

The Alumni Association of the
Department of Orthopedic Surgery
presents

The 2021 Scientific Program *and* Sir Robert Jones Lecture



November 4-5, 2021

GUEST SPEAKER

Valerae O. Lewis, MD

John Murray Professor and Chair

Department of Orthopaedic Oncology

University of Texas MD Anderson Cancer Center



Provided by NYU Grossman School of Medicine

The 2021 Scientific Program *and* Sir Robert Jones Lecture

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Message from Program Chair Michael J. Alaia, MD

As Program Chair it gives me great pleasure to welcome you to the 2021 Annual Scientific Meeting of the Alumni Association, highlighted by the 91st Sir Robert Jones Lecture delivered by our distinguished guest Valerae O. Lewis, MD.

We are pleased to return to an in person event after pivoting to a virtual program in 2020 due to Covid-19. We received 76 submissions for abstracts this year in topics covering the spectrum of all orthopedic subspecialties. This is indicative of the outstanding work done by our department and our alumni.

I would like to thank the alumni and members of the department for their hard work, dedication, and commitment to the advancement of the field. We would also like to thank the abstract reviewers for providing us with an outstanding selection of interesting studies. I hope you find this meeting to be a rewarding experience.

Sincerely,



A handwritten signature in black ink, appearing to read 'M. Alaia'.

Michael J. Alaia, MD
Program Chair
Alumni Association

Dear Alumni:

As Chairman of the Department of Orthopedic Surgery it gives me great pleasure to welcome you to the annual Sir Robert Jones Lecture and Alumni Scientific Meeting. We hope you and your families are all well during this unprecedented time.

The Department of Orthopedic Surgery's annual Sir Robert Jones Lecture was first delivered at the Hospital for Joint Diseases (now NYU Langone Orthopedic Hospital) in 1930 and remains the premier event of our academic year. For this reason we have made it a priority to prepare the 2021 as a live event at NYU Langone Orthopedic Hospital, despite the challenges posed by Covid-19.

I look forward to sharing this unique program with you, which highlights the significant research performed by our graduates and faculty. I also look forward to learning from an esteemed, outstanding member of the academic orthopedic community - Valerae O. Lewis, MD, who is a pioneer in our field as the first African-American woman to Chair a Department of Orthopedic Surgery. We also warmly welcome our Alumnus speaker, Roy Sanders, MD.

I would like to extend my very best wishes, at this time, to all of the members of the Alumni Association.

Sincerely,



A handwritten signature in black ink, appearing to read 'Joe Zuckerman'.

Joseph D. Zuckerman, MD
Professor and Chairman
Department of Orthopedic Surgery

Dear Alumni:

On behalf of the Alumni Association I would also like to extend my sincere appreciation for your steadfast support and loyal participation. Your contributions to our Association are vital to us, especially as we face challenges we have never encountered in the training and education of future orthopedic surgeons. We are also delighted that alumnus, Roy Sanders, MD, has joined us to present the Distinguished Alumnus lecture.

The past two years have been particularly difficult for all of us working in medical centers and we are proud that we can bring you this excellent continuing medical education program. We are also pleased that so many members of our Association are able to share their research with us at this year's event.

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

Sincerely,



A handwritten signature in black ink, appearing to read 'Yong Kim'.

Yong H. Kim, MD
President
Alumni Association

COURSE DESCRIPTION

The annual Sir Robert Jones Lecture, first delivered at the Hospital for Joint Diseases Orthopedic Institute in 1930, continues the tradition of excellence in orthopedics 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 keynote lectures are devoted to the field of orthopedic oncology and will be delivered by our distinguished guest lecturer Valerae O. Lewis, MD.

TARGET AUDIENCE

NYU Langone Orthopedic Hospital attending staff, alumni, fellows, and residents

STATEMENT OF NEED

Orthopedics has several subspecialties. In each of these subspecialties, there are epidemiological issues that warrant discussion and need to be shared among specialists. Increasingly, orthopedists in academic medical centers also need to stay informed on the rapid changing technologies and cutting-edge surgical techniques in the field of orthopedic surgery. Our Sir Robert Jones academic meeting gathers together clinicians across all the subspecialties of orthopedic surgery to discuss advances in the field with special attention to patient outcomes research.



Our distinguished guest lecturer, Dr. Valerae O. Lewis, is a leader in the field of orthopedic oncology with particular expertise in limb salvage and pelvic sarcoma surgery in adult and pediatric patients.

EDUCATIONAL OBJECTIVES

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

1. Create strategies that address the latest clinical issues in the various subspecialties of orthopedic surgery
2. Create strategies that incorporate the latest techniques in each orthopedic surgical subspecialty into practice
3. Determine how best to integrate clinical science, diagnostic imaging, and state-of-the-art techniques when planning both investigative procedures and operations



PROGRAM AGENDA

THURSDAY, NOVEMBER 4

6:00 pm **Welcome and Introduction**
Joseph D. Zuckerman, MD

6:30 pm **Guest Lecture**
Hemipelvectomy: Should We Reconstruct?
Valerae O. Lewis, MD

FRIDAY, NOVEMBER 5

6:50 am **Breakfast**

7:20 am **Welcome**

7:30 am **Hand**
Moderator: Stuart Elkowitz, MD

7:30 *The Effect of Surgical Timing on Upper Extremity Nerve Repair.* Amy Birnbaum, MD, Rachel Roller, MS, Matthew T Kingery, MD, Jeffery S Chen, MD, Ali Azad, MD, Jacques H Hacquebord, MD

7:36 *Radially Based Extensor Retinacular Sling Reconstruction in Extensor Carpi Ulnaris Subsheat Injuries.* Michael Mastroianni MS, Matthew Leibman MD, Mark Belsky MD, David Ruchelsman MD

7:42 *Risk Factors for Ninety-Day Complications Following Open Reduction and Internal Fixation of Distal Radius Fractures.* Bilal Mahmood, MD, Samuel J. Swiggett, MD, Rushabh M. Vakharia, MD, Keith B. Diamond, MD, Jack Choueka, MD

7:50 **Q and A** (8 minutes)

8:00 **Cases/Panel discussions** (20 minutes)
Panel: Nicole Montero Lopez, MD, Chris Klifto, MD, Dimitri Christoforou, MD, David Ruchelsman, MD

8:20 am **Sports**
Moderator: Laith Jazrawi, MD

8:20 *Posterior Sagittal Position of the Tibial Tubercle as Measured by the Sagittal Tibial Tubercle – Trochlear Groove Distance Correlates With an Increased Risk for Surgery in Patients with Patellofemoral Chondral Lesions.* Daniel J Kaplan MD, Edward S. Mojica BS, Paola F. Ortega BA, Jairo Triana BS, Eric J Strauss MD, Laith M Jazrawi MD, Guillem Gonzalez-Lomas MD

8:26 *Modern Trends in Distal Clavicle Excision during Rotator Cuff Repair: Is it Falling by the Wayside?* Matthew J. Partan, DO, Peter B. White, DO, Cesar Iturriaga, DO, Randy M. Cohn, MD

8:32 *Risk of Post-operative Stiffness Following Multi-Ligamentous Knee Injury Surgery is Not Affected by Obesity: A Multi-Center Study.* Andrew S. Bi MD, Edward S. Mojica BS, Danielle H. Markus BA, Anna M. Blaeser BS, Joseph Kahan MD, Jay Moran, Laith M. Jazrawi MD, Michael J. Medvecky MD, Michael J. Alaia MD

8:40 **Q and A** (8 minutes)

8:50 **Cases/Panel discussions** (20 minutes)
Panel: Michael Day, MD, MPhil, Chris Looze, MD, Michael Hall, MD, Michael Ryan, MD, Michael Medvecky MD

9:10 am **Break** (15 minutes)

9:30 am **Spine Panel**
Topic: Traditional open vs Robotic Instrumentation of the spine through a case based approach
Moderator: Justin Paul, MD
Panel: Mark Eskenazi, MD, Chong Oh, M.D, David Kaye, M.D, Jonathan Oren, MD

10:00 am **Shoulder and Elbow**
Moderator: Ramesh Gidumal, MD

10:00 *Cannabidiol Significantly Improves Early Post-Operative Pain and Patient Satisfaction after Rotator Cuff Repair: A Placebo Controlled, Randomized, Double Blinded Multi-Centre Trial.* Michael J. Alaia, MD, Eoghan T. Hurley, MD, Danielle H. Markus, MD, Kinjal Vasavada, MD, Briana Britton, MD, Guillem Gonzalez-Lomas, MD, Andrew S. Rokito, MD, Laith M. Jazrawi, MD, Kevin Kaplan, MD

10:06 *Outcomes of Reverse Shoulder Arthroplasty Following Failed Superior Capsular Reconstruction.* Kevin Magone, MD, Yaniv Pines, MD, Dan Gordon, MD, Erel Ben-Ari, MD, Young W. Kwon, MD, PhD, Joseph D. Zuckerman, MD, Mandeep S. Virk, MD.

10:12 *Risk Factors for Peri-Prosthetic Joint Infections Following Primary Total Shoulder Arthroplasty for the Treatment of Glenohumeral Osteoarthritis.* Keith B. Diamond, MD, Ivan J. Golub, MD Samuel J. Swiggett, MD, Miriam D. Weisberg, MD Asad M. Ashraf, MD, Jack Choueka, MD

10:18 **Q and A** (8 minutes)

PROGRAM (continued)

10:26 am **Miscellaneous**
Moderator: Omri Ayalon, MD

- 10:26 *Trial to Assess Healthcare Delivery Systems in Orthopedic Surgery.* Kenneth A. Egol MD, Rown Parola MS, Taylor Wingo MD, Meghan Maseda BA, Christian Ong BS, Kristina Boguslawski BS, Ajit Deshmukh MD, Philipp Leucht MD, PhD
- 10:32 *Mask Use for Athletes: A Systematic Review of Safety and Performance Outcomes.* Arianna Lott, MD, Timothy Roberts MLS, MPH, Cordelia Carter, MD
- 10:38 **Q and A** (6 minutes)

10:45 am **Trauma**
Moderator: Toni McLaurin, MD

- 10:45 *Multifragmentary Pertrochanteric Fractures Treated with Intramedullary Fixation: Short Nails Noninferior to Long Nails.* Rown Parola, MD, Meghan Maseda, MD, Sanjit R. Konda, MD, Abhishek Ganta, MD, Kenneth A. Egol MD
- 10:52 *Ambulation on Hip Fracture Post-Operative Day 1: A Marker for Better Outcomes Following Surgery.* Nina Fisher, MD, Rown Parola, MD, Andrew S. Bi, MD, Sanjit R. Konda, MD, Kenneth A. Egol MD
- 10:58 **Q and A** (6 minutes)
- 11:05 **Cases/Panel discussion** (20 minutes)
Moderator: Toni McLaurin, MD
Panelists: Rich Yoon, MD, Mark Gage, MD, Charles Jordan, MD, Roy Sanders, MD

11:25 am **Victor H. Frankel Distinguished Alumni Speaker**
Introduction: Kenneth A. Egol, MD
Observations in Innovation Roy Sanders, MD

12:00 pm **Lunch**

1:00 pm **Spine**
Moderator: Charla Fischer, MD

- 1:00 *Lateral Decubitus Single Position Circumferential Fusion (ALIF & PSF) Improves Perioperative Outcomes Compared to Traditional Anterior-Posterior Fusion.* Kimberly Ashayeri MD, Carlos Leon BS, Seth Tigchelaar BA, Parastou Fatemi MD, Matt Follett MD, Ivan Cheng MD, J. Alex Thomas MD, Mark Medley MD, Brett Braly MD, Brian Kwon MD, Leon Eisen MD, Themistocles S Protosaltis MD, Aaron J. Buckland MBBS, FRACS
- 1:06 *Neurologic Complications after Adult Spinal Deformity Surgery.* Michael Dinizo, MD; Karnmanee Srisanguan, BS; Thomas Errico, MD; Tina Raman, MD.

1:12 *Perioperative Complications in Patients Who Have Sleep Apnea Undergoing Primary 1- to 2- Level Lumbar Fusion: An Analysis of 146,094 Patients.* Rushabh M. Vakharia, MD, Ivan J. Golub, MD, Keith B. Diamond, MD, Matthew L. Magruder, MD, Ahmed Saleh, MD, Afshin E. Razi, MD

1:20 **Q and A** (8 minutes)

1:30 **Cases/Panel discussion** (20 minutes)
Moderator - Stu Hershman, MD
Topic: Fusion versus tethering in Adolescent Idiopathic Scoliosis
Talk 1: Thomas Errico, MD (6 minutes)
Talks 2: Juan Carlos Rodriguez, MD (6 minutes)
Q and A - 8 minutes

1:50 pm **Joint Arthroplasty**
Moderator: James Slover, MD

1:50 *A Case Series Evaluating Modern Megaprosthetics for Limb Salvage in Non-Oncologic Patients.* Arpan Patel MS, Daniel Farivar BS, Omar Martini BS, Brett R. Levine MD

1:56 *What is the Effect of Indication for Revision THA or TKA on Patient Postoperative Outcomes?* Mackenzie A. Roof MD MBA, Ittai Shichman MD, Katherine A. Lygrisse MD, Vinay Agarwal MD, Matthew Hepinstall MD, Ran Schwarzkopf MD MSc

2:02 *Tourniquet Use Does Not Impact Outcomes in Revision Total Knee Arthroplasty for Periprosthetic Infections.* Vivek Singh MD, Joseph X. Robin MD, Chelsea Sue Sicut MS, Katherine A. Lygrisse MD, Joshua C. Rozell MD, Ran Schwarzkopf MD, MSc, Vinay K. Aggarwal MD

2:10 **Q and A** (8 minutes)

2:20 **Cases/Panel discussion** (20 minutes)
Panelists: Carlos Alvarado, MD, Michael Sobairaj, MD, PhD, Aldo Riesgo, MD, Brett Levine, MD

2:40 pm **Break** (10 minutes)

2:50 pm **Adult Reconstructive Surgery Debate** (30 Minutes)
Moderator: Ran Schwarzkopf, MD
Topic: Revision total knee replacement: Cement and hinge? Should we, or should we not?
Talk 1 - Aldo Riesgo, MD. - Do it!
Talk 2 - Carlos Alvarado, MD - Stay away!

PROGRAM (*continued*)**3:20 pm Pediatrics**

Moderator: Cordelia Carter, MD

3:20 *A biomechanical analysis of the surface contact pressure after an innominate osteotomy for the correction of acetabular dysplasia.* Emmanuel Gibon, MD, Mackenzie Roof, MD, Pablo Castañeda, MD

3:26 *One Year Radiographs are Not Necessary after Treatment of Developmental Dysplasia of the Hip.* Ajay Kanakamedala, MD, Neha Jejurikar, MD, Pablo Castaneda, MD

3:40 pm Break**3:50 pm Tumor**

Moderator: Timothy Rapp, MD, and Karim Masrouha, MD

3:50 *The Prognostic Significance of Lymphovascular Tumor Invasion in Localized High-Grade Osteosarcoma: Outcomes of a Single Institution over Ten Years.* Charles A. Gusho, B.S., Ira Miller, MD, Ph.D., Bishir Clayton, MD, Linus Lee, B.E., Matthew W. Colman, MD, Steven Gitelis, MD, Alan T. Blank MD, M.Sc.

3:56 *Percutaneous Stabilization of Pathologic Fractures of the Pelvis and Sacrum—A Novel Approach.* Daniel M. Lerman, MD, Sue Lynn Myhre, PhD, Anthony C. Brown, MD.

4:02 **Q and A** (6 minutes)

4:10 **Cases/Panel discussion** (20 minutes)

Panelists: Daniel Lerman, MD, Ilya Iofin, MD, Alan Blank, MD, Valarae Lewis, MD

4:25 pm Best Paper Award Presentation**4:30 pm Sir Robert Jones Lecture**

Mentorship and Sponsorship: Our Role in Fostering the Future of Orthopedic Surgery
Valarae O. Lewis, MD

5:30 pm Depart to Alumni Reunion

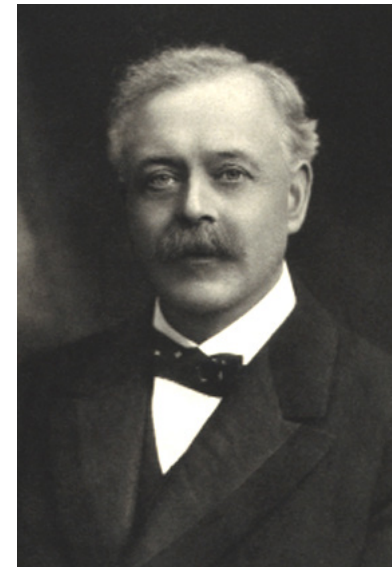
Apella, Alexandria

SIR ROBERT JONES: ORTHOPEDICS AS A SPECIALTY

Sir Robert Jones (1857-1933) made a profound and lasting impression on British and American orthopedic 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 Orthopedics in Great Britain during World War 1 (1914-1919). Born in Rhyl, 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 orthopedic

care for many decades after his death. Orthopedics 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 orthopedics 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 orthopedics.

The annual Sir Robert Jones Lecture was first delivered in 1930, at the then Hospital for Joint Diseases, 124th Street and Madison Avenue. The Lecture continues its tradition of excellence in orthopedics at the NYU Langone Orthopedic Hospital through the work of distinguished contemporary scholars and also honors the achievements of Sir Robert Jones.



SIR ROBERT JONES LECTURE
RECENT GUEST LECTURERS*

2021	VALERAE O. LEWIS
2020	MARC J. PHILIPPON
2019	PAUL TORNETTA III
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2017	KRISTY L. WEBER
2016	THOMAS P. SCULCO
2015	FREDDIE H. FU
2014	STEVEN D. GLASSMAN
2013	JOHN J. CALLAGHAN
2012	TODD J. ALBERT
2011	ROY SANDERS
2010	BERNARD R. BACH, JR.
2009	JOEL M. MATTA
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2007	DOUGLAS W. JACKSON
2006	JOSEPH P. IANNOTTI
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2004	THOMAS S. THORNHILL
2003	BERNARD F. MORREY
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2001	HENRY J. MANKIN
2000	JOHN A. BERGFELD
1999	STUART WEINSTEIN
1998	DAVID S. BRADFORD
1997	LARS PETERSON
1996	MARVIN TILE
1995	DAN M. SPENGLER

* lecture founded in 1930

GUEST SPEAKER
VALERAE O. LEWIS, MD



Valerae O. Lewis, MD, is a native New Yorker, raised in the Bronx. She attended Yale University, where she graduated with a degree in Psychobiology. She graduated from Harvard Medical School in 1993 with honors and completed her orthopedic training at the Harvard Combined Orthopedic Residency Program.

Since 2000, Dr. Lewis has been at The University of Texas MD Anderson Cancer Center in Houston where her achievements are numerous. She was named the Dr. John Murray Professor in Orthopedic Oncology in 2010. She was the first African-American woman to be awarded the MD Anderson Faculty Achievement Award in Patient Care (2012); first woman to chair an orthopedic department at a freestanding cancer center (2014); first woman to chair an orthopedic department in The University of Texas System (2014); and the first African-American woman to Chair an orthopedic surgery department.

She is currently the Professor and Chair of the Department of Orthopedic Oncology at the University of Texas MD Anderson Cancer Center in Houston. She is also the Associate Director of the Department of Thoracic/Orthopedic Center and Associate Director of the Sarcoma Center. In 2011, she started the Multidisciplinary Pelvic Sarcoma Program at MD Anderson Cancer Center that not only addresses the clinical needs of this unique group of patients but also works to improve both the clinical and functional outcome of patients with pelvic sarcoma.

ACCREDITATION STATEMENT

The NYU Grossman School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT

The NYU Grossman School of Medicine designates this live activity for a maximum of 4.5 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

PROVIDED BY

NYU Grossman School of Medicine

REGISTRATION INFORMATION

Please register at the following link:
<https://bit.ly/2XQb62b>

ACKNOWLEDGMENTS

We would like to thank our independent reviewers:

Randy Cohn, MD

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Brendan MacKay, MD

Theo Shybut, MD

Vinay Aggarwal, MD





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The 2021 Scientific Program
and **Sir Robert Jones Lecture**

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