

UBC Dentistry Research Day 2013

Technological Advances in Dentistry: Decision-Making in Clinical Use

Tuesday, January 22, 2013

UBC Student Union Building Ballroom

8:00–8:40 **REGISTRATION & CONTINENTAL BREAKFAST**

8:40–8:50 **WELCOME**

Dr. Charles Shuler, Professor and Dean

INTRODUCTION & OVERVIEW OF THE DAY

Dr. Edward Putnins, Professor and Associate Dean of Research & Graduate/Postgraduate Studies

8:50–9:15 **IMAGE QUALITY AND DOSIMETRY IN CONE BEAM CT**

Dr. Nancy Ford, Assistant Professor, Division of Oral Biology, Department of Oral Biological & Medical Sciences

“What are the compromises between image quality and radiation dose?”

9:20–9:40 **USE OF CONE BEAM CT IN THE PEDIATRIC PATIENT**

Dr. Ella Choi, MSc/Diploma in Pediatric Dentistry Student, Division of Pediatric Dentistry, Department of Oral Health Sciences

“What is the radiation dose in pediatric patients receiving cone beam CT imaging?”

9:45–10:10 **A COMPARISON OF THE RADIATION DOSE FROM DIFFERENT DENTAL IMAGING PROCEDURES**

Dr. Pierre Deman, Postdoctoral Research Fellow, Department of Oral Biological & Medical Sciences

“How do radiation doses in cone beam CT compare to other X-ray procedures?”

10:10–10:30 **COFFEE BREAK**

10:35–11:00 **ANALOG TO DIGITAL: PARADIGM SHIFT IN RESTORATIVE DENTISTRY**

Dr. Mark Fogelman, Clinical Assistant Professor, Department of Oral Health Sciences

“How can CAD/CAM dentistry benefit the practitioner and patient?”

11:05–11:30 **DENTAL MATERIALS SELECTION FOR CAD/CAM SYSTEMS**

Dr. N. Dorin Ruse, Professor and Chair, Division of Biomaterials, Department of Oral Biological & Medical Sciences

“What dental materials are available for CAD/CAM systems and what should be considered when making a choice?”

- 11:35–11:50 **RESEARCH POSTER AWARDS PRESENTATION**
Dr. Ravindra Shah, Associate Professor and Director, International Relations
Undergraduate & Graduate Students
- 11:50–1:00 **LUNCH (BOX LUNCH PROVIDED) & RESEARCH POSTER VIEWING**
Posters by undergraduate students, graduate students, post-doctoral fellows, research associates, visiting scientists, and faculty members
- 1:05–1:25 **DIGITAL SCAN, DIGITAL DESIGN, DIGITALLY-CONTROLLED MILLING—A PARADIGM CHANGE IN PROSTHODONTICS**
Dr. Jonathan Ng, MSc/Diploma in Prosthodontics Student, Division of Prosthodontics & Dental Geriatrics, Department of Oral Health Sciences
“What is the marginal fit accuracy of crowns fabricated using intraoral scanning, digital design, and 5-axis milling?”
- 1:30–2:45 **RESIN COMPOSITES—STATE-OF-THE-ART (KEYNOTE ADDRESS)**
Dr. Jack Ferracane, Department of Restorative Dentistry, Oregon Health & Science University, Portland, Oregon
“What formulation changes are being made to enhance properties and performance?”
- 2:45–3:00 **CASE WRAP-UP & DISCUSSION**