

BC Orthopaedic Update 2012

THE CHALLENGES OF THIS
"NEXT" DECADE: ORGANIZATIONAL
AND SURGICAL TOOLS TO COPE

May 3 & 4, 2012

UBC ROBSON SQUARE
800 ROBSON STREET, VANCOUVER,
BRITISH COLUMBIA, V6Z 3B7

OBJECTIVES AND GENERAL INFORMATION

BC Orthopaedic Update 2012 is sponsored by the BC Orthopaedic Association and the University of British Columbia (UBC) Department of Orthopaedics. Thursday morning will be devoted to Research Day during which our graduate students, residents and visiting fellows will present the results of their research projects. Thursday afternoon and Friday will be devoted to educational sessions (lectures, symposium, and small group case discussions).

PRE-REGISTRATION

Registration is limited to 200 for the didactic sessions. Early registration is advisable.

CONFERENCE FEES:

Orthopaedic Surgeon	\$400 (Cdn/US)
UBC Orthopaedic Faculty	\$125 (Cdn)
Presenting Faculty	No Charge
Current UBC Orthopaedic Residents, Fellows and Engineering Graduate Students	No Charge
Allied Health Professionals	\$50 (Cdn/US)

UBC Orthopaedic Friends and Alumni Reception (THURSDAY Evening, May 3, 17:00, Vancouver Club):

Conference Registrants, Alumni & Faculty	\$25 (Cdn/USD)
Residents, Fellows, Graduate Students & their Guests	Complimentary

UBC Orthopaedic Department Graduation & Alumni Banquet (FRIDAY Evening, May 4, Shaughnessy Golf Club, Vancouver):

UBC Orthopaedic Faculty, Alumni & Guests	\$100 (Cdn/US) per person
UBC Orthopaedic Residents, Fellows, Graduate Students & their Guests	Complimentary

HOTEL ACCOMMODATION

A special UBC rate of \$159.00 is gladly extended at the Sheraton Wall Centre Hotel. Please contact the hotel directly for reservations.

Sheraton Wall Centre Hotel

1088 Burrard Street, Vancouver, BC V6Z 2R9
Telephone: 604-331-1000 Fax: 604-893-7200
Email reservations@wallcentre.com

FEATURE SPEAKERS

- F.P. PATTERSON LECTURER**
Nizar Mahomed, MD, ScD, FRCSC
 Nicky and Bryce Douglas Chair in Orthopaedic Surgery, Smith and Nephew Chair in Orthopaedic Surgery, Professor, Department of Surgery, University of Toronto Head, Division of Orthopaedics Director, Arthritis Program Managing Director, Altum Health Toronto Western Hospital, Toronto, ON
- K.S. MORTON LECTURER**
Dr. Paul Tornetta, III, MD, FACS
 Professor, Vice Chairman & Residency Program Director Department of Orthopaedic Surgery Boston University, School of Medicine Director of Orthopaedic Trauma Boston Medical Centre, Boston, MASS
- R.W. McGRAW LECTURER**
Dr. Kishore Mulpuri, MBBS, MSc, MHSc
 Associate Professor, Department of Orthopaedics, University of British Columbia
- SPEAKER OF THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA, REGION 1 ADVISORY COMMITTEE**
Dr. Clive Duncan, MB, BCh, MSc, FRCSC
 Professor, Department of Orthopaedics, University of British Columbia

ACKNOWLEDGEMENT

The generous support of the following organizations is gratefully acknowledged:

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COURSE COORDINATORS

Dr. Nelson Greidanus
Director of Continuing Medical Education
Ms. Sue Cutts, Director of Administration
UBC Department of Orthopaedics
University of British Columbia

LOCAL FACULTY

- Dr. Piotr Blachut, *Clinical Professor, Orthopaedics*
- Dr. Henry Broekhuysse, *Clinical Associate Professor, Orthopaedics*
- Dr. Brain Day, *Honorary Associate Professor, Orthopaedics*
- Dr. Patrick Chin, *Clinical Instructor, Orthopaedics*
- Dr. Clive Duncan, *Professor, Orthopaedics*
- Dr. Don Garbuz, *Associate Professor, Orthopaedics*
- Dr. Michael Gilbert, *Assistant Professor, Orthopaedics*
- Dr. Danny Goel, *Clinical Instructor, Orthopaedics*
- Dr. Thomas Goetz, *Clinical Assistant Professor, Orthopaedics*
- Dr. Nelson Greidanus, *Assistant Professor, Orthopaedics*
- Dr. Simon Horlick, *Clinical Assistant Professor, Orthopaedics*
- Dr. Brian Kwon, *Associate Professor, Orthopaedics*
- Dr. Bas Masri, *Professor, Head, Orthopaedics*
- Dr. Kishore Mulpuri, *Associate Professor, Orthopaedics*
- Dr. Peter O'Brien, *Associate Professor, Deputy Department Head, Orthopaedics*
- Dr. Jeff Pike, *Assistant Professor, Orthopaedics*
- Dr. Stephen Pinney, *Clinical Associate Professor, Orthopaedics*
- Dr. Chris Reilly, *Associate Professor, Orthopaedics*
- Dr. Diane Roscoe, *Clinical Professor, Pathology and Laboratory Medicine*
- Dr. Trevor Stone, *Clinical Instructor, Orthopaedics*
- Dr. John Street, *Assistant Professor, Orthopaedics*
- Dr. Darius Viskontas, *Clinical Instructor, Orthopaedics*
- Dr. John Wade, *Clinical Associate Professor, Rheumatology*
- Dr. Alastair Younger, *Associate Professor, Orthopaedics*



The Division of
Continuing Professional Development and Knowledge Translation
Faculty of Medicine

ACCREDITATION The University of British Columbia, Faculty of Medicine, Division of Continuing Professional Development and Knowledge Translation is fully accredited by the Committee on Accreditation of Canadian Medical Schools (CACMS) and by reciprocity through the Accreditation Council for Continuing Medical Education (ACCME) of the United States to sponsor continuing medical education for physicians. The UBC Division of Continuing Professional Development and Knowledge Translation designates this educational program as meeting the accreditation criteria for a maximum of 14.5 Category 1 credits toward the American Medical Association Physician's Recognition Award. This program is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada. This program has been reviewed and approved by UBC Division of Continuing Professional Development and Knowledge Translation. Each physician should claim only those credits he/she actually spent in the activity.

The Royal College of Physicians and Surgeons of Canada, Region 1 Advisory Committee, has provided a continuing medical educational grant in support of our meeting.

BC Orthopaedic Association Annual Meeting

UBC Department of Orthopaedic's

Orthopaedic Update 2012 AND RESEARCH DAY

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DECADE: ORGANIZATIONAL AND
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May 3 and 4, 2012

BC Orthopaedic Association

Orthopaedic Research Day

PROGRAM

THURSDAY MORNING, May 3, 2012

0700 - 0800	REGISTRATION AND REFRESHMENTS
0800	Welcome, Opening Remarks - Dr. Bas Masri Chair: Dr. Henry Broekhuysse Moderators: Dr. Paul Tornetta, Dr. Nizar Mahomed, Dr. Kishore Mulpuri
SESSION 1: Resident/Fellow/Grad Student Research Presentations <i>6 min. presentation / 4 min. discussion</i>	
0805 - 0815	Patient Expectations in Ankle Fusion and Replacement – Dr. Cassandra Lane Dielwart (R3)
0815 - 0825	Global Ankle Arthroscopy: Use of a Medial Portal for Access to the Posterior Ankle Joint in the Supine Position – Dr. Heather Barske, Fellow
0825 - 0835	Radiographic Displacement in Tibial Plateau Fractures: How Good Are We? – Dr. Sultan Aldosari, Fellow
0835 - 0845	Outcomes After Talar Neck Fractures: A Systematic Review – Dr. Paul Harnett, Fellow
0845 - 0855	Outcomes of Distal Taper Stems in the Management of Vancouver B2/B3 Periprosthetic Fractures – Dr. Jacob Munro, Fellow
0855 - 0905	A New Registration Approach Using 3D Ultrasound for Intra-operative Guidance in Pelvic Reduction Surgery – Anna Bornstein (recent MASc graduate, UBC)
0905 - 0915	Extracting Useful Information from 3D Ultrasound with Applications to Orthopaedic Trauma Surgery – Dr. Ilker Hacihaliloglu (post-doc, UBC)
0915 - 0925	Standardizing Outcome Assessment Post Pelvic Trauma Surgery – Dr. Lukas Soswa (R3)
0925 - 0935	Radiographic Identification of Atypical Subtrochanteric and Femoral Shaft Fractures – Dr. Lise Leveille (R3)
0935 - 0945	Analysis of the Factors Influencing Risk for Hip Impact From Real-life Falls in Older Adults Captured on Video – Yijian Yang (PhD student, SFU)
0945 - 0955	Design of a Wearable Sensor System for Detection and Analysis of Falls and Near-falls in Older Adults – Omar Aziz (PhD student, SFU)
0955 - 1005	Surgical Management of Femur Fractures Associated with Fibrous Dysplasia – Dr. Chad Hiller (R4)
1005 - 1015	The "Swing-Room" Experience: Productivity Improvements in Elective Hand and Upper Extremity Surgery at St. Paul's Hospital – Dr. Reyhan Chaudhary, Fellow
1015 - 1040	REFRESHMENT BREAK
1040 - 1050	Adverse Event Rates in Surgically Treated Spine Injuries Without Neurologic Deficit – Dr. Andrea Simmonds (R3)

THURSDAY MORNING CONT', May 3, 2012

1050 - 1100	Prospective Analysis of Adverse Events in Surgical Treatment Treatment of L4-5 Degenerative Spondylolisthesis – Dr. Adrienne Kelly, Fellow
1100 - 1110	Follower Load Influences: The Kinematics and Kinetics of Cervical Spine Buckling During Simulated Head First Impact – Dr. Chris Dennison (post-doc, UBC)
1110 - 1120	Spinal Cord Injury Mechanisms - Functional and Histological Correlations – Dr. Kinon Chen (post-doc, UBC)
1120 - 1130	Mean Arterial Pressure Control Following Acute Spinal Cord Injury: the Results of a Prospective Observational Study at a Level 1 Trauma Centre – Dr. Christopher Kong (R2)
1130 - 1140	Detection of De-differentiated Liposarcoma Using PET/CT - Is it Accurate? – Dr. Andrew Graydon, Fellow
1140 - 1150	Prediction of Systemic Recurrence in Patients With Local Recurrence of Soft Tissue Sarcoma – Dr. Catherine O'Brien (R5)
1150 - 1200	Use of Number Needed to Treat (NNT) in the Paediatric Orthopaedic Literature: A Review – Dr. Caroline Forsythe, Fellow
1200 - 1210	A Kinetic Evaluation of a Novel Forearm Crutch Design – Megan MacGillivray (PhD student, UBC)
1210 - 1220	Pronator Strength Following Open Reduction Internal Fixation of Distal Radius Fractures – Dr. Jason Strelzow (R2)
1220 - 1230	Novel Radiographic Methods for Accurate Assessment of Component Alignment in Total Hip and Knee – Dr. Shahram Amiri (post-doc, UBC)
1230 - 1240	Automatic Adaptation of Tourniquet Pressure During Surgery to Improve Patient Safety – Dr. Hooman Sadr (R2)
1230 - 1330	Lunch for all attendees

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THURSDAY AFTERNOON, May 3, 2012

SESSION 2: SYMPOSIUM: SUSTAINABLE HEALTH CARE Chair: Dr. Bas Masri	
1330 - 1340	The Bone and Joint Decade: What did we accomplish? – Dr. Nelson Greidanus
1340 - 1400	Health Care Challenges for Orthopaedics in this Decade – Dr. Nizar Mahomed
1400 - 1420	Our Health System Can Handle the Challenge: Stakeholder Engagement and Optimizing Efficiency – Dr. Bas Masri
1420 - 1440	Our System Cannot Handle the Challenge: The Private Health Care Solution – Dr. Brian Day
1440 - 1500	How the US Health System will Meet the Challenge – Dr. Paul Tornetta

THURSDAY AFTERNOON CONT', May 3, 2012

1500 - 1515	Panel Discussion
1515 - 1545	REFRESHMENT BREAK: To take to Breakout Session)
SESSION 3: BREAKOUT SESSIONS / CASE DISCUSSIONS	
1545 - 1700	Breakout Session #1: Room C100 Complex Cases in My Specialty - Trauma Case Discussion Co-Chairs: Dr. Peter O'Brien, Dr. Paul Tornetta Instructors: Dr. Piotr Blachut Dr. Henry Broekhuysse Dr. Trevor Stone
1545 - 1700	Breakout Session #2: Room C680 Complex Cases in My Specialty - Spine Case Discussion Chair: Dr. John Street Instructor: Dr. Nick Dea, Fellow, Division of Spine
1700	ADJOURN

THURSDAY EVENING, May 3, 2012

1700 - 1930	UBC Department of Orthopaedics Reception: Alumni, Residents, Fellows, Faculty, and Friends Vancouver Club - 915 West Hastings St., Vancouver, BC
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FRIDAY MORNING, May 4, 2012

0700 - 0800	CONTINENTAL BREAKFAST
0800 - 0805	Opening Remarks, Introduction of RCPCSC Lecturer and Moderator – Dr. Bas Masri
SESSION 4: THE CHALLENGES OF AN AGING POPULATION: OSTEOPOROSIS/FRACTURES	
0805 - 0830	Lecturer of the Royal College of Physicians and Surgeons of Canada, Region 1 Advisory Committee Title: <i>The UCS: Bringing Periprosthetic Fractures to the Next Level</i> – Dr. Clive Duncan
0830 - 0845	Current Status of Osteoporosis Prevention, Diagnosis and Treatment – Dr. John Wade
0845 - 0900	Current Management of Upper Extremity Fragility Fractures – Dr. Jeff Pike
0900 - 0915	Osteoporotic Spine Fractures and Vertebroplasty – Dr. John Street
0915 - 0930	New Techniques in Hip Fracture Management – Dr. Peter O'Brien
0930 - 0945	Contemporary Management of Vancouver B1 Fractures of the Femur – Dr. Darius Viskontas
0945 - 1000	REFRESHMENT BREAK
SESSION 5: NEW TECHNOLOGIES FOR THE NEXT DECADE	
1000 - 1005	Introduction: K.S. Morton Lecturer and Moderator – Dr. Peter O'Brien
1005 - 1030	K.S. Morton Lecture - Dr. Paul Tornetta Title: <i>What's New in Ankle Fracture Management</i>
1030 - 1045	New Technologies in Foot and Ankle Reconstruction – Dr. Alastair Younger
1045 - 1100	Navigation in Spine Surgery: the Role of STEALTH – Dr. Brian Kwon

FRIDAY MORNING CONT', May 4, 2011

1100 - 1115	Meeting the MRSA/MRSE Challenge - Dr. Diane Roscoe
1115 - 1130	What's New in Metal-on-Metal Hip Arthroplasty? – Dr. Don Garbuz
1130 - 1145	Hip Arthroscopy, Expanding Indication in the Next Decade – Dr. Michael Gilbert
1145 - 1150	Introduction: R.W. McGraw Lecturer – Dr. Chris Reilly
1150 - 1210	R.W. McGraw Lecture - Dr. Kishore Mulpuri Title: <i>Paediatric Hip: Are We There Yet?</i>
1210 - 1345	BCOA AGM LUNCH - All members welcome Theatre or hsbcc room C680
1345 - 1430	UBC Department of Orthopaedics General Faculty Meeting Lunch for all attendees

FRIDAY AFTERNOON, May 4, 2012

SESSION 6: OPTIMIZING SURGICAL OUTCOMES/REDUCING THE BURDEN OF COMPLICATIONS OF ORTHOPAEDIC PROCEDURES	
1430 - 1435	Introduction: F.P. Patterson Lecturer – Dr. Bas Masri
1435 - 1455	F.P. Patterson Lecture - Dr. Nizar Mahomed Title: <i>Osteoarthritis: A New Way to Look at an Old Problem</i>
1455 - 1510	From the Checklist to NSQIP: Systemizing Our Surgical Practices – Dr. Steven Pinney
1510 - 1525	Improving Outcomes and Reducing Failures in ACL Reconstruction – Dr. Simon Horlick
1525 - 1540	Optimizing Outcomes and Reducing the Burden of Complications in THA/TKA – Dr. Nelson Greidanus
1540 - 1555	Improving Patient Outcomes in Pediatric Orthopaedics – Dr. Chris Reilly
1555 - 1610	Optimizing Outcomes in Orthopaedic Trauma – Dr. Henry Broekhuysse
1610 - 1625	REFRESHMENT BREAK: (To take to Breakout Session)
SESSION 7: BREAKOUT SESSIONS / CASE DISCUSSIONS	
1625 - 1730	Breakout Session #3: Room C100 Complex Cases in My Specialty - Reconstructive Orthopaedics Case Discussion Chair: Dr. Don Garbuz Instructors: Dr. Nizar Mahomed Dr. Bas Masri Dr. Nelson Greidanus
1625 - 1730	Breakout Session #4: Room C680 Complex Cases in My Specialty - Upper Extremity/Sports Case Discussion Co-Chairs: Dr. Tom Goetz, Dr. Jeff Pike Instructors: Dr. Patrick Chin Dr. Kishore Mulpuri Dr. Danny Goel
1730	ADJOURN
FRIDAY EVENING, May 4, 2012	
1830	UBC Department of Orthopaedics Graduation & Alumni Banquet Shaughnessy Golf Course, Vancouver, BC