was given by Kushal Gadhia (Consultant in Restorative Dentistry

and Chair of the BSSPD Early Practitioners Group) along with Carly Taylor (Lecturer in Restorative Dentistry at the University of Manchester). Attendees were mainly dental core trainees and postgraduate students who were given cases to treatment plan in groups, which were then discussed. Treatment planning is often the least understood and poorly performed part of clinical practice, despite the central nature of this process to all that we do. The opportunity to explore decision making in a small group and supportive environment was appreciated by all present. Some interesting discussions ensued around how to plan and deliver multidisciplinary treatment plans including some of the evidence base upon which we base our treatment decisions.

Whilst the parallel sessions were running, the main programme on Saturday morning commenced with the Schottlander Oral Presentations, once again ably chaired by Phil Smith (BSSPD Awards Administrator). All speakers demonstrated their knowledge within their field of work, with wide-ranging topics being presented. As in previous years, the quality of presentations was high and questions were fielded from the audience. In deciding upon a prize-winner, the judging panel had a difficult task, but selected Dr Victoria Hannah 'Death by dirty dentures?' to receive this year's prize. The Poster display area received a large amount of attention during the two days and the Society once again demonstrated the supportive and encouraging environment for clinicians and researchers to showcase their work – the Schottlander Poster Prize was awarded to Dr James Ban (Specialty Registrar in Restorative Dentistry at Bristol) for his poster on '3D printing in the construction of resin-retained bridge framework'.

'Hosting duties' were then picked up by Neil Poyser before lunch, and he introduced Mr Steve Campbell of Nexus Dental Laboratory who spoke on 'Implant superstructures: digital scanning and milling'. Steve gave a fascinating lecture, picking up on the 'digital dentistry' and precision theme of previous speakers. The work presented by Steve was, unsurprisingly for those familiar with his work, of exceptional quality. Steve also demonstrated an intimate and thorough understanding of the whole concept of a digital workflow and as well as presenting what is technically possible, gave an insight into how advances in technology can revolutionise working patterns and practices whilst simultaneously improving quality of outcome.

After lunch, Dr Rutger Schepers, Maxillofacial surgeon at the University Medical Center Groningen, gave an inspiring presentation on the reconstruction and rehabilitation of large craniofacial defects utilising composite free flaps and implant supported restorations. He demonstrated how such treatment can be planned and executed using digital technology, which allows tumour resection and final reconstruction to occur at the same procedure with a high degree of accuracy. This involved digital planning with MRI and CT scans to allow cutting guides and implant drilling guides to be constructed for implant placement prior to harvesting of the flap. Through a series of case reports, he discussed the initial introduction of the technique at his clinics and his teams development and progression, presenting lessons learned and plans for future.

Julian Yates, Professor of Oral and Maxillofacial Surgery at the University of Manchester gave the last presentation of

the conference. His lecture continued on the theme of computer aided design and manufacture, but with a focus on prostheses to replace soft tissue. This fascinating talk focussed on potential materials and 3D manufacture of facial prostheses using rapid prototyping technologies and novel materials, highlighting the significant benefits it can bring to patients and clinicians. Such techniques can allow for rapid replacement of facial prostheses, which is advantageous given their limited life span in addition to significantly reducing chair time.

The final business of the conference was to hand over the Presidential chain of office to Professor Mike Fenlon, President of BSSPD for 2016-17, who provided an insight into next year's conference 'Prosthodontics; the future is digital' to be held on Thursday 6th - Friday 7th April 2017, at 155 Bishopsgate, London.

[Join us in London in 2017...](#)

**Prosthodontics;
the future is
digital.**

**6-7 April 2017
Bishopsgate, London**

BSSPD return to BDA Manchester

James Owens

After last year's successful introduction to hosting sessions and having a stand at the BDA Conference in Manchester the society returned with an even more impressive line up to enhance the Society's profile, lead once again by Past President Peter Briggs and Early Practitioner's Group Chair Kushal Gadhia. Current President Mike Fenlon was also on hand to lend his support and encouragement.

The opening day on Thursday saw a two part interactive panel session hosted in his usual congenial and entertaining way by Peter Briggs. The highly informed panel covered a wide range of dental interests and consisted of Specialist Periodontist, Hatem Algraffee; Consultant Endodontist, Bhavin Bhuva; General Dental Practitioner, David Bretton; Consultant in Restorative Dentistry, Phil Taylor; Clinical Teaching Fellow, Rishi Patel and Private Practitioners Anoop Maini and Tiff Qureshi.

The session explored treatment planning for various restorative cases using real clinical scenarios and allowed audience feedback using the latest interactive voting technology. The format and the breadth of knowledge of the panel together with Peter's entertaining Chairing made for a highly enjoyable and informative session with well over 600 delegates attending.

The following day the BSSPD stand was busy with delegates enquiring about

the society and many signing up as members there and then. It was particularly encouraging to see the number of younger dentists both at Foundation and Student level that were keen to join. This all bodes well for the future of the Society.

On the last day, Saturday, Neil Macbeth Consultant in Restorative Dentistry, Dental Defence Services presented another BSSPD hosted session on the 'Management of Failures in Prosthodontics'. The session was assuredly Chaired by Kushal Gadhia. Again a packed house were handsomely entertained and informed by Neil who gave a wide range of hints and tips on to how to avoid pitfalls that lead to complications.

This session lead to another flurry of interest at the BSSPD stand keeping Kirstin and supporters busy with interest in the Society and signing up new members. By the end of the three days over 60

new members had signed up to the Society and dozens more had expressed interest in joining at some point. That means that well over a 100 members have joined the Society in the last 12 months as a result of the BDA Conference presence which ensures the Society goes from Strength to Strength. A big thank you to Kirstin and Phil for designing the BSSPD stand and providing all the advertising material that help draw attention the Society and its aims. Congratulations to Peter, Kushal and Kirstin for leading another hugely successful trip to Manchester.



Kirstin Berridge and Marion English at the BSSPD stand. Special thanks to Marion who was phenomenal at signing up new members.

Impact of hands-on CPD courses

Ali Nankali

The impact of hands-on CPD courses on practitioners' skills – Cavity preparation

Cavity preparation is one of the staple activities of a dental practitioner. Therefore clinicians should be confident of their cavity preparations and be able to achieve an appropriately designed cavity for planned restorations. Our group conducted a study that aimed to identify the challenges clinicians encounter when cutting a cavity and how iatrogenic damage can be avoided.

In 2015, six full-day lectures and hands-on CPD courses were delivered by eWisdom (London Deanery) at Barts and Dental Institute at Queen Mary University. Two hundred and ten cavity preparations were observed and analysed to determine the most common existing issues for which we tried to find appropriate solutions. Each course had 12 practitioners with a minimum of three cavity preparations carried out by each individual, which were then analysed and discussed accordingly. One of the main problems related to opening of the contact area on posterior teeth for both direct and indirect vision. The next issue were the differences in preparation accuracy between buccal and lingual/palatal sides related to the sizes and axial wall angles. Posture, vision and burs were also determined as factors that impact outcomes dramatically.

The study demonstrated the impact of the lectures and hands-on continued professional development course outcomes. In addition it illustrated that practitioners, who have difficulty in cavity preparations, can be divided into three main groups: those who are not aware of their weaknesses, those who know about their weaknesses yet they do not know the root cause, and

those who are aware of their weaknesses and solutions however they require some practice on manikin heads preferably under supervision.

This study showed that hands on manikin courses can be one of the best places to help practitioners understand their weaknesses in order to improve them, furthermore it may help educational systems to recognise clinicians' needs.

Our group also proved once again that positioning and vision are very important criteria for creating appropriate cavities. Inappropriate vision and mirror usage techniques do not allow practitioners to do their best. Being in a 12:00 position for all types of the preparation is not approved as a good technique for all cavity preparations.

Acknowledgements

Barts and the London Dental Institute
London Deanery

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Who's Who?

Council Officers

Prof. Mike Fenlon (President)

michael.fenlon@kcl.ac.uk

Dr Philip Smith (President Elect)

p.w.smith@liv.ac.uk

Prof Julian Satterthwaite (Immediate Past President)

julian.satterthwaite@man.ac.uk

Mrs Claire Field (Hon. Secretary)

claire.field@sth.nhs.uk

Neil Poyser (Hon. Treasurer)

neilpoyser@hotmail.com

Dr Philip Smith (Hon. Curator)

p.w.smith@liv.ac.uk

Council Members

Dr Gareth Brock (2014-2017)

garethbrock@hotmail.com

Mr James Owens (2014-2017)

james.owens1967@gmail.com

Miss Jennifer Jalili (2015-2018)

jennifer.jalili@hotmail.com

Mrs Lorna McCaul (2015-2018)

lorna.mccaul@btinternet.com

Miss Pamela Yule (2016-2019)

pyule@nhs.net

Dr Guy Lambourn (2016-2019)

guylambourn@hotmail.com

Dr Gurcharn Bhamra (StR representative)

gsbhamra1@hotmail.co.uk

Co-opted Members & Representatives

Dr Rob McAndrew (Conference Organiser)

mcandrew@cardiff.ac.uk

Mr James Field (Webmaster)

james.field@newcastle.ac.uk

Kushal Gadhia (Early Practitioners Group Chair)

kushalgadhia@me.com

Kirstin Berridge (Administrator & Data Protection Officer)

admin@bsspd.org

Mr Suresh Nayar (International representative)

svnayar@googlemail.com

SAC representative

Dr Craig W Barclay

craig.barclay@manchester.ac.uk

RD-UK representative

Mr Peter Briggs

pfabdental@hotmail.com

Specialist Advisory Board in Restorative Dentistry Royal College of Surgeons of Edinburgh

Mr Dean Barker

dean.barker@nhs.net

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2009 Jocelyne Feine

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2014 Peter Farrelly, Peter Frost, Richard Welfare, Paul Wright

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