The Alumni Association of the Department of Orthopaedic Surgery at The Hospital for Joint Diseases NYU Langone Medical Center presents

The 2016 Scientific Program and Sir Robert Jones Lecture May 5-6, 2016

GUEST SPEAKER

Thomas P. Sculco, MD
Surgeon-in-Chief Emeritus
Hospital for Special Surgery
Professor of Orthopaedic Surgery
Weill Cornell Medical College
New York, NY

NYU School of Medicine
NYU Langone Medical Center

Provided by the NYU Post-Graduate Medical School
Alumni Association 2015-2016

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The 2016 Scientific Program and Sir Robert Jones Lecture

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Thomas P. Sculco, MD Biography  page 14
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Dear Alumnus:

As Chairman of the Department of Orthopaedic Surgery, it gives me great pleasure to welcome you to the annual Sir Robert Jones Lecture and to the 2016 Alumni Scientific Program meeting.

This special occasion provides an opportunity to celebrate our achievements, and I look forward to sharing this unique opportunity with you as well as participating in this excellent program, which highlights the significant research performed by our graduates and faculty.

This occasion also brings us the privilege, under the auspices of the 86th Sir Robert Jones Lecture, of learning from an esteemed, outstanding member of the academic orthopaedic community – Dr. Thomas P. Sculco

I would like to extend my very best wishes, at this time, to all of the members of the Alumni Association for a dynamic and rewarding meeting.

Sincerely,

Joseph D. Zuckerman, MD
Professor and Chairman
Hospital for Joint Diseases at NYU Langone Medical Center
Department of Orthopaedic Surgery

Dear Alumnus:

On behalf of the Alumni Association of the Department of Orthopaedic Surgery, I am pleased to welcome you to the 2016 Alumni Scientific Meeting honoring Dr. Thomas P. Sculco as our distinguished Sir Robert Jones Lecturer.

I would also like to extend my sincere appreciation for your steadfast support and loyal participation in the Alumni Association. Throughout the year, your generosity has helped greatly in making many of our association’s goals a reality.

Please accept my best wishes and gratitude for your continued commitment.

Sincerely,

Robert J. Meislin, MD
President
Alumni Association
Hospital for Joint Diseases at NYU Langone Medical Center
Department of Orthopaedic Surgery
COURSE DESCRIPTION

The annual Sir Robert Jones Lecture, first delivered at the Hospital for Joint Diseases Orthopaedic Institute in 1930, continues the tradition of excellence in orthopaedics through the work of distinguished contemporary scholars and also honors the achievements of Sir Robert Jones. The papers presented are a combination of clinical experiences and results as well as basic science research that involves anatomical, biomechanical and animal research. This year’s lectures are devoted to “Peri-Operative Morbidity in Bilateral TKR” and “New Technology: Can We Afford It?”

TARGET AUDIENCE

Department of Orthopaedic Surgery attending staff, alumni, fellows, residents.

STATEMENT OF NEED

Orthopaedics has several subspecialties. In each of these subspecialties, there are epidemiological issues that warrant discussion and need to be shared among specialists. There is also a need to focus on innovative techniques and their effects. Increasingly, orthopaedists need to be able to integrate clinical science, diagnostic imaging, and state-of-the-art techniques, when planning both investigative procedures and operations. Areas that are of constant concern in the hospital setting include: infection, DVT, allograft, contamination and complications.

Emerging strategies for addressing each of these risks is an essential body of knowledge for all orthopaedic surgeons. The possibility of peri-operative morbidity while performing bilateral total knee replacement (TKR) is a matter of concern for surgeons. Literature suggests that simultaneous sequential bilateral TKR is as safe as unilateral TKR. It is essential that surgeons be aware of possible complications and take steps to avoid or appropriately manage such events.

EDUCATIONAL OBJECTIVES

At the conclusion of this activity, participants should be able to:

- Create strategies to incorporate knowledge of epidemiological issues as well as new techniques in each orthopaedic surgical subspecialty
- Apply current strategies to lower risk for infection, contamination and surgical complications
- Identify risk factors associated with morbidity in bilateral TKR and manage adverse events appropriately
The 2016 Scientific Program and Sir Robert Jones Lecture May 5-6, 2016

**PROGRAM**

**Location:** Hospital for Joint Diseases at NYU Langone Medical Center, Loeb Auditorium  
**Program Chair:** Yong Kim, MD

**THURSDAY, MAY 5**

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<th>Time</th>
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<tr>
<td>4:30-5:30 pm</td>
<td>CASE CONFERENCE</td>
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<tr>
<td>5:30-6:00 pm</td>
<td>BREAK</td>
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<tr>
<td>6:00-7:00 pm</td>
<td>GUEST LECTURE: Perioperative Morbidity in Bilateral TKR: is it safe?</td>
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<td>7:00 pm</td>
<td>REFRESHMENTS</td>
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**FRIDAY, MAY 6**

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<th>Time</th>
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<tr>
<td>12:00-12:05 pm</td>
<td>WELCOME</td>
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**HAND (Moderator: Steven Yang, MD)**

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<th>Time</th>
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<tr>
<td>12:05-12:15 pm</td>
<td>Estimating Available Autograft Length For Use in Two Stage Flexor Tendon Reconstruction</td>
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<td>12:15-12:25 pm</td>
<td>An Anatomic Study of the Variable Insertions of the Extensor Pollicis Brevis and its Contribution to Interphalangeal Joint Extension</td>
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<tr>
<td>12:25-12:35 pm</td>
<td>Total Wrist Arthroplasty Versus Wrist Fusion: Utilization and Complication Rates as Reported by American Board of Orthopaedic Surgery Part II Candidates</td>
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**SHOULDER AND ELBOW (Moderator: Young Kwon, MD)**

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<tr>
<td>12:35-12:45 pm</td>
<td>Rotator Cuff Tear Shape Characterization: A Prospective Comparison of Two-Dimensional Imaging and Three-Dimensional Magnetic Resonance Reconstructions</td>
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<td>12:45-12:55 pm</td>
<td>Risk Factors for Subsequent Instability or Revision Surgery Following Arthroscopic Bankart Repair</td>
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<tr>
<td>12:55-1:05 pm</td>
<td>The Characterization of Sleep Quality Before and After Total Shoulder Arthroplasty</td>
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**TRAUMA (Moderator: Frank Liporace, MD)**

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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>1:05-1:15 pm</td>
<td>A Firm Shake Leads To A Strong Union: Stability Six Weeks Following Humeral Shaft Fracture Predicts Healing</td>
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<td>1:15-1:25 pm</td>
<td>Prevention of Malrotation Following Intramedullary Nailing of the Femur: Can a 3D C-Arm Improve Accuracy?</td>
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<tr>
<td>1:25-1:35 pm</td>
<td>The Score for Trauma Triage in the Geriatric and Middle Aged (STTGMA) is Predictive of Cost of Care for Hip Fracture Patients</td>
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**SPINE (Moderator: Peter Passias, MD)**

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>2:00-2:10 pm</td>
<td>Intraoperative Fluid (IVF) Administration during Multi-Level Spine Surgery Impacts Extubation Status: A Propensity Score Matched Analysis</td>
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<tr>
<td>2:10-2:20 pm</td>
<td>Dislocation of Primary Total Hip Arthroplasty is More Common in Patients with Lumbar Spinal Fusion</td>
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<td>2:20-2:30 pm</td>
<td>Total Hip Arthroplasty in the Spinal Deformity Population: Does Degree of Deformity Affect Rates of Safe Zone Placement, Instability, or Revision?</td>
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<tr>
<td>2:30-2:40 pm</td>
<td>Utilization of Lumbar Spinal Fusion in New York State: Trends and Disparities Running Title: Utilization of Lumbar Spinal Fusion in New York State</td>
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**Breaks**

- 1:45-2:00 pm BREAK
- 12:00-12:05 pm WELCOME
JOINT ARTHROPLASTY (Moderator: James Slover, MD)

2:40-2:50 pm  Same-Day Joint Arthroplasty Outcomes at New York University Langone Medical Center Hospital for Joint Diseases
Savyasachi Thakkar, MD*; Feroz A. Osmani, BS; Nick Bolz, BS; Yousuf Sayeed, MS; Roy Davidovitch, MD; Richard Iorio, MD

2:50-3:00 pm  Improvement in Total Joint Replacement Quality Metrics: Year One Vs Year Three of the Bundled Payment for Care Initiative
John M. Dundon, MD*; Joseph D. Zuckerman, MD; Joseph A. Bosco, MD; James Slover, MD; Stephen Yu, MD; Yousuf Sayeed, BS; Richard Iorio, MD

3:00-3:10 pm  Risk-Stratified Venous Thromboembolism Prophylaxis Following Total Joint Arthroplasty: Aspirin and Sequential Pneumatic Compression Devices versus Asgressive Chemoprophylaxis
Khalid Odeh, MD*; James Doran, MD; Stephen Yu, MD; Nicholas Bolz, BS; Joseph A. Bosco MD; Richard Iorio, MD

3:10-3:20 pm  Total Knee Arthroplasty in Young Patients: Factors predictive of aseptic failure in the 2nd-4th decade
Tristan Camus, MD, FRCS*; William J. Long, MD, FRCS

3:20-3:30 pm  Is Patient Positioning Reliable in Total Hip Arthroplasty?
Michael T. Milone, MD*; Jonathan Vigdorchik, MD; Ran Schwarzkopf, MD; S. Jerabek

3:30-3:40 pm  The Design of a Total Knee with Anatomic Motion and Laxity Based on Replicating Normal Structural Mechanisms
Peter S. Walker, PhD*; Joseph A. Bosco, MD; Sally Arno; Ilya Borukhov; Ryan Renolds; John Buza; Daniel Hennessy

3:40-3:50 pm  Relative Changes in the Coronal Soft Tissue Envelope After Total Knee Arthroplasty
Patrick A. Meere, MD*; Gaia Salvador, MEng; Peter S. Walker, PhD; Ilya Borukhov, BEng; Lauren Chu, BSc

3:50-4:05 pm  BREAK

PEDIATRIC ORTHOPEDICS (Moderator: Alice Chu, MD)

4:05-4:15 pm  Club Foot Revisited – A Neuromuscular Disease
John E. Handelsman, MD, FRCS, MCh Orth*; Marie A. Badalamente, PhD; Alice Chu, MD; Wallace Lehman, MD

4:15-4:25 pm  Shoulder Function after Microsurgical Reconstruction in Obstetrical Brachial Plexus Palsy - A Systematic Review
Alice Chu, MD*; Donato Perretta, MD; Alex Sher, BA; Matthew Gotlin, BS

4:25-4:35 pm  Percutaneous vs Open Reduction and Fixation for Tillaux and Triplane Fractures: A Multi-Center Study
William D. Zelenty, BS*; Richard S. Yoon, MD; Lior Shabtai, BS; Debra Sala, MS, PT; Regina Woon, MPH, CCRP; Michelle Ho, BS; Allison Matthews, MS, CCRP; Paul Choi, MD; Benjamin Martin, MD; David Horn, MD; David S. Feldman, MD; Norman Y. Otuka, MD; David Godfried, MD

4:35-4:45 pm  Povidone-Iodine Solutions Inhibit Mouse Osteoblast Proliferation and Cell Migration
James X. Liu, MD*; Oran Kennedy; Thorsten Kirsch, PhD; Mandeep Virk, MD

4:45-4:55 pm  Prior S. Aureus Nasal Colonization Remains a Risk Factor for Surgical Site Infections Following Decolonization: Analysis of 14,959 Patients
Nicholas Ramos, MD*; Anna Stachel, MPH; Michael Phillips, MD; Jonathon Vigdorchik, MD; James Slover, MD; Joseph A. Bosco, MD

SPORTS (Moderator: Mehul Shah, MD)

4:55-5:05 pm  Clinical Outcomes and MRI Evaluation of Meniscus Root Repair
Andrew P. Dold, MD, FRCSC*; Daniel J. Kaplan, BA; Erin Fitzgerald, MD; Eric J. Strauss, MD; Laith M. Jazrawi, MD

5:05-5:15 pm  Biomarker changes in ACL Deficient Knees Compared With Contralaterals
Daniel J. Kaplan, BA*; Laith M. Jazrawi, MD; Eric J. Strauss, MD

5:15-5:25 pm  The Measurement of Femoral Screw Divergence in ACL reconstruction using a Retrograde Drill—A Cadaveric Study
Daniel J. Kaplan, BA*; Jason Capo, MD; David J. Fralinger, MD; Laith M. Jazrawi, MD; Soterious Gyftopolous, MD; Michael J. Alia, MD

5:25-5:35 pm  Painful Os Trigonum Excision in Dancers via an Open Posteromedial Approach
Jessica H. Heyer, MD*; Donald J. Rose, MD

5:35-6:00 pm  BREAK

6:00-7:00 pm  SIR ROBERT JONES LECTURE
New Technology: Can We Afford It?
Thomas P. Sculco, MD

7:00 pm  RECEPTION
Thirteenth Floor
Hospital for Joint Diseases
GUEST LECTURER

Thomas P. Sculco, MD
Surgeon-in-Chief Emeritus
Hospital for Special Surgery
Professor Orthopaedic Surgery
Weill Cornell Medical College
New York, NY

FACULTY & STAFF PRESENTERS
NYU Langone Medical Center, Department of Orthopaedic Surgery

Omari Ayalon, MD
Hand Surgery Fellow

Aaron J. Buckland, MD, FRACS
Assistant Professor of Orthopaedic Surgery

Tristan Camus, MD, FRCSC
Clinical Instructor of Orthopaedic Surgery
Fellow, Adult Reconstruction

Alice Chu, MD
Assistant Professor of Orthopaedic Surgery

Edward M. DelSole, MD
Resident Physician

Andrew P. Dold, MD, FRCS
Clinical Fellow, Orthopaedic Sports Medicine and Arthroscopy

Adam S. Driesman, BA
Research Coordinator, Orthopaedic Surgery

John M. Dundon, MD
Adult Reconstruction Fellow

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Executive Chief Resident, Orthopaedic Surgery

David S. Goodwin, MD
Sports Medicine Fellow

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Clinical Professor of Orthopaedic Surgery and Pediatrics
Hofstra University
Hempstead, NY

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Resident, PGY-1
George Washington University Hospital
Washington, DC

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Research Fellow

Daniel J. Kaplan, BA
Research Assistant

I. David Kaye, MD
Chief Resident

James X. Liu, MD
Resident Physician

Siddharth A. Mahure, MD
Research Fellow - Shoulder & Elbow Division

Patrick A. Meere, MD
Clinical Associate Professor of Orthopaedic Surgery

Michael T. Milone, MD
Resident Physician, Orthopaedic Surgery

Khalid Odeh, MD
Clinical Research Fellow

Jonathan H. Oren, MD
Fellow, Spine Surgery

Austin Ramme, MD, PhD
Resident

Nicholas Ramos, MD
Resident Physician

Hesham Saleh, BS
Medical Student, Year 3

Mikael Starecki, MD
Orthopaedic Hand Fellow

Savyasachi Thakkar, MD
Fellow, Adult Reconstruction Surgery

Peter S. Walker, PhD
Professor of Orthopaedic Surgery
Director, Laboratory for Minimally Invasive Surgery

Maxwell Weinberg, MD
Clinical Research Fellow

William D. Zelenty, BS
Medical Student

*Non-NYU Langone Presenter
Sir Robert Jones (1857-1933) made a profound and lasting impression on British and American orthopaedic surgery, first from his organization of the treatment of the injured during the construction of the massive Manchester Ship Canal, and then through his work as Inspector of Military Orthopaedics in Great Britain during World War I (1914-1919). Born in Rhyle, Wales, Robert Jones attended the Liverpool School of Medicine and was appointed General Surgeon to the Stanley Hospital in Liverpool in 1881. After graduating as Licentiate of the Royal College of Surgeons of Edinburgh, he joined the busy, unique Liverpool practice of his uncle, Hugh Owen Thomas (1834-1891).

Robert Jones became, over time, the most important personage of his day in surgery; his work and his teaching of the principles of Hugh Owen Thomas shaped the conservative attitudes of surgeons toward orthopaedic care for many decades after his death. Orthopaedics in Great Britain was founded by Hugh Owen Thomas, and the acceptance and dissemination of Thomas’ clinical work by Sir Robert Jones was crucial to the establishment of orthopaedics as a specialty in Britain, and through teachings of his methods by John D. Ridlon in the United States. Sir Robert Jones, knighted in 1917 by Edward VIII, and Hugh Owen Thomas are widely regarded as the fathers of modern orthopaedics.

The annual Sir Robert Jones Lecture was first delivered in 1930, at the then Hospital for Joint Diseases, at 123rd Street and Madison Avenue. The Lecture continues its tradition of excellence in orthopaedics at the Hospital for Joint Diseases at NYU Langone Medical Center through the work of distinguished contemporary scholars and also honors the achievements of Sir Robert Jones.

**SIR ROBERT JONES LECTURE RECENT GUEST LECTURERS***

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<tr>
<th>Year</th>
<th>Lecturer</th>
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<tr>
<td>2016</td>
<td>THOMAS P. SCULCO</td>
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<tr>
<td>2015</td>
<td>FREDDIE H. FU</td>
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<tr>
<td>2014</td>
<td>STEVEN D. GLASSMAN</td>
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<td>2013</td>
<td>JOHN J. CALLAGHAN</td>
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<td>TODD J. ALBERT</td>
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<td>2011</td>
<td>ROY SANDERS</td>
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<td>2010</td>
<td>BERNARD R. BACH, JR.</td>
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<td>JOEL M. MATTA</td>
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<td>DEREK J.W. MCMINN</td>
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<td>DOUGLAS W. JACKSON</td>
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<td>JOSEPH P. IANNOTTI</td>
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<td>2005</td>
<td>VERNON T. TOLO</td>
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<td>2004</td>
<td>THOMAS S. THORNHILL</td>
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<td>BERNARD F. MORREY</td>
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<td>DAVID S. BRADFORD</td>
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<td>DAN M. SPENGLER</td>
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<td>CLEMENT B. SLEDGE</td>
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<td>1991</td>
<td>SHERMAN S. COLEMAN</td>
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<td>1990</td>
<td>MARIO CAMPANACCI</td>
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* Lecture founded in 1930
GUEST SPEAKER
THOMAS P. SCULCO, MD

Dr. Thomas P. Sculco is currently Surgeon-in-Chief Emeritus of Hospital for Special Surgery and Professor of Orthopaedic Surgery at Weill Cornell Medical College.

Dr. Sculco’s research interests are currently centered on improvements in surgical technique and preventing failure of hip and knee implants. He has been awarded both the Otto Aufranc and the Charnley Award from the Hip Society for his work with Thrombogenesis in Total Hip Replacement. He has received the Arthritis Foundation’s Lifetime Achievement Award and the National Healthcare Professional Award. He is the first American to be elected as an Honorary Member of the Austrian Orthopaedic Society and has also been named an Honorary Member of the Hellenic Orthopaedic Society. Dr. Sculco was awarded the Humes Professorship in Salzburg, Austria. In 2005 he received the Gold Medal Award for Clinical Medicine from Columbia University College of Physicians and Surgeons and in 2013 he was awarded the Austrian Cross of Honor, First Class, for Science and Art.

He has written over 350 papers, 84 chapters, three books on orthopedic surgery and the surgical treatment of arthritis and has presented over 750 papers.

Dr. Sculco founded the International Society of Orthopaedic Centers and served as Executive Director for 10 years. He is a founding member and current President of the Knee Society and also founded the VA Orthopaedic Society. Dr. Sculco has served on the Board of Directors of the American Academy of Orthopedic Surgeons, and the Arthritis Foundation. He presently serves on the Board of Directors of Carnegie Hall and the Council of Advisors of Columbia University. Dr. Sculco was the honoree at the Columbus Day Parade in 2011. He is a Board Member of OREF and the J. Robert Gladden Society and President of New York Medical and Surgical Society.
ACCREDITATION STATEMENT
The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT
The NYU Post-Graduate Medical School designates this live activity for a maximum of 7.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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REGISTRATION INFORMATION
To register, please visit http://med.nyu.edu/cme/srj

Applications will be accepted in order of their receipt. In order to reserve your seat, please register in advance as on-site registration is not guaranteed. An email confirmation will be sent confirming your registration.

(Please note: We cannot accept telephone or email registration. Registration is non-transferable.)

If you have any further questions, please contact us at cme@nyumc.org or 212-263-5295.