

UBC Dentistry Research Day 2010

3D IMAGING FOR ASSESSMENT AND MANAGEMENT OF THE CRANIOFACIAL COMPLEX

Tuesday, January 26, 2010 • 8:00 am – 3:00 pm
UBC Student Union Building Ballroom

- 8:00 – 8:30** **REGISTRATION & CONTINENTAL BREAKFAST**
- 8:30 – 8:50** **WELCOME**
Dr. Charles F. Shuler, Professor and Dean
- INTRODUCTION & OVERVIEW OF THE DAY**
Dr. Edward E. Putnins, Professor and Associate Dean of Research & Graduate/Postgraduate Studies
"How is three-dimensional imaging revolutionizing the assessment and management of tissues in the craniofacial complex?"
- 8:50 – 9:10** **REVIEW OF FIBROUS DYSPLASIA (A DEVELOPMENTAL LESION)**
Dr. David MacDonald, Associate Professor and Chair, Division of Oral and Maxillofacial Radiology
"A systematic review of one developmental anomaly."
- 9:10 – 9:30** **NORMAL EMBRYONIC CRANIOFACIAL DEVELOPMENT**
Dr. Joy M. Richman, Professor, Division of Pediatric Dentistry
"What are the biological mechanisms that regulate facial development?"
- 9:30 – 9:50** **OVERVIEW OF CRANIOFACIAL MALFORMATIONS**
Dr. Edwin H.K. Yen, Professor and Director, Graduate Orthodontics Program
"What are the common craniofacial malformations affecting facial development?"
- 9:50 – 10:10** **THREE-DIMENSIONAL ANALYSIS OF FACIAL FORM**
Dr. Virginia M. Diewert, Professor and Head, Department of Oral Health Sciences
"How can three-dimensional imaging assist in the analysis of facial form?"
- 10:10 – 10:30** **SOFT TISSUE IMAGING AND NASOALVEOLAR MOULDING**
Dr. Angelina Loo, Part-Time Clinical Assistant Professor
"What immediate imaging modalities and treatment can be used to manage patients with craniofacial malformations?"
- 10:30 – 11:00** **COFFEE BREAK**
- 11:00 – 11:20** **MANAGEMENT OF PEDIATRIC SLEEP APNEA**
Dr. Alan A. Lowe, Professor and Chair, Division of Orthodontics
"What is the impact of craniofacial characteristics on pediatric airway size?"
- 11:20 – 11:40** **MANAGEMENT AND IMAGING OF ADULT AIRWAY OBSTRUCTION**
Dr. Fernanda R. Almeida, Clinical Assistant Professor, Division of Oral and Maxillofacial Radiology
"How do we assess three-dimensional tongue and airway size?"
- 11:40 – 12:00** **RESEARCH POSTER AWARD PRESENTATION
(UNDERGRADUATE & GRADUATE STUDENTS)**
- 12:00 – 1:00** **LUNCH (BOX LUNCH PROVIDED) & RESEARCH POSTER VIEWING**
Posters by undergraduate students, graduate students, post-doctoral fellows, research associates, visiting scientists and faculty members.
- 1:00 – 1:20** **OVERVIEW OF CFI-FUNDED CENTRE FOR HIGH THROUGH-PUT PHENOGENOMICS**
Dr. Edward E. Putnins, Professor and Associate Dean of Research & Graduate/Postgraduate Studies
"What upgrades are occurring at Dentistry's research imaging centre?"
- 1:20 – 2:40** **ADVANCES IN 3D CRANIOFACIAL IMAGING
(DISTINGUISHED ALUMNUS PRESENTATION)**
Dr. Ernest W.N. Lam, Associate Professor and Head, Discipline of Oral and Maxillofacial Radiology, Faculty of Dentistry, University of Toronto
"Recent advances in craniofacial imaging."
- 2:40 – 3:00** **DISCUSSION**