



**CDA Workshop: Oral Health Care for Older Persons
22 and 23 November 2013
Hotel 54 On Bath, Rosebank, Johannesburg, South Africa**

Programme

Chair: Dr. Susan Maina, CDA Vice President for East and Southern Africa

Day 1

- 09.30 - 10.00 am **Registration**
- 10.00 - 10.10 am **Welcome by the Chair**
- 10.10 - 10.15 am **Message of Welcome by the President of the CDA**
Professor Bill O'Reilly (*Pre-recorded video message*)
- 10.15 - 11.00 am **Oral Healthcare for Older Persons**
Dr Debbie Lewis, BDS M Phil M CCD R C S Dip Dent Sed
Specialist in Special Care Dentistry, Dorset Healthcare University
Foundation Trust (*Webinar*)
- 11.00 - 11.45 am **"Daktari for Maasai" - International Dental Project for
Remote Areas in Tanzania**
Professor Dr Martin Jörgens (*Webinar*)
- 11.45 - 13.00 am **Lunch**
- 13.00- 13.45 pm **Medical Challenges for Older Persons: The Bisphosphonate
Story**
Professor Russel Lurie BDS; H. Dip. Dent; M.Dent; FCMFOS(SA)
- 13.45 – 14.30 pm **Prosthodontic Options for Older People and the
Disadvantaged**
Professor Peter Owen, Head of the Department of Oral
Rehabilitation, School of Oral Health Science, University of the
Witwatersrand
- 14.30 - 15.30 pm **Working Group Sessions**
- 15.30-16.00 **Feedback, Summing Up and Close of Day One**

Day 2

- 10.00 – 10.15 am **Welcome and Review of Day 1 (by Chair)**
- 10.15 – 11.00 am **Oral Health Access Challenges Among Older Persons**
Dr Mpho Primrose Molete, Specialist in Community Dentistry,
School of Oral Health Sciences, University of the Witwatersrand
- 11.00 - 11.45 am **Plenary Session: Feedback, Discussion and Recommendations**
- 11.45 - 12.30 pm **“Breaking Down the Distance Barrier Using Blended Learning: the Smile-On Experience”**
Mr Noam Tamir, Healthcare Learning: Smile-On
- 12.30 – 13.30 pm **Discussion Relating to Online Learning**
- 13.30 – 14.00 pm **Close of the Workshop and Lunch**

OVERALL OBJECTIVES OF THE WORKSHOP

- 1. To evaluate the epidemiology of Oral Health and Oral Disabilities of older persons in Commonwealth countries.*
- 2. To review the Oral Health needs of older persons in Commonwealth countries.*
- 3. To consider the challenges of providing good oral health for older persons in Commonwealth countries.*
- 4. To review the current techniques in the treatment of common dental ailments in older people.*

This event will provide 8 hours of verifiable continuing professional development.

Biographies of Speakers and Synopses of Presentations

Professor Bill O'Reilly, CDA President

Associate Professor Bill O'Reilly is the Immediate Past President of the Australian Dental Association Inc and has served two terms as the New South Wales Branch President of the Association.

He is an Honorary Life Member of both the national and state dental associations. He holds a dental degree from the University of Sydney and has also been admitted as a Barrister to the Supreme Court of New South Wales.

He has practised as a general practitioner in private dental practice and as a Dental Officer in the Royal Australian Navy. He is a conjoint Associate Professor at the University of Newcastle.

Bill is a Fellow of the International College of Dentists, Pierre Fauchard, Academy of Dentists International and the Australian College of Legal Medicine. He is a past Chairman of the Communication and Member Support Committee of FDI.

Bill sits on a number of corporate boards as independent chairman and has wide experience in corporate governance, budget and strategic policy matters.

Dr. Susan Maina, CDA Vice President for East and South African Region

Dr. Maina is a Senior Lecturer and former Chairman, Department of Conservative and Prosthetic Dentistry School of Dental Sciences, University of Nairobi.

She is a graduate of the University of California at Los Angeles (USA) with Master of Science in Oral Biology and Certificates in Aesthetic Dentistry and Advanced Education in General Dentistry.

She is the Immediate Past Treasurer of the Kenya Dental Association (KDA) and former President, East and Southern Division of The International Association of Dental Research. She has been involved in FDI activities as NLO of KDA for many years. She is active in the promotion of oral health among school children and disadvantaged groups in Kenya, leading to a Presidential award-Order of Grant Worrier (OGW).

Her research interest is herbal medicine and its application in dentistry. She is currently working on her PhD.

Dr. Debbie Lewis

Dr. Lewis works as a specialist in special care dentistry, providing oral healthcare for adults with additional needs in Dorset, UK. She has developed and continues to provide a routine service, conscious sedation and general anaesthetic service and domiciliary care service for people with disabilities. She is also involved in the training of carers of vulnerable adults in mouth care.

She is Past President of the British Society of Gerodontology and the British Society of Disability and Oral Health, and sits on the editorial board of the *Journal of Disability and Oral Health and Community Dental Health*.

She has developed a training post within the South West Deanery of the UK in special care dentistry which is currently held by a specialty registrar trainee in her second year. She is also involved in mentoring dentists and other members of the dental team in conscious sedation. She is also external tutor for Bristol University's course in Special Care Dentistry and Care of Older People, and external tutor for King's Dental Institute. She holds an M ClinDent in Prosthodontics.

Synopsis of Presentation

This presentation will look at the impact of ageing and long term conditions on oral health and address patient centred care planning. It will look at recommendations for care pathways to overcome some of the barriers to good oral health that older people experience.

Professor Dr. Martin Jörgens

Professor Dr. Jörgens graduated with a doctorate in dentistry in Münster, Germany, in 1990 and opened his first dental surgery in Düsseldorf in 1992. He became a consultant in laser medicine, bleaching, aesthetic dentistry, patient communication, marketing, accounting and implantology, often providing training to postgraduate students in his own training facility in the practice. He became a professor for laser medicine of the University of Seville, Spain in 2007 and has since undertaken several diplomas in the area of lasers in oral surgery. In 2008 and 2012, he accompanied the German Olympic Team to Beijing and London as part of the health team.

Professor Dr Jörgensen has had an interest in mobile dentistry since 1997, when he was part of the Land Rover Camel Trophy Team and the Land Rover G4 Challenge Team. He has since participated in many Land Rover Experience Events as mobile dentist and personally developed techniques suitable to work in an outdoor terrain.

Daktari for Maasai started in December 2011. Visits to the region take place up to three times a year. The main areas of the project are Lake Manyara, Ngorongoro Conservation Area and Ololosokwan, close to Serengeti. The team were able to bring two dental chairs, many surgical instruments and equipment such as surgical suction units and operation lights to maximise the number of patients treated.

Synopsis of Presentation

This presentation shows how the Project "Daktari for Maasai" started out of a Kilimanjaro expedition in 2010 and a private safari into the Tanzanian National Parks. It gives an overview about the conditions in the remote areas where the dentist-to-population ratio is between 1:100,000 to 1:1,000,000. It shows step by step how the mobile dentistry project started, and how it developed in the past two years. The project serves four locations with dentistry. Doctors and dentists from Germany, United Kingdom, Croatia and Spain have served many Maasai people and people from other Tanzanian tribes. The project serves patients of all ages and offers a wide variety of treatments. The teams also provide oral healthcare advice to school classes and local villages and focus on prevention.

Professor Russel Lurie

Professor Russel Lurie is a graduate of the University of the Witwatersrand, Johannesburg. He has been in Private Specialist practice for some 37 years and holds a Senior Part-time Consultant position in the Faculty of Health Sciences of his alma mater.

Professor Lurie is a member of a number of learned societies both nationally and internationally. He has lectured and taught throughout South Africa as well as in Canada, Australia, Tunisia, Israel, UK, Thailand, the USA and Zimbabwe. He also has publications in refereed journals.

He has served his profession as President of the SA Dental Association (1993-1996) and President of the SA Society of Maxillo-Facial and Oral Surgeons and worked tirelessly to meet the dento-political challenges taking place in the country. He was awarded the Bronze Medal of the SA Dental Association (1998). The Dux Honori and President's Award in recognition for his services to Maxillofacial and Oral Surgery was bestowed on him in 2002. In October 2010 he received a Special Achievement Award from the Division of Maxillofacial and Oral Surgery. His enthusiasm for his profession has no boundaries.

Music and singing are his passion. He has produced two CDs – *Timeless Pearls* and *Sim Shalom Songs of our People*. He is married to Angela, who is also a graduate of Wits University (BA Librarianship). They have two daughters and six grandchildren.

Synopsis of Presentation

The year 2003 / 04 witnessed the describing of an osteomyelitis-like disease of the jaws. All that the patients had in common was that they were on a bisphosphonate drug to protect the bones from invasion by malignant diseases; they had no radiotherapy and were undergoing or had undergone oral surgery. The disease process has only been reported to occur in the mandible or maxilla in patients with multiple myeloma or secondary malignancies of the bones when administered a bisphosphonate. The global literature reports that 0.8% - 12% of patients receiving IV bisphosphonates present with the disease process. With oral bisphosphonate, the incidence is 0.01% - 4%.

The objective of the illustrated lecture is to enlighten and update the profession on avascular necrosis of the jaws including bisphosphonate-related necrosis (BRONJ), as to its aetiology and pathophysiologic behaviour so that a prevention module can be designed for the patient prior to administration of bisphosphonates. Case studies will be reviewed as well as suggested management protocols.

Prof C P Owen

Having qualified from the Royal Dental Hospital in London in 1969, Peter Owen went on to obtain an MScDent cum laude in 1983 and specialised in prosthodontics in 1985. He has taught at three of the dental schools in South Africa and is currently Professor and Head of the newly formed Department of Oral Rehabilitation at Wits University, which encompasses Prosthodontics, Endodontics and Operative Dentistry.

He has pioneered the concept of “appropriattech”: the use of cost-effective methods and materials whilst maintaining high quality and outcomes. Allied to this is the development of Minimum Acceptable Protocols (MAPs) to serve as clinical guidelines, and their adaptation for developing countries. He is also involved in innovative ways of using computer-based technologies in dentistry, both for imaging and virtual impression techniques as well as the application of CAD/CAM processes to replace much of the current routine operative dentistry, to improve the longevity of dental restorations. He has introduced CAD/CAM restorations into the undergraduate curriculum, and Wits was the first and currently only school in South Africa to have done this.

He has a keen interest in the development and application of innovative teaching and learning methods, and has helped develop a computer-based assessment system for the clinical disciplines, and a unique software solution for multimedia e-learning.

Prof Owen is a President of the International College of Prosthodontists, the world body for the specialty. He is a member of the Academy of Prosthodontics of South Africa, the SA Dental Association and the IADR. He is also a Fellow of the International College of Dentistry and a Fellow of the College of Dentistry (SA).

He has made over 130 presentations locally and internationally and has over 150 publications, including abstracts, journal papers, books, chapters in books, manuals and other publications. He is an Associate Editor of the International Journal of Prosthodontics, and a reviewer for the Journal of Dental Research, the Journal of Oral Rehabilitation, Special Care in Dentistry, Gerodontology, Clinical Oral Implants Research, and the SA Dental Journal.

Synopsis of Presentation

Older persons typically present with problems that are similar to those experienced in disadvantaged communities throughout the world, and indeed often form a disadvantaged community within their own societies even in industrialised countries. Of course they also have special needs particular to their age group especially when frail, which need to be considered particularly when they require tooth replacement. Although longevity is increasing in most societies, the retention of a full dentition is not always part of this, and so increasing numbers of older persons mean increasing numbers of either completely or partially edentulous patients. The inability to chew properly has serious consequences as it affects food choices; and loss of teeth affecting appearance also impairs the quality of life already compromised by age changes. Many older people can, however, not afford the high-tech approach of modern dentistry.

It is therefore important to seek therapeutic options for tooth replacement that are cost-effective in material use and time. We have been developing procedures for complete and removable partial denture fabrication that conform to the philosophy of “appropriattech”, by using cost-effective materials and abbreviated techniques without sacrificing any principles and obtaining high quality outcomes.

This talk will provide background to the development of this philosophy and present three examples: a technique for delivering complete dentures in three visits; a technique to duplicate existing dentures in three visits; and techniques to make permanent acrylic-based, tooth-borne removable partial dentures without clasps.

Dr. Mpho Molete

Dr. Molete is a specialist in the field of Community Dentistry at the University of the Witwatersrand (Wits). Her work involves teaching, research and service delivery. She obtained her undergraduate dental degree in the year 2000. She has had experience working in the UK for 5 years as a general dental practitioner in Hertfordshire and Oxfordshire. This experience inspired her to study for an MSc in Dental Public Health which she obtained from Kings College London. She then returned to Wits to pursue her specialty training in the field on Community Dentistry which was awarded to her in 2012. Her research interests involve areas focusing on addressing oral health needs of vulnerable groups (i.e. children and older persons) and monitoring and evaluation of oral health programs. She has a passion for developing and empowering young people.

Synopsis of Presentation

The presentation will provide background information about the Community Oral Health Outreach Program (Wits). It will also look at socio-demographic information of older persons in South Africa and their oral needs. She will also provide an overview of her recent research study, including conclusions and recommendations.

Mr. Noam Tamir

Graduated in Computing and Industrial Management Engineering at the Technion in Haifa, Israel, he has since had extensive experience in computer services, management and marketing, and in providing education. He founded the Healthcare Learning Company (HLC) in 2000 and over the last 10 years has watched Smile-on grow to become one of the leading education providers in the UK and beyond.

Outside of work he is a fellow of the Royal Society for the encouragement of Arts, Manufactures and Commerce (RSA). He is active in various charities as well as being a trustee of the Sternberg Foundation and other trusts. He is also a member of the London Rotary Club and the Royal Society of Medicine (RSM). My hobbies include playing the saxophone, listening to jazz and classical music, watching theatre productions and painting and collecting art. He also enjoys mountain hiking.

Synopsis of Presentation

Noam's presentation will consider how a blended learning approach can be used to maximise a positive learning experience, and how such an approach can add value to each professional association, including the CDA.

The CDA is grateful for the support received from the speakers in this programme, and for all the help provided by Healthcare Learning: Smile-On.

