

**The Massachusetts General Hospital  
Department of Orthopaedic Surgery  
Hand and Upper Extremity Service**

***30<sup>th</sup> Annual***

***Richard J. Smith Memorial Lectureship***

***Terry S. Axelrod, MD, MSc, FRCS***

*Professor, Surgery, Faculty of Medicine, University of Toronto*

*Consultant, St. John's Rehabilitation Hospital*

*Staff, Orthopaedic & Hand Surgeon, Sunnybrook Health Sciences Centre*

*Toronto, Ontario*

***“Three Decades of Practicing Surgery  
in a Single Payer Government System:  
The Good, The Bad, and The Ugly”***

**Friday, May 17, 2019**

**7:00am-5:30pm**

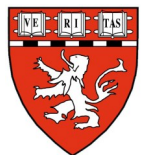
**5:30pm-6:30pm**

**Networking Reception**

**WYNDHAM HOTEL**

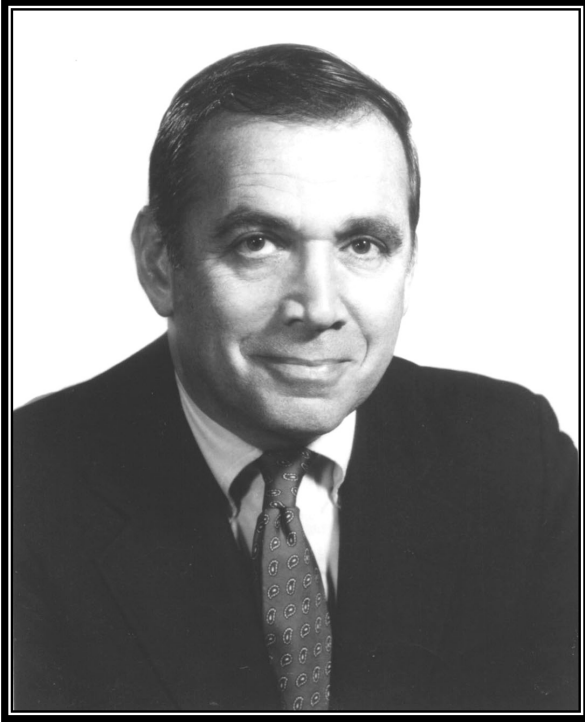
**The Beacon Ballroom, 15th Floor**

**40 Blossom Street, Boston, MA**



***“OVER 100 YEARS OF ORTHOPAEDIC EXCELLENCE”***

**In Memory of**



**Richard J. Smith, MD**

**1930 – 1987**

**Richard J. Smith, MD** was an extraordinary individual and one who could not be replaced. Henry Mankin, MD, in writing Richard Smith's obituary in the *Journal of Bone and Joint Surgery* in 1987, stated so eloquently, "his capacities, talents, and commitment made him, in the eyes of man, our finest flower and the thirty years he gave to hand surgery, one of its finest periods."

Dr. Smith was born in the Bronx, New York, attending the prestigious Bronx High School of Science. He received his college education at Brown University, graduating in 1951. His medical education was obtained at New York Medical College, where he was elected to AOA and graduated in 1955. Following a surgical internship at Bellevue Hospital, Dr. Smith began his Orthopaedic surgical training at the Hospital for Joint Diseases in New York City, completing the program in 1960. During his training at the Hospital for Joint Diseases, he became a disciple of Emmanuel Kaplan, MD, who at that time was a leading authority in anatomy of the hand. Under Dr. Kaplan's tutelage, Dr. Smith became determined to pursue a career in the relatively new field of hand surgery.

Following a two-year obligation to the Public Health Service in Boston, Dr. Smith spent a year of Hand Fellowship, divided between Mr. Guy Pulvertaft in Derby, England and Dr. Joseph Boyes in Los Angeles, California. In 1963, Dr. Smith returned to the Hospital for Joint Diseases to join Dr. Kaplan and later in 1968 to succeed him as the Director of the Hand Service. During this time, he established himself as an outstanding clinician, surgeon, and most of all, a renowned educator.

In 1972, Dr. Smith moved to Boston to become the Chief of the Orthopaedic Hand Service at the Massachusetts General Hospital and, in 1980, was named Professor of Orthopaedic Surgery at Harvard Medical School. During his tenure at the MGH, he expanded his activities in hand surgery to an international level and in 1982 served as President of the American Society for Surgery of the Hand.

Dr. Smith always found the time to be a devoted husband to his wife Jane and a devoted father to his daughters Lisa and Tracey, and late son James.

For all who had the unique good fortune to have known Dr. Smith, studied under him, or worked with him in any capacity, what will endure most of all was his remarkable skill and devotion to education, the pursuit of excellence, and the advancement of the specialty of hand surgery.

In 1989, the MGH Orthopaedic Hand Service, led by Jesse B. Jupiter at that time, designated a day in honor of Dr. Smith and his life's work. This year marks the 30<sup>th</sup> Annual Richard J. Smith Memorial Lectureship commonly known as "Smith Day" with Dr. Terry S. Axelrod as the distinguished orator.



**Terry S. Axelrod, MD, MSc, FRCSC** was born and educated in Toronto, Ontario, Canada. He was the recipient of the Shafran and Cameron awards for highest medicine/surgery when he graduated from the University of Toronto Faculty of Medicine. He also completed both his Orthopaedic residency and MSc at the University of Toronto.

Dr. Axelrod first completed a Trauma and Upper Extremity clinical fellowship at Sunnybrook Health Science Centre and then a clinical and research Hand surgery fellowship with Prof. Ueli Buchler at the Inselspital Bern in Switzerland.

On returning to Canada, Dr. Axelrod assumed a full time clinical appointment at Sunnybrook at the rank of Assistant Professor. He has held the position of Division Chief, Sunnybrook Orthopaedics and CME Chair, Dept of Surgery U of T. He has been the recipient of the Bruce Tovee as well as the Robert Salter post graduate resident teaching awards, Department of Surgery, as well as the Marvin Tile Distinguished award for service provided to Sunnybrook Hospital. At the undergraduate level, Dr. Axelrod has received the Peters-Boyd Academy teaching award, as well as the same award, years later for Continuing Education. Currently, Dr. Axelrod holds the rank of Professor of Surgery at the University of Toronto and continues with a clinical practice in Upper Extremity Trauma and Reconstruction.

Dr. Axelrod has a long affiliation with AO Trauma North America and has served as faculty, chair and co-chair at a multitude of courses across North America, Europe and Asia. To date, he is author or co-author of approximately 50 peer review publications, 16 Book chapters and several manuscripts.

He is the proud father of four now grown children, all excelling in their respective fields, sharing this pride with their mother Heather Shapiro, his wife of 36 years.

As time goes on, look for Dr. Axelrod either in the Muskoka cottage region of Ontario or in Palm Beach, both sites of waterskiing excellence, as work days and clinical duties lessen.

## **Past Richard J. Smith Memorial Lectureship Orators**

Thomas J. Fischer, MD

Mark S. Cohen, MD

Joseph Upton III, MD

Graham J.W. King, MD, MSc, FRCSC

Douglas Campbell ChM, FRCS.Ed, FRCS(Orth), FFSEM(UK)

Amit Gupta, MD

Leonard Gordon, MD

James H. Herndon, MD, MBA

A. Lee Osterman, MD

Richard H. Gelberman, MD

Peter C. Amadio, MD

Diego Fernandez, MD

Thomas E. Trumble, MD

Andrew J. Welland, MD

Neil Jones, MD

Roy Meals, MD

Peter Stern, MD

Barry Simmons, MD

Thomas Bruschart, MD

*We Would Like to Extend a  
Special Thank You to Our Exhibitors  
Participating in This Year's Academic Program*

*Please Visit The Exhibitors  
in the Exhibit Hall  
During Breaks.*

*Exhibitors Will Enjoy Lunch in the Conference Room.  
Exhibitors Have Reserved Seating at Each Table.  
Please Keep Their Seats Open.*

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Synovis Micro

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The Orthopaedic Hand Service  
Massachusetts General Hospital  
Yawkey Center, Suite 2100  
55 Fruit Street, Boston MA 02114

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**Wyndham Hotel**  
**Friday, May 17, 2019**  
**7:00am - 5:30pm**

7:00 AM	<i>Registration and Continental Breakfast (In Exhibit Hall)</i>	
7:55 AM	<i>Welcome and Introduction</i>	<b><i>Chaitanya Mudgal</i></b>
<b>Session 1</b>	<b>NERVE</b>	<b><i>Moderator: Kyle Eberlin</i></b>
8:00 AM	A Genome-Wide Association Analysis for Carpal Tunnel Syndrome	Ritsaart Westenberg
8:05 AM	Outcomes after Surgical Treatment of Symptomatic Radial Sensory Nerve Neuromas	Rachel Gottlieb
8:10 AM	Outcomes Following Surgical Treatment of Symptomatic Digital Neuromas	Jonathan Lans
8:15 AM	Open vs Endoscopic Cubital Tunnel Release	Neill Li
8:20 AM	Discussion	
<b>Session 2</b>	<b>BASIC SCIENCE</b>	<b><i>Moderator: Kyle Eberlin</i></b>
8:30 AM	Improving Outcomes of Large Gap Peripheral Nerve Repair with Photochemical Tissue Bonding (PTB) & Acellular Nerve Allograft (ANA)	Marek Hansdorfer
8:35 AM	Matrilin-2 & Chitosan Form a Three Dimensional Scaffold within a Collagen Conduit and Increase the Rate of Schwann Cell	Neill Li
8:40 AM	Gal-T Knockout Porcine Nerve Xenografts Support Axonal Regeneration in a Rodent Sciatic Nerve Model	Jane Tsui
8:45 AM	Applicability of the Enneking and Modified Lodwick-Madewell Classifications in Hand	Jonathan Lans
8:50 AM	Discussion	
<b>Session 3</b>	<b>SHOULDER</b>	<b><i>Moderator: Rohit Garg</i></b>
9:00 AM	Outcomes of Late Microsurgical Nerve Reconstruction for Brachial Plexus Birth Palsy	Mike Daly

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9:05 AM	Factors Associated with Unplanned Reoperation After Type II SLAP Repair	Matthew DeFazio
9:10 AM	How Much Does a Stable Shoulder Really Cost? Utilization of Time-Driven, Activity-Based Costing to Increase Value in Shoulder Instability Surgery	Brady Evans
9:15 AM	Discussion	
9:25 AM	<i>Mid Morning Break (In Exhibit Hall)</i>	
<b>Session 4</b>	<b>WRIST I</b>	<b><i>Moderator: Rohit Garg</i></b>
9:40 AM	The Impact of the Soong Index on Reoperation Rates after Volar Locking Plate Fixation of Distal Radius Fractures	Max Meyer
9:45 AM	IlluminOss® in Distal Radial Fractures	Paul Alexander Vegt
9:50 AM	Functional Outcomes after Sauve-Kapandji Arthrodesis	Hyuma Leland
9:55 AM	Discussion	
<b>Session 5</b>	<b>ELBOW</b>	<b><i>Moderator: Neal Chen</i></b>
10:05 AM	Factors Associated with Reoperation after Bursectomy of the Olecranon Bursa	Navapong Anantavorasakul
10:10 AM	Altered Bone Density and Stress Distribution Patterns in Long-Standing Cubitus Varus Deformity & Their Effects During Early Osteoarthritis in the Elbow	Satoshi Miyamura
10:15 AM	Outcomes Following Simultaneous Arthroscopic Treatment of Lateral and Medial Epicondylitis	Wadji Kanj
10:20 AM	Olecranon Locking Plate Implant Prominence Association with Removal of Hardware	George Bugarinovic
10:25 AM	Discussion	



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10:35 AM	<i>Late Morning Break (In Exhibit Hall)</i>	
<b>Session 6</b>	<b>MISCELLANEOUS I</b>	<b><i>Moderator: Neal Chen</i></b>
10:50 AM	High-Yield Orthopaedics: A New Orthopaedic In-Training Examination (OITE) Review Handbook for Residents	Hai Le
10:55 AM	Patient Transfer for Hand and Upper Extremity Injuries: Diagnostic Accuracy at the Time of Referral	Rachel Gottlieb
11:00 AM	Standardized Letters of Recommendation for Orthopedic Residency Programs Fail to Provide Adequate Variability for Reliable Assessment	Andrew Hresko
11:05 AM	Discussion	
<b>Session 7</b>	<b>INTERNATIONAL</b>	<b><i>Moderator: Neal Chen</i></b>
11:15 AM	International Series: Traveling Fellow	Rohit Garg
11:20 AM	International Series: India	Mike Daly
11:25 AM	International Series: India	Stella Lee
11:30 AM	International Series: Navy	Ryan Ponton
11:35 AM	AAHS Reverse Fellow	Thendo Netshiongolwe
11:40 AM	Discussion	
11:50 AM	<i>Lunch Break (Buffet Service/ Eat in Meeting Room)  Exhibitors Have Reserved Seating at Each Table. Please Keep Their Seats Open.</i>	



**Amy M. Moore, MD** is an Associate Professor of Surgery. She is the Chief of Section of Hand Surgery and serves as the Program Director for the Hand and Nerve Fellowship in the Division of Plastic and Reconstructive Surgery at Washington University School of Medicine in St. Louis, MO.

During her residency at Washington University she dedicated two years to basic science peripheral nerve research. She then completed the Mayo Clinic Orthopedic Hand Fellowship in Rochester, MN.

Her clinical practice includes hand and upper extremity surgery with a significant focus on brachial plexus and peripheral nerve reconstruction. Dr. Moore currently runs two clinical trials involved in nerve regeneration and compliments her clinical work with performing translational basic science nerve research that is funded by Department of Defense.

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<b>Young Surgeons Forum Oration</b>		
12:30 PM	<i>Introduction of Amy M. Moore, MD</i>	<i>Chaitanya Mudgal</i>
12:35 PM	<i>“Nerve Transfers: Living the Paradigm Shift”</i>	<i>Amy Moore</i>
1:05 PM	Discussion	
1:15 PM	<i>Early Afternoon Break (In Exhibit Hall)</i>	
<b>Session 8            ELBOW II</b>		<i>Moderator: Sang-Gil Lee</i>
1:30 PM	The Pathoanatomy of the Anterior Bundle of the Medial Ulnar Collateral Ligament	Rik Molenaars
1:35 PM	Factors Associated with Reoperation after Zone II Flexor Tendon Repair	Arno Macken
1:40 PM	The Clinical Values of a Pop Sign in Throwing Athletes in Medial Elbow Pain	Rik Molenaars
1:45 PM	Discussion	
<b>Session 9            ARTHRITIS</b>		<i>Moderator: Sang-Gil Lee</i>
1:55 PM	Patient-Reported Outcomes in Congenital Radioulnar Synostosis: Does Forearm Position Matter?	Jennifer R. Kallini
2:00 PM	Proximal Row Carpectomy for Degenerative Wrist Arthritis Improves Wrist Motion	Frederick Wang
2:05 PM	Intermediate-Term Follow-up of Ligament Reconstruction Tendon Interposition and Suture-Button Suspensionplasty for Thumb Basal Joint Arthritis	Gabrielle Paci
2:10 PM	Factors Associated with Reoperation after Pyrocarbon Proximal Interphalangeal (PIP) Joint Arthroplasty	Ryan Ponton
2:15 PM	Discussion	
2:25 PM	<i>Mid Afternoon Break (In Exhibit Hall)</i>	

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<b>Session 10 MISCELLANEOUS II</b>		<b><i>Moderator: Rohit Garg</i></b>
2:40 PM	Long-Term Follow-up Questionnaire Response Rates: Which Patients Participate?	Ritsaart Westenberg
2:45 PM	Metastasis to the Hand: A Case Series and a Review of Literature	Jonathan Lans
2:50 PM	Factors Associated with Primary and Secondary Amputation of the Upper Extremity	Arno Macken
2:55 PM	Discussion	
<b>Session 11 WRIST II</b>		<b><i>Moderator: Rohit Garg</i></b>
3:05 PM	What is the Effect of Vitamin C on Finger Stiffness after Distal Radius Fracture? A Double-Blind, Placebo-Controlled Randomized Trial	Teun Teunis
3:10 PM	Pisiformectomy: Indications, Surgical Technique, Complications, Reoperations and Patient-Reported Outcomes	Navapong Anantavorasakul
3:15 PM	Distal Radial Fractures in Frailty Patients	Paul Alexander Vegt
3:20 PM	Minimal Invasive Plate Osteosynthesis for Distal Radius Fractures: Technique and Outcomes	Ryan Kozlowski
3:25 PM	Discussion	

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3:40 PM	<i>Hand Surgery Experiences in China &amp; India</i>	<i>Chaitanya Mudgal</i>
3:45 PM	<i>Late Afternoon Break (In Exhibit Hall)</i>	
4:00 PM	<i>MGH Hand Surgery Developments</i>	<i>Jesse Jupiter</i>
4:10 PM	<i>Outstanding Paper Awards</i>	<i>Chaitanya Mudgal</i>
4:15 PM	Presentation of the Richard J. Smith Prize	<i>Terry Axelrod</i>
4:20 PM	Presentation of the Jesse B. Jupiter Prize	<i>Amy Moore</i>
<b>30th Annual Richard J. Smith Oration</b>		<i>Chaitanya Mudgal</i>
4:25 PM	<i>Memories of Richard J. Smith, MD</i>	<i>Jesse Jupiter</i>
4:30 PM	<i>Introduction of Terry S. Axelrod, MD, MSc, FRCSC</i>	
4:35 PM	<i>Three Decades of Practicing Surgery in a Single Payer Government System: The Good, The Bad, and The Ugly</i>	<i>Terry Axelrod</i>
5:15 PM	Discussion	
5:25 PM	Closing Remarks	
5:30 PM	Adjourn	
5:30 PM	<i>Networking Reception (In Exhibit Hall) (Open to ALL)</i>	
6:30 PM	<i>Faculty Dinner (In Commonwealth Room) (Limited Seating. Prior Registration Required)</i>	

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