HSS Stavros Niarchos Foundation Orthopaedic Seminar Program

NOVEMBER 28–DECEMBER 2, 2017
Hospital for Special Surgery | New York City

Complex Primary Total Knee & Hip Replacement

29th Annual Holiday Knee & Hip Course

Presented by HOSPITAL FOR SPECIAL SURGERY Office of Continuing Medical Education and funded by the STAVROS NIARCHOS FOUNDATION
INTRODUCTION
Since 2006, Hospital for Special Surgery (HSS) has offered annual Stavros Niarchos Foundation Orthopaedic Seminars and Stavros Niarchos—Thomas P. Sculco, MD Orthopaedic Fellowships, initiatives that have been critical to advancing the education of orthopaedic surgeons from Greece. The continued support from the Stavros Niarchos Foundation has allowed the creation of new educational endeavors for Greece’s orthopaedic surgeons.

Founded in 1863, Hospital for Special Surgery is the nation’s oldest orthopaedic hospital. More than 38,000 surgical procedures are performed annually. HSS performs more hip surgeries and more knee replacements than any other hospital in the nation. For the eighth consecutive year, HSS has been ranked the No. 1 hospital in the country for orthopaedics by U.S. News & World Report Best Hospitals 2017-18 rankings. HSS has also been recognized as a leader in rheumatology, ranking No. 3 in the nation.

Hospital for Special Surgery provides leadership and expertise in musculoskeletal care benefiting patients, physicians, and researchers across the world. Patients travel across oceans and continents to HSS for treatment; international fellows train here and return to their home countries with new skills and ideas; and our researchers collaborate with their peers from other global institutions searching for the answers to address musculoskeletal and autoimmune diseases.

MISSION & VISION
The mission of Hospital for Special Surgery is to provide the highest quality patient care, improve mobility and enhance quality of life and to advance the science of orthopaedic surgery, rheumatology and their related disciplines through research and education. The vision of Hospital for Special Surgery is to lead the world as the most innovative source of medical care, to be the premier research institution and the most trusted educator in the field of orthopaedics, rheumatology and their related disciplines.

AFFILIATIONS & ACCREDITATIONS
Hospital for Special Surgery is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians as well as the Joint Commission on Accreditation of Healthcare Organizations. It is an affiliate of Weill Cornell Medicine and cooperates in patient care with Memorial Sloan-Kettering Cancer Center, New York-Presbyterian/Weill Cornell Medicine and The Rockefeller University. Hospital for Special Surgery’s continuing professional education activities are intended to be evidence-based and free of commercial bias.

STAVROS NIARCHOS FOUNDATION
The Stavros Niarchos Foundation is one of the world’s leading private international philanthropic organizations, providing grants in the areas of arts and culture, education, health and sports, and social welfare. The Foundation funds organizations and projects that are expected to achieve a broad, lasting and positive impact for society at large, and exhibit strong leadership and sound management. The Foundation also seeks actively to support projects that facilitate the formation of public-private partnerships as an effective means for serving public welfare. Since 1996, the Stavros Niarchos Foundation has made grant commitments of $1.8 billion through 3,534 grants to nonprofit organizations in 111 nations around the world.

ACKNOWLEDGEMENT
Hospital for Special Surgery gratefully acknowledges the Stavros Niarchos Foundation for its generous grant to support these medical education initiatives.

Photo, top right: Participants and faculty of the 2016 HSS Stavros Niarchos Foundation Orthopaedic Seminar Program
OVERVIEW
The five day Stavros Niarchos Foundation Orthopaedic Seminar Program will focus on the latest advances in knee and hip reconstruction surgery. The first two days will consist of seminars including a combination of didactic sessions, case consultations, roundtable discussions, hands on cadaver training workshops, and operating room observation to expose participants to the complexities and decision-making processes of surgery, as well as advanced surgical techniques. Specifically, the first day of the program will concentrate on complex primary total knee replacement. Topics include skeletal dysplasias, considerations for neuromuscular disease patients, multi-planar deformities, pre-operative planning and implant selection. The second day will focus on complex primary total hip replacement, and includes topics such as acetabular fracture, hip dysplasia, total hip arthroplasty conversion, and exposure in the complex hip. The final three days of the program include attendance at the 29th Annual HSS Holiday Knee & Hip Course to learn the latest trends and techniques in hip and knee surgery.

TARGET AUDIENCE
Orthopaedic surgeons practicing in Greece.

LEARNING OBJECTIVES
- Describe the core principles underlying complex primary knee and hip surgeries
- Recognize necessary foundational total knee and hip replacement techniques and implement these skills in the cadaver lab
- Describe additional considerations, such as pre-operative planning and patient selection, for total knee and hip replacements
- Explain perioperative management of total knee and hip replacement patients
- Identify complexities around knee and hip deformities and their treatment decision making algorithms
- Recognize the latest surgical trends in the treatment of complex cases

FINANCIAL DISCLOSURE
In accordance with the Accreditation Council for Continuing Medical Education’s Standards for Commercial Support, all CME providers are required to disclose to the activity audience the relevant financial relationships of the activity directors, planning committee members, presenters, authors and staff involved in the development of CME content. An individual has a relevant financial relationship if he or she has a financial relationship in any amount occurring in the last 12 months with a commercial interest whose products or services are discussed in the CME activity content over which the individual has control.

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Access didactic lectures, surgical videos, conversations with experts, and more online from the comfort of your home or office computer. HSS.edu/eAcademy has curated one of the largest portfolios of on-demand musculoskeletal content with a collection of over 600 offerings reaching participants across the globe in over 100 countries.
Complex Primary Total Knee & Hip Replacement
Program Agenda

Tuesday, November 28, 2017
Complex Primary Total Knee Replacement
Session Moderator: Peter K. Sculco, MD
Location: Richard L. Menschel Education Center
Conference Room C, 2nd Floor

7:30 am Welcome Breakfast
Thomas P. Sculco, MD

7:45 am Skeletal Dysplasia and Juvenile Inflammatory Arthritis
Mark P. Figgie, MD

8:05 am TKA in Neuromuscular Disease Patients
Mathias P. Bostrom, MD

8:25 am Multi-planar Deformities (Varus, Valgus, Recurvatum)
Friedrich Boettner, MD

8:50 am Severe Flexion Contraction/Stiff Knee
Peter K. Sculco, MD

9:10 am TKA After High Tibial Osteotomy/Plateau/Unicompartmental
Michael M. Alexiades, MD

9:40 am Pre-op Planning/Implant Selection
Friedrich Boettner, MD

10:00 am Perioperative Management
Peter K. Sculco, MD

10:30 am Break

11:00 am Video Presentation 1: Valgus Knee
Peter K. Sculco, MD

11:30 am Video Presentation 2: Unicompartmental Conversion
Friedrich Boettner, MD

12:00 pm Lunch: Case Studies/Roundtable Discussions
Thomas P. Sculco, MD; Peter K. Sculco, MD
Location: 8th Floor Board Room

1:00 pm GROUP A—Cadaveric Training
Location: Bioskills Education Lab, 8th Floor
Valgus Knee
Friedrich Boettner, MD
Achieving Balanced TKA
Peter K. Sculco, MD

GROUP B—Observation in the OR
Location: Operating Rooms, 4th Floor

3:00 pm Break

4:00 pm GROUP A—Observation in the OR
Location: Operating Rooms, 4th Floor

GROUP B—Cadaveric Training
Location: Bioskills Education Lab, 8th Floor
Valgus Knee
Friedrich Boettner, MD
Achieving Balanced TKA
Peter K. Sculco, MD

6:00 pm Concluding Session

Wednesday, November 29, 2017
Complex Primary Total Hip Replacement
Session Moderator: Michael B. Cross, MD
Location: Richard L. Menschel Education Center
Conference Room C, 2nd Floor

7:45 am Breakfast

8:00 am Acetabular Fractures and THA
Peter K. Sculco, MD

8:20 am Hip Dysplasia
Mathias P. Bostrom, MD

8:40 am Proximal Femoral Deformity
Edwin P. Su, MD

9:00 am THA Conversion
Mathias P. Bostrom, MD

9:20 am Pre-operative Planning/Implant Selection
Michael B. Cross, MD

9:40 am THA and Lumbar Spine Disease
Seth A. Jerabek, MD

10:00 am Exposure in the Complex Hip
Alexander S. McLawhorn, MD, MBA

10:30 am Break

11:00 am Video Presentation 1: Total Hip Arthroplasty for the Dysplastic Hip
Alexander S. McLawhorn, MD, MBA

11:30 am Lunch: Case Studies/Roundtable Discussions
Mathias P. Bostrom, MD; Michael B. Cross, MD
Location: 8th Floor Board Room

12:30 pm GROUP A—Cadaveric Training
Location: Bioskills Education Lab, 8th Floor
Shortening Osteotomy
Alexander S. McLawhorn, MD, MBA
Acetabular Positioning
Michael B. Cross, MD

GROUP B—Observation in the OR
Location: Operating Room, 4th Floor

2:30 pm Break

3:30 pm GROUP A—Observation in the OR
Location: Operating Room, 4th Floor

GROUP B—Cadaveric Training
Location: Bioskills Education Lab, 8th Floor
Shortening Osteotomy
Alexander S. McLawhorn, MD, MBA
Acetabular Positioning
Michael B. Cross, MD

5:40 pm Concluding Session
HSS Planning Committee

Michael M. Alexiades, MD
Associate Attending Orthopaedic Surgeon
Hospital for Special Surgery
Associate Professor of Clinical Orthopaedic Surgery
Weill Cornell Medicine

Friedrich Boettner, MD
Associate Attending Orthopaedic Surgeon
Hospital for Special Surgery
Associate Professor of Orthopaedic Surgery
Weill Cornell Medicine

Mathias P. Bostrom, MD
Attending Orthopaedic Surgeon
Hospital for Special Surgery
Professor of Orthopaedic Surgery
Weill Cornell Medicine

Michael B. Cross, MD
Assistant Attending Orthopaedic Surgeon
Hospital for Special Surgery
Assistant Professor of Orthopaedic Surgery
Weill Cornell Medicine

Jennifer Hammann-Scala
Bioskills Education Lab Manager
Education & Academic Affairs

HSS Faculty

Peter K. Sculco, MD
Assistant Attending Orthopaedic Surgeon
Hospital for Special Surgery
Instructor in Orthopaedic Surgery
Weill Cornell Medicine

Thomas P. Sculco, MD
Surgeon-in-Chief Emeritus
Attending Orthopaedic Surgeon
Hospital for Special Surgery
Professor of Orthopaedic Surgery
Weill Cornell Medicine

HSS Program Coordinators

Martha O’Brasky, MPA
Vice President
Education & Academic Affairs

Brenda Ventura, MPH, MBA
Senior Director, Global Academic Partnerships
Education & Academic Affairs

Gavin Berger
Coordinator, Global Academic Partnerships
Education & Academic Affairs

For more info about HSS-Stavros Niarchos Orthopaedic Education Programs please visit hss.edu/niarchos-orthopaedic-education-program.

HSS Holiday Knee & Hip Course

HSS Stavros Niarchos Foundation Orthopaedic Seminar Program participants will attend the 29th Annual HSS Holiday Knee & Hip Course at the Grand Hyatt Hotel in New York, NY on November 30–December 2, 2017. This annual symposium offers a comprehensive overview of adult reconstruction today, providing critical updates on surgical techniques and materials, best practices for pre- and post-operative care, and strategies for efficiency and accuracy in the operation room.

Highlights include:
- Total Knee Replacement Tips & Tricks
- Complications in Total Hip Replacement
- Ambulatory Surgery
- Revision in both Total Hip and Knee Replacement
- Keynote Speaker: Timothy Wright, PhD, Director of Biomechanics at HSS—Implant Evolution Over the Years: The Good, The Bad, and the Ugly

Agenda for this program is in development and will be available at a later date.
28th Annual Holiday Knee & Hip Course
DECEMBER 1–3, 2016

STATEMENT OF NEED
Total knee and hip replacements are among some of the most common inpatient procedures. Continued modifications in surgical techniques and materials have further enhanced patient outcomes. Orthopaedic surgeons need the most up-to-date knowledge to successfully perform a total knee or hip replacement, provide optimal care and treatment, manage post-operative complications, and appraise current controversies in the care and treatment of knee and hip disorders in various patient populations.

In 2016, this annual course will emphasize evidence driven medical knowledge on critical, timely topics ranging from non-operative management to early interventions for arthritis. During debates, consensus building sessions, and small group breakouts, expert faculty will present guidelines for perioperative management, surgical pearls and the realities of value-based care.

LOCATION
The Grand Hyatt Hotel, 109 East 42nd Street, New York City

TARGET AUDIENCE
This activity is targeted to orthopaedic surgeons. Physician assistants, physical therapists, residents, fellows, and medical students may benefit from attending this activity.

LEARNING OBJECTIVES
HSS continuing medical education activities are intended to improve the quality of patient care and safety. At the completion of the course, the participant should be able to:

- Describe and be able to use diagnostic techniques to identify at-risk patients for the development of hip disorders.
- Describe and be able to incorporate into their practice current non-surgical treatment approaches for arthritis of the hip and knee.
- Discuss best practices for blood management.
- Relate and be able to recommend current options in anesthesia and pain management.
- Discuss and implement best practices for the various stages of treatment.
- Report techniques to achieve optimum soft tissue balance in knee replacement.
- Discuss optimal use of bearing combinations in total knee and hip replacements and the long term impact of these combinations on wear and potential risk of fracture.
- Explain the economics, logistics, patient health and other risk factors to note when considering ambulatory joint replacements of the knee and hip.
- Discuss and be able to select the appropriate techniques for managing difficult knee and hip cases.
- State the steps to a preoperative evaluation and reasons for revision TKA and THA.

AND MORE

HOT TOPICS
This year’s course will present timely issues including:

- Update on Trunnion Issues
- Bundled Payments for Care Improvements
- Ambulatory Surgery for Joint Replacements
- Techniques for Complex Cases

ACCREDITATION STATEMENT AND CREDIT DESIGNATION
Hospital for Special Surgery is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Hospital for Special Surgery designates this live activity for a maximum of 19 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Hospital for Special Surgery is a New York State Education Department approved provider for physical therapy continuing education. Hospital for Special Surgery designates this activity for 19 Contact Hours. The following states require continuing education units with no state-specific approval: CT, IA, MA and WA.

SPECIAL NEEDS
The Grand Hyatt Hotel is accessible for individuals with disabilities or special needs. Participants with special needs are requested to contact the Office of Continuing Medical Education at 212.606.1812.

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Networking Reception
Please join us Thursday, December 1st, from 4 to 5 pm for a Networking Reception at the Grand Hyatt for participants, faculty and exhibitors.

Call for Abstracts
Interested residents and fellows are encouraged to submit a research abstract for our scientific poster sessions. The best abstract will be awarded the 2016 Richard S. Laskin, MD, Research Award. Deadline for submission is November 11, 2016. Go to www.hss.edu/cme for full details.
28th Annual Holiday Knee & Hip Course
Activity Agenda

DAY 1
Thursday, December 1, 2016
6:30 am Breakfast/Registration
7:30 am Welcome*
7:45 am
Hip Preservation Overview
- Clinical Evaluation of the Non-Arthritic Hip
- Radiographic Evaluation & Femoral Osteotomy
- Arthroscopic Indications
- Open Surgical Indications: Pelvic Osteotomy and Surgical Hip Dislocation
- Discussion/Q&A
8:35 am
Nonsurgical Treatment of Arthritis
- Cortisone and Viscosupplementation Injections
- PRP and Stem Cell Therapy
- Physical Therapy and Bracing
- Discussion/Q&A
9:15 am Break*
9:35 am
Surgical Treatment of OA of the Knee
- Cartilage Repair — What’s New?
- Osteotomy — Is There Still a Role?
- Partial Knee Replacement — Who & Why?
- Total Knee Replacement — Is It Still the Gold Standard?
- Discussion/Q&A
10:15 am
Perioperative Management
- Modifiable Risk Factors
- Pre-operative Physical Therapy
- Discussion of Expectations
- Intraoperative Medical Management: Blood Loss
- Intraoperative Medical Management: Optimizing Pain Management
- Closing the Wound — Closure Techniques and Dressings
- DVT and PE Prophylaxis
- Discussion/Q&A
11:20 am Luncheon*
11:55 am Interactive Consensus Building Session
12:25 pm Partial Knee Replacement
- Surgical Techniques: Manual
- Surgical Techniques: Robotic
- Surgical Techniques: Patient Specific
- Surgical Techniques: Cost Effectiveness
- Discussion/Q&A
1:00 pm Break*

1:15 pm
Balancing a Total Knee Replacement
- Mechanical Alignment with a Bony Resection Model
- Mechanical Alignment with Flexion Gap Balancing
- Kinematic Alignment: Always Balanced?
- Use a Sensor and Futz with it: Shave a little Bone, Peircrust a Ligament
- Discussion/Q&A
1:55 pm
Total Knee Replacement Tips and Tricks
- How Do I Set Femoral Rotation?
- How Do I Set Tibial Rotation?
- How Do I Do a Posterolateral Release for a Valgus Knee?
- Patellar Tracking: When Do I Do a Lateral Release and How Do I Do It?
- Discussion/Q&A
2:35 pm
Implants and Materials
- Bicruciate Retaining Total Knee: An Advance or Asking for Trouble?
- Uncemented Total Knee: Are We There Yet?
- Cross Linked Poly in Knees: Friend or Foe?
- Discussion/Q&A
3:07 pm
Ambulatory Surgery & Bureaucratic Necessities
- Ambulatory Surgery Joint Replacement
- Bundled Payments for Care Improvement
- Documentation to Assure Approval
- Discussion/Q&A
4:00 pm Exhibitor Networking Reception*

DAY 2
Friday, December 2, 2016
6:30 am Breakfast/Registration
7:30 am Welcome*
7:40 am
Complex Primary Knee Replacement
- Total Knee Replacement with Hardware Present
- Total Knee Replacement in the Face of Femoral or Tibial Deformity
- Exposure for the Stiff Primary Total Knee
- Total Knee in a Patient Starting with a Large Flexion Contracture
- Discussion/Q&A
8:20 am
Assessment and Management of the Problem Knee
- “My Knee Won’t Bend” — Stiff Post-op TKA
- “My Knee Hurts” — The Painful TKA
- “My Knee is Infected” — TKA Infection
- Discussion/Q&A
8:52 am
Revision Total Knee Replacement
- Planning — What is the Appropriate Pre-operative Evaluation?
- Exposures
- Porous Cones: When to Use Them and How?
- Constraint — CR, PS, Constrained Hinge — How Do I Make the Decision?
- Revision in the Community
- Discussion/Q&A
9:42 am Richard S. Laskin, MD, Research Award*
10:00 am Richard S. Laskin, MD, Research Award Recipient Research Presentation
- Discussion/Q&A
10:10 am Break*
10:20 am DEBATE SESSION 1
Ambulatory Total Joint Replacement: For the Patient or for the Surgeon/Center Owner?
- For
- Against
- Discussion/Q&A
11:00 am DEBATE SESSION 2
Dual Mobility in Primary THR
- For Dual Mobility in All Primary THR
- Potential Conflicts of DM Bearings
- Discussion/Q&A
11:50 am DEBATE SESSION 3
Early Periprosthetic Fractures
- Avoiding Leg Length Discrepancies
- The Acutely Infected THR
- Discussion/Q&A
12:20 pm Lunch*
12:50 pm HOT TOPICS IN HIP
Planning and Execution
- Pre-operative Templating
- How Does the Spine Affect What We Do?
- Navigation and Robotics
- Discussion/Q&A
1:35 pm Bearing Selection
- Ceramic on Ceramic
- Cross Linked Poly Retrievals
- Cross Linked Poly Clinical Results
- Discussion/Q&A
2:05 pm
The Issue With Trunnions
- KEYNOTE SPEAKER: Trunnionosis: It Saw Us Before We Saw It
- What We’ve Learned From Retrievals
- Management of Trunnionosis
- Discussion/Q&A
3:10 pm Travel to Breakout Sessions*
3:15 pm Breakout Sessions: Review of Complex Cases
4:45 pm Adjourn*

DAY 3
Saturday, December 3, 2016
7:00 am Breakfast/Registration
8:00 am Welcome*
8:10 am Complex Primary THR
- THR for Hip Dysplasia
- Converting an IM Nail to a Total Hip Replacement
- Total Hip Replacement After Femoral Neck Fracture: Tips and Tricks
- Discussion/Q&A
8:55 am Complications in THR
- Dislocation Remains the #1 Problem
- Avoiding Leg Length Discrepancies
- Early Periprosthetic Fractures
- The Acutely Infected THR
- Discussion/Q&A
9:50 am Break*
10:05 am Revision THR
- Evaluation of the Painful Hip
- Preoperative Planning
- Exposure in Revision THR: Videos
- Instability in THR and Role of Constraint
- Discussion/Q&A
10:55 am Acetabular Revision
- Hemispheric Augments
- Cup Cage Constructs
- Bone Graft
- Discussion/Q&A
11:50 am The Femoral Side
- Modular Stems
- Non-Modular Tapered Stems
- Cylindrical Stems
- Impaction Grating
- Discussion/Q&A
12:35 pm Adjourn*
* Not designated for credit. Faculty and agenda subject to change.

For More Information About HSS CME Offerings
Go to www.hss.edu/cme for a complete calendar of scheduled live and online CME activities
28th Annual Holiday Knee & Hip Course
Program Faculty

**ACTIVITY DIRECTORS**

**Steven B. Haas, MD**
Chief of Knee Service
Attending Orthopaedic Surgeon
Hospital for Special Surgery
Professor of Clinical Orthopaedic Surgery
Weill Cornell Medicine
New York, NY

**Douglas E. Padgett, MD**
Chief of Adult Reconstruction and Joint Replacement Division
Associate Attending Orthopaedic Surgeon
Hospital for Special Surgery
Associate Professor of Orthopaedic Surgery
Weill Cornell Medicine
New York, NY

**CURRICULUM DIRECTOR**

**David J. Mayman, MD**
Clinical Co-Director
Computer Assisted Surgery Center
Associate Attending Orthopaedic Surgeon
Hospital for Special Surgery
Associate Professor of Orthopaedic Surgery
Weill Cornell Medicine
New York, NY

**GUEST FACULTY**

**Michael P. Ast, MD**
Director, Outpatient Joint Replacement
Mercy County Surgery Center
Director, Robotic Joint Replacement Program
RWJ University Hospital-Hamilton
Mercer-Bucks Orthopaedics
Lawrenceville, NJ

**Charles R. Clark, MD**
Dr. Michael Bonfiglio
Professor of Orthopaedics and Rehabilitation
Carver College of Medicine
University of Iowa
Professor of Biomedical Engineering
College of Engineering
University of Iowa
Iowa City, IA

**Fred D. Cusmer, MD**
Chief of Division of Orthopaedic Surgery
Southside Hospital
Assistant Professor
Hofstra Northwell
School of Medicine
Bay Shore, NY

**Craig J. Della Valle, MD**
Professor of Orthopaedic Surgery
Chief, Division of Adult Reconstructive Surgery
Rush University Medical Center
Chicago, IL

Donald Garbuz, MD, MHSc, FRSC
Professor and Head
Division of Lower Limb Reconstruction and Oncology
Department of Orthopaedics
University of British Columbia
Vancouver, BC
Canada

A. Seth Greenwald, D Phil (Oxon)
Orthopaedic Research Laboratories
Cleveland, OH

Karim A. Habibi, FHFMA, MPH, MS
Senior Vice President and Chief of Managed Care and Healthcare Reform
NYU Langone Medical Center
New York, NY

Mark A. Hartzband, MD
Director, Joint Replacement Service
Senior Attending Physician
Hackensack University Medical Center
Hackensack, NJ
Medical Director, Bone and Joint Center
Holy Name Medical Center
Teaneck, NJ

William B. Macaulay, MD
Nas S. Eftekhari
Professor of Clinical Orthopaedic Surgery
Chief, Department of Orthopaedics
NewYork-Presbyterian Lawrence Hospital
Director, Center for Hip & Knee Replacement (CHKR)
Director, CHKR Clinical Fellowship
Co-Chief, Division of Hip & Knee Reconstruction
Columbia University
New York, NY

Steven J. MacDonald, MD, FRSC
J.C. Kennedy Professor and Chairman of Orthopaedic Surgery
Western University
University Hospital, London
Health Sciences Centre
London, ON
Canada

R. Michael Meneghini, MD
Associate Professor
Orthopaedic Surgery
Indiana University School of Medicine
Indianapolis, IN

Michael D. Ries, MD
Fellowship Co-Director
Reno Orthopaedic Clinic
Reno, NV

Martin Roche, MD
Director of Robotic and Knee Fellowship
Holy Cross Orthopaedic Institute
Holy Cross Hospital
Fort Lauderdale, FL

Giles R. Scuderi, MD
Vice President
Orthopaedic Service Line
Northwell Health
New York, NY
Fellowship Director
Adult Knee Reconstruction
Lenox Hill Hospital
New York, NY
Associate Professor of Orthopaedic Surgery
Hofstra Northwell
School of Medicine
Hempstead, NY

Thomas S. Thornhill, MD
John B. and Buckingham Brown Professor of Orthopaedic Surgery
Harvard Medical School
Chairman Emeritus
Department of Orthopaedics
Brigham and Women’s Hospital
Boston, MA

Alfred J. Tria, Jr., MD
Chief of Orthopaedic Surgery
St. Peters University Hospital
Clinical Professor of Orthopaedic Surgery
Robert Wood Johnson Medical School
New Brunswick, NJ

Robert T. Trousdale, MD
Professor, Orthopaedic Surgery
Mayo Medical School
Rochester, MN

Prof. Dr. Jan Victor
Chair, Department of Orthopaedics and Traumatology
Ghent University Hospital
Ghent, Belgium

**HSS FACULTY**

**Michael M. Alexiades, MD**
Director
Department of Rehabilitation
Associate Attending Orthopaedic Surgeon
Associate Professor

Sherry J. Backus, PT, DPT, MA
Clinical Supervisor
Leon Root, MD, Motion Analysis Laboratory

Friedrich Boettner, MD
Associate Attending Orthopaedic Surgeon
Associate Professor of Orthopaedic Surgery

Robert L. Buly, MD
Chief of Hip Preservation Service
Associate Attending Orthopaedic Surgeon
Associate Professor of Orthopaedic Surgery

Charles N. Cornell, MD
Clinical Director of Orthopaedic Surgery
Attending Orthopaedic Surgeon
Professor of Clinical Orthopaedic Surgery

Michael B. Cross, MD
Assistant Attending Orthopaedic Surgeon
Assistant Professor of Orthopaedic Surgery

Christina Esposito, PhD
Assistant Scientist
Department of Biomechanics
Assistant Professor of Applied Biomechanics in Orthopaedic Surgery

Mark P. Figgie, MD
Chief of Surgical Arthritis Service
Attending Orthopaedic Surgeon
Professor of Clinical Orthopaedic Surgery

Alejandro Gonzalez Della Valle, MD
Attending Orthopaedic Surgeon
Professor of Orthopaedic Surgery

Enrique A. Goytizolo, MD
Attending Anesthesiologist
Clinical Assistant Professor of Anesthesiology

Seth A. Jerabek, MD
Assistant Attending Orthopaedic Surgeon
Assistant Professor of Orthopaedic Surgery

Bryan T. Kelly, MD
Chief of Sports Medicine & Shoulder Service
Attending Orthopaedic Surgeon
Professor of Orthopaedic Surgery

Danyal H. Nawabi, MD, FRCS (Orth)
Assistant Attending Orthopaedic Surgeon
Assistant Professor of Orthopaedic Surgery

Chitrangan J. Ranawat, MD
Attending Orthopaedic Surgeon
Professor of Orthopaedic Surgery

Daniel S. Rich, MD
Assistant Attending Orthopaedic Surgeon
Clinical Assistant Professor in Orthopaedic Surgery

Scott A. Rodeo, MD
Co-Chief Emeritus of Sports Medicine & Shoulder Service
Attending Orthopaedic Surgeon
Professor of Orthopaedic Surgery

Jose A. Rodriguez, MD
Assistant Attending Orthopaedic Surgeon
Chief of Reconstruction Arthroplasty

Peter K. Sculco, MD
Assistant Attending Orthopaedic Surgeon

Rupali Soeters, PT, MEd, PhD
Researcher
Department of Rehabilitation

Edwin P. Su, MD
Associate Attending Orthopaedic Surgeon
Associate Professor of Orthopaedic Surgery

Geoffrey H. Westrich, MD
Director of Research
Adult Reconstruction and Joint Replacement Division
Attending Orthopaedic Surgeon
Professor of Clinical Orthopaedic Surgery

Russell E. Windsor, MD, PC
Laskin Award Committee Chair
Attending Orthopaedic Surgeon
Professor of Clinical Orthopaedic Surgery

Timothy Wright, PhD
FM Kirby Chair of Orthopaedic Biomechanics
Professor of Applied Biomechanics
Department of Orthopaedics

*Affiliated with Weill Cornell Medicine*