

CDS Group West Midlands Division
Study day
Dentistry: An ever evolving journey

Thursday 21 November 2024

Edgbaston Park Hotel Conference Centre, 53 Edgbaston Park Road, Birmingham B15 2RS

08:30 Registration

08:50 **Introduction and welcome**

Sinuba Naidu, Chair, CDS West Midlands Division

09:10 **Considerations of cleft lip and palate**

Victoria Clark, Consultant in Paediatric Dentistry

Aim

To share various aspects of 20 years' experience working in the first designated cleft lip and palate centre in the UK.

Learning objectives

- To understand how and why designated cleft centres were set up in the UK
- To understand the aetiology of cleft lip and palate and the different presentations
- To recognise and know about the role of the MDT within a regional cleft team
- To understand the role of the paediatric dentist within the cleft team and care pathways
- To know about the caries experience in the cleft population collated by the paediatric dental cleft CEN.

Development outcomes - B, C and D



Victoria qualified at Leeds University in December 1989. After graduating she worked as an SHO at Alderhey Children's Hospital and Great Ormond Street. She then went on to complete a two-year master's programme in Paediatric Dentistry at Leeds University (1994 to 1996).

Victoria carried out specialist training at Birmingham Dental and Children's Hospital gaining her Intercollegiate Fellowship in Paediatric Dentistry (ISFE) at the Royal College of Surgeons of Edinburgh in 2001.

She was then appointed part time Consultant in Paediatric Dentistry at Birmingham Children's Hospital, predominately working with the West Midlands Cleft Team caring for children with cleft lip and palate. She has developed an interest in caring for children with Epidermolysis Bullosa and bleeding disorders and has set up a successful paediatric oral medicine clinic at Birmingham Children's Hospital. She was appointed President of the British Society of Paediatric Dentistry in September 2009. She was founder chair of the cleft special interest group in paediatric dentistry. She was appointed chair of the National recruitment working group in paediatric dentistry in 2013 setting up national recruitment for paediatric dental speciality.

She is involved in DCT recruitment and educational supervisor at DCT and STR level Victoria was training programme director for Paediatric Dentistry in the West Midlands (2005 to 2015) and was appointed to Chair of the SAC in Paediatric Dentistry in 2015 to 2017. Victoria has previously been an examiner for the ISFE and is currently examiner for M.Paed.Dent Examination and in Paediatric Dentistry and is committed to excellence in training for paediatric dentistry.

10:00 **Dental trauma update**

Anika Shah, STR in Paediatric Dentistry, Birmingham Dental Hospital and the Worcestershire Community Dental Services

Aims

To have a better understanding of the acute and long-term management of immature and mature permanent teeth that have sustained traumatic dental injuries.

Learning objectives

- Understand that different types of traumatic dental injuries
- Be able to undertake a thorough trauma assessment
- Have a better understanding of the acute management of trauma to permanent teeth
- Have a better understanding of the long-term management of trauma to permanent teeth
- Understand the potential sequelae of traumatic dental injuries and how the acute management affects the outcome.

Learning content

To explore the different types of traumatic dental injuries:

- Examination and investigations
- Splinting
- Vital pulp therapy
- Endodontics in teeth with immature apices
- Orthodontic and surgical extrusion
- Decoronation
- Resorption.

Development outcome - C



11:00 Refreshment break

11:30 **Anaesthesia in outreach settings**

Collette Augre, Consultant Anaesthetist, University Hospitals Birmingham

Aims

To provide an outreach anaesthetic perspective on sedation and general anaesthesia for dental procedures in patients with learning disability. The aim is to explore the following salient points;

- The decision processes behind the choice of dental sedation versus general anaesthesia
- The anaesthetic processes involved in dental sedation and general anaesthesia
- Guidelines and regulations for anaesthetists providing sedation/general anaesthesia
- Minimum requirements to provide safe anaesthesia – staff, equipment, drugs
- Patient considerations - features that concern anaesthetists
- Environmental considerations
- The future.

Learning objectives

To understand patient selection, the anaesthetic assessment, and anaesthetic process of sedation and general anaesthesia. To provide an overview of the challenges faced in patients with learning disability undergoing sedation and general anaesthesia. This will be covered through discussion of the following;

- The risk and benefit profile of sedation versus general anaesthesia
- How we as anaesthetists perform a pre-op assessment
- The pros and cons of pre-medication prior to sedation or general anaesthesia
- Other methods available to us – chemical and physical restraint, distraction techniques, even hypnosis!
- A summary of how we as anaesthetists perform sedation or general anaesthesia
- Anaesthetic agents required to provide safe sedation/general anaesthesia
- Anaesthetic equipment to provide safe sedation/general anaesthesia
- Top tips for dentists - what referral information do anaesthetists want to know?
- What specific co-morbidities, medications and anatomical features concern us?
- Things to consider when providing anaesthesia in remote sites
- Local case example
- The future – remimazolam.

Learning content

- Resources from local policies sourced from the combined work of the Birmingham Dental Hospital (part of Birmingham Community Healthcare NHS foundation Trust) and the QEHB (part of the University Hospitals Birmingham)
- Academy of Medical Royal Colleges – safe sedation practice for healthcare procedure an update Feb 2021
- RCOA Chapter 7 guidelines for the provision of anaesthesia services in the non-theatre environment 2024
- Standards for conscious sedation in the provision of dental care (v1.1) 2020.

Development outcomes – B, C and D



Collette has been working as a consultant anaesthetist at the QEHB (Queen Elizabeth Hospital Birmingham) since 2019. She regularly works with the Birmingham Dental Hospital team to provide anaesthesia (both sedation and general anaesthesia) for patients with learning difficulties, those with phobias or those requiring complex dental treatments. She has extensive experience in remote site working being an accredited prehospital emergency medicine (PHEM) level 8 consultant practitioner. She currently works for both the West Midlands Ambulance Service and Midlands Air Ambulance Charity in her capacity as a PHEM consultant.

12:30 **Divisional AGM** - BDA members only (lunch start for non-members)

13:00 Lunch

13:45 **Patient and parent perspectives on Autism**
Sylvia Stanway

14:30 **Dental materials - Amalgam update**

Will Palin, Professor in Biomedical Materials Science and Director of Research, School of Dentistry, University of Birmingham

Aims

This session aims to provide an overview of the current and potential future status of dental silver amalgam use, and to discuss the advantages and limitations of alternative materials and related technologies.

Learning objectives

- To discuss the issues around current amalgam use and its potential impact for NHS dentistry
- To consider how alternative materials might best be used to ensure clinical success
- To review emerging technologies and potential materials of the future.

Learning content

After this session you will be able to:

- Explain the advantages and limitations of using alternative materials to dental amalgam
- Understand how materials chemistry and operator variability may affect the key properties of dental materials
- Describe how best to use modern materials to decrease the likelihood of premature failure
- Discuss the characteristics and properties of potential future materials and how they may help provide better alternatives to amalgam.

Development outcome - D



Will Palin is a Professor and Chair in Biomedical Materials Science, and Director of Research at the School of Dentistry, University of Birmingham, and co-founder and Director of the Birmingham Dental and Biomaterial Testing Service (BiMaTS). His specific research interests lie in the development of novel biomaterials, medical devices and relevant technologies for bone, tooth and injury repair. Will has published over 100 scientific articles, authored eight book chapters related to dental materials, and is currently Subject Editor for the Journal of the Mechanical Behavior of Biomedical Materials.

15:30 Refreshment break

15:45 **Mindfulness and wellbeing in the work place**
Will George, Mindfulness coach, Cambridge

Aims

This session explores the potential for mindfulness in Community Dentistry; enhancing individual and team well-being and performance and care for highly anxious patients. It will provide guidance for implementing everyday mindfulness practices in the workplace and supporting patients with a mindful and compassionate approach.

Learning objectives

- Understand the role of mindfulness as a foundational capacity for self-awareness, self-regulation and empathy, and in supporting mental health, resilience, effectiveness at work and patient relationships
- How to integrate mindfulness into the working day via mindful pausing, listening and connecting with colleagues
- How to use mindfulness practice to support highly anxious patients.

Learning content

- Explain the benefits of mindfulness in healthcare settings
- Guide a basic practice to take away and use everyday
- Introduce team mindfulness for cultivating presence and compassion at work (eg: mindful pausing and listening, wellbeing check-ins)
- Explore how trauma-informed mindfulness can support anxious patients and offers simple exercises for managing patient anxiety.

Development outcome - D



Will George is a mindfulness coach based in Cambridge. Working with teams and individuals he has taught a wide variety of people across education, finance, marketing, retail and government.

He has had a personal practice since 2009 and in 2014 he trained to teach Mindfulness-Based Approaches with Bangor University's Centre for Mindfulness Research and Practice. In 2017 he attained a Certificate of Readiness to Teach Mindfulness in the Workplace through Oxford University's Mindfulness Centre.

16:45 Close