

**Division of Orthopaedic Surgery
Schulich School of Medicine & Dentistry
The University of Western Ontario**

**The 38th Annual Orthopaedic Surgery Residents' Research Day
Wednesday, October 13, 2010
London Convention Centre Theatre**

Keynote Speaker – Daniel J. Berry, M.D.



Dr. Daniel Berry was an undergraduate at Dartmouth College; he graduated with Highest Distinction in Biochemistry, Magna Cum Laude and Phi Beta Kappa in 1980. Dr. Berry then attended Harvard Medical School graduating in 1984.

Dr. Berry performed his orthopaedic surgery residency in the Harvard Combined Orthopaedic Residency Program and was chief resident at Brigham and Women's Hospital in 1989.

Dr. Berry performed a six month fellowship in surgery of the hip in Bern, Switzerland, with Maurice E. Müller and in Paris with Emile Letournel. From 1990 to 1991 he was a fellow in Adult Reconstruction at Mayo Clinic, Rochester, Minnesota. In 1991 Dr. Berry joined the Mayo Clinic as a staff member and has been on staff at the Mayo Clinic since that time. Dr. Berry was appointed Chairman of the Department of Orthopaedic Surgery at Mayo Clinic in 2005 and holds that position at the present time.

Dr. Berry has published over 135 peer-reviewed papers and over 63 book chapters with a focus on primary and revision hip and knee arthroplasty.

Dr. Berry has served as a director of the American Board of Orthopaedic Surgery, as the Chairman of the Maurice E. Müller Foundation from 1999 to 2009, President of the Mid-America Orthopaedic Association from 2006-2007, President of the

American Association of Hip and Knee Surgeons from 2007-2008, Second Vice President of the American Academy of Orthopaedic Surgeons from 2009-2010, and is currently the First Vice President of the American Academy of Orthopaedic Surgery. He was also the recipient of the L.Z. Gund Professorship of Orthopaedics at Mayo Clinic in 2008.

Schedule of Events – Wednesday, October 13, 2010

8:00 – 8:30 Registration and Refreshments

8:30 – 8:40 **Opening Remarks - Dr. Jim Roth
- Dr. John Denstedt**

Moderator – Dr. Ken Faber:

8:40 – 8:50 **Dr. Ryan Degen** (PGY-2) – The Use of a Gentamicin Impregnated Articulating Spacer for the Treatment of Deep Periprosthetic Hip Infections

8:50 – 9:00 **Dr. Bashar Alolabi** (PGY-4) – Coronoid Process Replacement: Biomechanical Testing of an Anatomical and Extended Prosthesis

9:00 – 9:10 **Dr. C. Max McCabe** (PGY-3) – Acromioclavicular Joint Repair Using a Tendon Autograft Reconstruction Reinforced with the Clavicle Hook Plate

9:10 – 9:20 **Dr. Chris Chant** (PGY-4) – Functional Deficit and Recovery Following Acute Compartment Syndrome of the Lower Limb: An *In Vivo* Analysis

9:20 – 9:30 **Dr. Ivan Dzaja** (PGY-2) – Functional Outcomes and Cost Analysis for Extra-Articular Distal Radius Fractures Treated with Open Reduction and Internal Fixation Versus Percutaneous K-Wire Fixation

9:30 – 9:45 **Dr. Michael Gladwell** (PGY-2) – Quantitative Gait Analysis of Mobile Versus Fixed Medial Unicompartmental Knee Arthroplasty

9:45 – 10:30 Refreshment Break

Moderator – Dr. Kevin Gurr:

10:30 – 11:15 Visiting Professor Lecture – Dr. Daniel J. Berry “THA for Hip Dysplasia: The State of the Art in 2010”
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11:15 – 11:25 **Dr. Nina Suh** (PGY-4) – Clinical and Radiographic Parameters Affecting Union Rates and Time to Union in Scaphoid Fractures

11:25 – 11:35 **Dr. Aaron Bigham** (PGY-5) – Spinal Epimorph Versus Local Infiltration Analgesia in Total Hip Arthroplasty: A Prospective Study

11:35 – 11:45 **Dr. Brent Lanting** (PGY-5) – The Effect of Radial Head Prosthesis Size on the Mechanics of Forearm Load Transfer

11:45 – 11:55 **Dr. R. Andrew Glennie** (PGY-3) – The Effect of Cement Technique on Load Transfer and Fixation of the Glenoid Component in Total Shoulder Arthroplasty

12:00 – 1:00 LUNCHEON (Foyer - Salons C and D)

Moderator – Dr. Steven MacDonald:

13:00 – 13:10 **Dr. Parham Rasoulinejad** (PGY-4) – Anterior Versus Posterior Fixation for an Isolated Posterior Facet Complex Injury in the Sub-Axial Cervical Spine

13:10 – 13:20 **Dr. Joseph Assini** (PGY-3) – Syndesmotic ART: The Anatomic Repair Technique

13:20 – 13:30 **Dr. Sagar Desai** (PGY-3) – Patient and Surgical Factors Affecting Transfusion Requirements in Hip Fracture Patients

13:30 – 13:45 **Dr. Chris Steyn** (PGY-3) – The Positive Predictive Value of a Lumbar Spinal Stenosis Referral

13:45 – 14:30 Kennedy Memorial Lecture – Dr. Daniel J. Berry

“Bearing Surfaces for THA: The Latest Data From Around the World and Lessons from the Last 10 Years”

14:30 – 15:00 Refreshment Break

Moderator – Dr. Tim Carey:

15:00 – 15:15 **Dr. John Haverstock** (PGY-2) – Regional Variations in Radial Head Density – Implications for Fracture Patterns and Fixation

15:15 – 15:25 **Dr. Kevin Smit** (PGY-2) – N-Acetylcysteine Improves Muscle Perfusion and Reduces Inflammation in Compartment Syndrome

15:25 – 15:35 **Dr. Brian Fraser** (PGY-4) – The Histologic Changes Associated with Compartment Syndrome

15:35 – 15:45 **Dr. Hans Hundt** (PGY-5) – Remote Liver Leukocyte Recruitment, Microvascular Blood Flow, and Injury is Dependent on the Level of Spinal Cord Injury

15:45 – 15:55 **Dr. Melissa Nadeau** (PGY-4) – Qualitative and Quantitative Assessment of Soft Tissue Damage in the Cervical Spine Following a Unilateral Facet Injury

16:00 *Adjourn*

Award Winners and Photos from the Residents' Day Dinner – October 13, 2010

W. Harvey Bailey Award 2010: Dr. Parham Rasoulinejad (photo not available).

First Runner-Up for W. Harvey Bailey Award 2010: Dr. Bashar Alolabi – photo with Dr. Daniel Berry (left) and Dr. James Roth (right)



Sandy Kirkley Award 2010: Dr. Sagar Desai – photo with Dr. Daniel Berry (left) and Dr. James Roth (right)



First Runner-Up for the Sandy Kirkley Award 2010: Dr. Aaron Bigham – photo with Dr. Daniel Berry (left) and Dr. James Roth (right)



The H.S. Cameron Award for Teaching Excellence 2010: Dr. Abdel Lawendy – photo with Dr. Brent Lanting (left) and Dr. James Roth (right)



The C.H. Rorabeck Award for Surgical Mentorship 2010: Dr. Graham King – photo with Dr. Brent Lanting (left) and Dr. James Roth (right)



The Jim Allen Award for Interest in Community Orthopaedic Surgery –
Dr. Chris Chant – photo with Dr. Ken Faber (left) and Dr. James Roth (right)

