

Cone Beam Computed Tomography for Licensing

Clin Assoc Prof Janet Fuss and Dr Sarah Constantine with assistance from Angela Menadue

Saturday 26 August 2017

CPDA D 15/17

Overview

Cone Beam CT imaging is becoming more widely used in Australian dental practice and understanding of its applications, images and equipment are required for those needing to be licensed. This practical workshop, presented by Dr Sarah Constantine, Clin Assoc Prof Janet Fuss with Ms Angela Menadue and Ms Carmen Hall, combines self-directed reading, lecture-style presentations, discussions, hands-on exercises and assessment.

Course Aims

- A general appreciation of the varied nature of CBCT machines
- Awareness of dosages and other matters of radiation safety
- Ability to identify the components of cone beam x-ray equipment
- Ability to prepare cone beam x-ray equipment for exposure of the image
- Ability to prepare the patient for exposure of the image
- Appreciation and understanding of the projection geometry and the technical production of cone beam images
- Development of technical proficiency in the production of cone beam images
- Ability to identify errors of image production in relation to equipment preparation and exposure parameters, patient preparation, patient management and software processing
- Understanding of the nature of the cone beam image
- Appreciation of the advantages and limitations of the cone beam image
- Appreciation of the cone beam image
- Appreciation of the diagnostic, treatment planning and monitoring uses of cone beam images
- Ability to recognise normal cone beam anatomy and to identify soft and hard tissue structures and landmarks
- Acquisition of basic interpretive and diagnostic skills in relation to dental cone beam images

The Presenters



Dr Sarah Constantine obtained her MBBS from The University of Adelaide in 1998 and was awarded FRANZCR in 2005, and undertook a fellowship in Perinatal Imaging in 2005 at the Women's and Children's Hospital in South Australia. Dr Constantine has a long-standing interest in Dental Imaging and is a member of The International Association of Dentomaxillofacial Radiology. She provides reporting services for International Teleradiology Corporation, the dental hospitals in South Australia and Victoria, and participates in the radiology meeting for the Craniofacial Unit in Adelaide.



Clinical A/Prof Janet Fuss graduated from The University of Adelaide with a BScDent(Hons), a Bachelor of Dental Surgery, a clinical graduate diploma and a Master of Science. She has also undertaken studies in higher education with UNSW and advanced training in maxillofacial imaging.

Janet taught at the Adelaide School of Dentistry for more than 20 years, and has also worked for James Cook University and The University of Queensland.

Janet sat on numerous School, Faculty and University committees while at The University of Adelaide, and worked as the Director of CPDent Adelaide for several years. Her professional service includes 10 years on the ADA(SA) Council for ten years and a term on the Dental Board of South Australia.



Ms Angela Menadue is qualified in medical diagnostic radiography with many years in private and public practice. Angela has extensive experience with dental imaging, undergraduate teaching and more recently Cone Beam CT.

Workshop Details

Type	Private self-paced study, lecture-style presentations, discussions and a hands-on session. Plus self-directed reading and assessment.
Day & Date (Hands On)	Saturday 26th August 8:45am – 4:30pm Registration from 8:15am Ingkarni Wardli Building – Conference Room, Level 7 University of Adelaide North Terrace Campus
Location	See map reference F12 - http://www.adelaide.edu.au/campuses/mapscurrent/north_terrace.pdf
CPD Hours	20
Registration Cost (GST incl)	Dentist \$815
Catering	Lunch, morning and afternoon teas included Please advise special dietary requirements when you register
Resources	Pre-reading materials, lecture notes and presentations, additional reading, assessment, guidelines and tuition included
Registration	https://cone-beam-computed-tomography-august-2017.eventbrite.com.au

Certificate of Completion provided for submission to Radiation Licensing Authority upon completion of the workshop and assessments.

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