Letter from the Chairman: William P. Urban, MD

It is my pleasure to welcome everyone to our Annual Alumni AAOS Reception. This newsletter became a platform to communicate with graduates of the Downstate Orthopaedic Surgery residency program, a group that exceeds 200 fine surgeons. Our objective is for you to stay involved with the academic activities of the program as we grow and continue our efforts to achieve excellence in orthopaedic care. Our graduates of 2019 have all matched into their top choices for fellowships, and I would like to take this opportunity to congratulate them. The department continues to grow as we have recently added new faculty to the Hand/Upper Extremity, Sports Medicine, Adult Reconstruction, and Orthopaedic Traumatology services. One of our posters (P0359) was selected as the Best Poster in the Spine classification at the 2019 AAOS Annual Meeting, the 3rd time in the past 5 years (AAOS 2015, Tumor; AAOS 2017, Hand/Wrist). Our research campaign continues its strong performance, as we have 26 studies accepted to AAOS 2019 as podium presentations (11), poster presentations (14), and a scientific exhibit (1)! Thank you for joining us again this year and welcome to the alumni reception.

Message from the Program Director: Carl B. Paulino, MD

I would like to welcome everyone to the Annual Alumni AAOS Reception at the The Venetian, Room 1002 on March 15, 2019 at 6:45 PM. This year, the program had a strong presence at AAOS with a growing body of research both in quality and quantity. The department continues to work closely with Downstate College of Medicine to educate and support medical students who are interested in orthopaedic surgery, and there have been more than 75 medical students over the past 2 years. This year alone, the Downstate Orthopaedic Research Laboratory accommodated 70+ Downstate Medical students, 20+ additional MD and undergrad students, and 5 high school students. We have continued our collaboration with institutions including NYU Langone Orthopedic Hospital/HJD, Hospital for Special Surgery, and Cleveland Clinic, as well as the International Spine Study Group (ISSG) to continue our research productivity. Our goal is to continue this trend and build on our foundation to advance research coming out of Downstate. In the last year, we received 2 AFSH grants, started building a gait and motion analysis registry with the use of our human performance laboratory, and designed and validated the Dubousset Functional Test, a novel functional assessment with tremendous potential; read about it soon in CORR. Finally, it is my pleasure to share with you that between the two Academies (AAOS 2018 and AAOS 2019), our research has been presented at more than 25 national and international meetings, with the total podium and poster presentations exceeding 145! See where our research has been presented:
This year’s Co-Presidents of the Brooklyn Orthopaedic Society (BOS), Aditya V. Maheshwari and Emmanuel M. Illical, have already led a successful campaign, with well-attended quarterly meetings and esteemed keynote speakers, such as Chitranjan S. Ranawat and Ivan S. Tarkin.
Orthopaedic Surgery Graduates: **2019**

- **Roby Abraham, MD**  
  Adult Reconstruction  
  Cleveland Clinic Florida  
  Weston, FL

- **Preston W. Grieco, MD**  
  Adult Reconstruction  
  Cleveland Clinic Florida  
  Weston, FL

- **Neel Pancholi, MD**  
  Sports Medicine  
  University of Texas at Houston  
  Houston, TX

- **Matthew A. Harb, MD**  
  Adult Reconstruction  
  University of Virginia  
  Charlottesville, VA

- **Robert Pivec, MD**  
  Adult Reconstruction  
  Rothman Institute  
  Philadelphia, PA

- **Sarah E. Walker, MD**  
  Pediatric Orthopaedics  
  Children’s Hospital of Los Angeles  
  Los Angeles, CA

The orthopaedic surgery program had another fantastic fellowship match!
AAOS 2018 to AAOS 2019: Another *Successful* Year of Research

**Best Poster in Spine**
Complications following Thoracolumbar Spinal Surgery for Adult Spinal Deformity in the Setting of Rheumatoid Arthritis with Minimum 2-Year Surveillance

**2nd Place, Best Poster**
Single Versus Multi-Staged Intramedullary Nailing For Synchronous Multiple Long Bone Involvement In Metastatic Bone Disease

**1st Place**
Eliminating Opioid Use for Postoperative Pain Management following Soft Tissue Surgery Produces Acceptable Outcomes When Performed Using Wide Awake Local Anesthesia No Tourniquet (WALANT)
Choueka D, Shah NV, Cautela FS, Newman JM, Koehler SM

**3rd Place**
Comparing Complications after Adult Spinal Deformity Surgery between patients Based on Opioid Dependency Pre- and Postoperatively

**Nominee & Top 5 Finalist, John H. Moe Award for Best Basic Science E-Poster**
ShouldDecision Making for Lower Instrumented Vertebra (LIV) Go Beyond Traditional Assessment of Adolescent Idiopathic Scoliosis (AIS) Classification? A Dynamic 3D Gait Assessment of AIS
Diebo BG, Varghese JJ, Shah NV, Kelly JJ, Assi A, Lafage V, Schwab FJ, Paulino CB

**Nominee & Top 5 Finalist, Hibbs Clinical Research Award**
The Use of Tranexamic Acid in Adult Spinal Deformity: Is There an Optimal Dosing Strategy?
Raman T, Zhou PL, Vasquez-Montes D, Moon J, Buckland AJ, Errico TJ

AAOS

MSTS
Drs. Newman, Abraham, and Oh were named winners of one of the journal’s prestigious honors in 2018, the **Blue Ribbon Article Award**. Their article was published in the September/October 2018 issue of ORTHOPEDICS:

**Cementless Total Knee Arthroplasty: A Comprehensive Review of the Literature**

Jared M. Newman, MD; Nipun Sodhi, BA; Anton Khlopas, MD; Assem A. Sultan, MD; Morad Chughtai, MD; Roby Abraham, MD; Jason Oh, MD; Robert M. Molloy, MD; Steven F. Harwin, MD, FACS; Michael A. Mont, MD

About *Orthopedics*: For over 40 years, *Orthopedics* has been the preferred choice of orthopaedic surgeons for clinically relevant information, offering clinically valuable, original articles covering all aspects of adult and pediatric orthopaedic surgery and treatment.
In the 2018-2019 academic year, here are some of our medical students’ achievements:
– More than 70 Downstate COM medical students are on the team, with over 85 overall medical students!
– Over 75 podiums & posters at recognized orthopaedic meetings!
– 6 first-author publications and 29 overall publications!
– Presented at Orthopaedic Meetings
  • **Eastern Orthopaedic Association (EOA) 2018, Amelia Island, Florida**
    – George A. Beyer, MS III
    – David Choueka, MS I
  • **Société Internationale de Chirurgie Orthopédique et de Traumatologie (SICOT) 39th Orthopaedic World Congress, Montréal, Canada**
    – Sarah G. Stroud, MS IV
    – Frank S. Cautela, MS IV

Congratulations to our outgoing senior medical students from the Class of 2019 for matching into the following Orthopaedic Surgery residency programs:

- James C. Messina
- Sarah G. Stroud
- Frank S. Cautela
- J. Patrick Connors
- Joseph P. Scollan
- Vidushan Nadarajah
This year, the program re-invigorated its dedication to hands-on education for junior residents, instituting the American Board of Orthopaedic Surgery (ABOS) Surgical Skills Modules during orientation for PGY-1 interns. This was a great opportunity for senior residents to guide junior and incoming residents through all 17 skills modules! Thank you to the sponsors for donating equipment & supplies, and a special thanks to our faculty and the current PGY-5 class for running these modules, and thank you to Dr. Newman (PGY-1) for helping coordinate and schedule the modules!

Sawbones Skills Lab
Residents practicing cephalomedullary nail technique, led by trauma attendings & senior residents

Traction Pinning Lab
Drs. Pivec (PGY5) and Hayden (PGY4) going over traction pinning techniques with the intern class

Casting Lab
Drs. Bloom and Dekis (PGY4) demonstrating their technique to Drs. Chatterjee (PGY3), Diebo (PGY2), and Day (PGY2)

Special thanks to:
- Dr. Robert Pivec for helping organize this year’s academic curriculum.
- Dr. Stanley Gordon for organizing and leading the Journal of Bone and Joint Surgery Journal Club, where the latest advancements and current techniques are discussed.

- Faculty, alumni, and staff from various departments for their contributions.

- Interested in coming back to give a Grand Rounds or Academic Lecture? Email: Yvonne.Henry@downstate.edu
Dr. Charles Ekstein is the latest orthopaedic surgeon to join our team. Dr. Ekstein is a fellowship-trained specialist in hand, upper extremity and microsurgery and joined in September 2018. He treats all types of upper extremity musculoskeletal diseases and injuries from the fingertips to the shoulder. A major focus of his practice is upper extremity trauma.

Dr. Ekstein completed his medical degree at Boston University and his orthopaedic surgery residency at Northwell Health – Long Island Jewish Medical Center. Following residency, he completed a fellowship in hand and upper extremity surgery at New York's Hospital for Special Surgery. He specializes in the evaluation and treatment of all conditions related to the fingers, hand, wrist, forearm, elbow, and shoulder. This includes sports- and work-related injuries, degenerative and rheumatoid arthritis conditions, nerve compression syndromes, and traumatic reconstruction. He cares for upper extremity issues in patients of all ages, and has multiple publications to his name. He was also the recipient of the Stanley E. Asnis MD Clinical Excellence Award.

Colin Y.L. Woon, MD

Dr. Colin Y.L. Woon joined our department in September 2018 as an Adult Reconstruction and Joint Replacement surgeon. Dr. Woon specializes in all aspects of adult reconstruction, including primary total hip and knee arthroplasty, revision and complex joint reconstructive procedures, fracture management, and periprosthetic joint complications. Dr. Woon arrives with a strong background in research, with his current efforts focused on novel solutions to common arthroplasty-related problems, arthroplasty complications, and orthopaedic implant and device development. He has over 45 peer-reviewed publications, countless orthopaedic meeting presentations, several musculoskeletal-related patents, and is a peer-reviewer for Journal of Arthroplasty and 8 more journals. He has multiple ongoing clinical and basic science research studies. Dr. Woon received his medical degree from the National University of Singapore, followed by his residency in orthopaedic surgery at the University of Illinois at Chicago. Following residency, he completed his fellowship in Adult Reconstruction and Joint Replacement at New York’s prestigious Hospital for Special Surgery.

Downstate Faculty in the News - Steven Koehler, MD

Dr. Koehler is now performing Wide Awake Local Anesthetic No Tourniquet (WALANT) procedures in the E-building. He is the only reconstructive microsurgeon in Brooklyn and one of the few brachial plexus surgeons in the Tri-State Area. He performs Targeted Muscle Reinnervation for amputees and is one of the few surgeons on the East Coast performing toe-to-hand transplantation.

“A new speedy, surgical hand surgery is being compared to a trip to the dentist.” At NYC Health+Hospitals/Kings County, Dr. Steven M. Koehler performs the procedure while the patient was wide awake.
SUNY Downstate is Leading the Way Towards Dynamic Functional Assessment

The Dubousset Functional Test (DFT), proposed by Dr. Jean Dubousset

Balance is an active process that requires harmony between posture and motion, and this is imperfectly represented by static radiographs alone. Our current understanding of how surgical deformity correction impacts functional mobility and daily activities of our patients is incomplete; it is only assessed through quality-of-life measures without a more objective and quantified tool. Building on our work in gait analysis, SUNY Downstate is the first center to establish normative reference data in asymptomatic subjects for a novel, multi-domain physical function and balance assessment, the Dubousset Functional Test (DFT). Demonstrating its feasibility and safety, this work was recently accepted to Clinical Orthopaedics and Related Research (CORR), and multi-center validation in a population of spine pathology patients is under way at SUNY Downstate, Hospital for Special Surgery, and Clinique Francheville in Périgueux.

Two Years, Two American Foundation for Surgery of the Hand (AFSH) Fast Track Grants

Karan Dua, MD (PGY3)
2017 Grant Recipient
A Pilot Study: Does Nerve Wrapping Prevent Neural Adhesions and Permit Nerve Gliding?
We sought to determine the efficacy of various anti-adhesive techniques via a peak force model to quantify nerve gliding and adhesion to surrounding tissue. The proposed project tests our hypothesis that nerve wraps decrease the adhesiveness of nerves to surrounding tissue through decreased contact and reduced fibroblast collagen formation after transection and repair.

Daniel M. Zuchelli, MD (PGY1)
2018 Grant Recipient
Does Compressive Neuropathy Lead to an Increase in Fracture Risk?
This study proposes to assess the effects of compressive neuropathy on bone. Using a rabbit sciatic nerve model, our research team will aim to examine the downstream macroscopic and microscopic changes in the bony architecture.
Downstate Orthopaedics is the **Primary Trial Site for a Novel Implant**

**Dr. Steven M. Koehler** is leading two studies that evaluate a new implant for distal humerus fracture fixation. **SUNY Downstate** was selected as the sole testing facility for the biomechanical validation/testing and will also serve as the lead site in a multi-center clinical trial in concert with **Duke University**, **Massachusetts General Hospital**, and the **Hellenic Airforce General Hospital** in **Athens, Greece**.

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**Developing the HAND-Q: SUNY Downstate One of a Few USA Phase II Sites**

**HAND-Q ©**

Field-Test Version

In the field of hand surgery, the aim of many surgical interventions is to improve the patient’s quality of life, therefore to establish the effectiveness of the interventions, the impact on the patient’s quality of life must be measured. A soon-to-be published systematic review recently revealed that there is currently no patient-reported outcome (PRO) instrument available that can be used for the majority of patients with a hand condition. This satisfies the best practices for development, as defined by the Medical Outcomes Trust and the US FDA.

Following Phase 1 development by Donald Lalonde and the University of Adelaide, **SUNY Downstate** is one of only a few sites in the United States, and among select institutions worldwide, to be enrolling patients into a Phase 2 Field Test of the HAND-Q, led by **Dr. Steven M. Koehler**.
Resident Social Events
Tuesday, March 12th

Pelvic Incidence Affects Age-Adjusted Alignment Outcomes in a Population of Adult Spinal Deformity
Passias, Bortz, Segreto, Horn, Diebo, Paulino, Ihejirika, Gerling, Errico
Paper 053: 8:54 AM, Room: 4303

Recovery Kinetics following Spinal Deformity Correction: A Comparison of Isolated Cervical, Thoracolumbar, and Combined Deformity Morphometries
Paper 056: 9:18 AM, Room: 4303

Comparing Predictors of Complications following Anterior Cervical Discectomy and Fusion (ACDF), Total Disc Replacement (TDR), and Combined ACDF-TDR with Minimum Two-Year Follow-Up
Shah, Jain, Moattari, Connors, Beyer, Kelly, Stroud, Newman, Hollem, Challier, Post, R. Lafage, Passias, Schwab, V. Lafage, Diebo, Paulino
Paper 230: 4:30 PM, Room: Palazzo Ballroom J

Wednesday, March 13th

Complication Risk in Primary and Revision Minimally Invasive Lumbar Interbody Fusion: A Comparable
Bortz, Horn, Segreto, Morton, Diebo, R. Lafage, V. Lafage, Gerling, Passias
Paper 329: 11:06 AM, Palazzo Ballroom J

Diminishing Clinical Returns of Multilevel Minimally Invasive Lumbar Interbody Fusion
Passias, Bortz, Horn, Segreto, Shenoy, Diebo, R. Lafage, Buckland, Gerling
Paper 336: 12:00 PM, Palazzo Ballroom J

A Comparison of Relative Value Units in Revision Hip versus Revision Knee Arthroplasty
Sodhi, Gold, Garbarino, Dalton, Mahmood, Newman, Sultan, Piuzzi, Mont
Paper 373: 3:06 PM, Room 4401

Pelvic Incidence Affects Age-Adjusted Alignment Outcomes in a Population of Adult Spinal Deformity
Passias, Bortz, Segreto, Horn, Diebo, Paulino, Ihejirika, Gerling, Errico
Paper 053: 8:54 AM, Room: 4303

Recovery Kinetics following Spinal Deformity Correction: A Comparison of Isolated Cervical, Thoracolumbar, and Combined Deformity Morphometries
Paper 056: 9:18 AM, Room: 4303

Comparing Predictors of Complications following Anterior Cervical Discectomy and Fusion (ACDF), Total Disc Replacement (TDR), and Combined ACDF-TDR with Minimum Two-Year Follow-Up
Shah, Jain, Moattari, Connors, Beyer, Kelly, Stroud, Newman, Hollem, Challier, Post, R. Lafage, Passias, Schwab, V. Lafage, Diebo, Paulino
Paper 230: 4:30 PM, Room: Palazzo Ballroom J
**Thursday, March 14th**

**Hospital-Acquired Conditions Occur More Frequently in Elective Spine Surgery than for other Common Elective Surgical Procedures**  
Passias, Horn, Segreto, Bortz, Shepard, Vira, Diebo, R. Lafage, V. Lafage  
**Paper 547: 8:48 AM, Room 4303**

**Changes in Health Related Quality of Life Measures Associated with Degree of Proximal Junctional Kyphosis**  
**Paper 619: 1:30 PM, Palazzo Ballroom J**

**Reciprocal Changes of Mild and Severe Cases of Proximal Junctional Kyphosis After Lumbo-pelvic Spinal Fusions**  
**Paper 628: 2:42 PM, Palazzo Ballroom J**

**Is Frailty responsive to Surgical Correction of Adult Spinal Deformity? An Investigation of Sagittal Re-alignment and Component Drivers of Postoperative Frailty Status**  
**Paper 633: 3:18 PM, Palazzo Ballroom J**

**Friday, March 15th**

**Complications following Thoracolumbar Spinal Surgery for Adult Spinal Deformity in the Setting of Rheumatoid Arthritis with Minimum 2-Year Surveillance**  
Beyer, Shah, Scollan, Hollemn, Bloom, Passias, V. Lafage, Diebo, Paulino  
**Best Poster, Spine Category: 7:00 AM, Academy Hall, Venetian Ballroom**

**Can Aspirin be Safely Used as a Venous Thromboembolism (VTE) Prophylaxis in Sickle Cell Patients Who Undergo Total Hip and Knee Arthroplasties?**  
Newman, Chee, Barnett, Shah, Grieco, Harb, Murtaugh, Rathod, Maheshwari  
**Paper 701: 8:54 AM, Palazzo Ballroom J**
AAOS Poster Session I: Tue-Wed

Operative Time, Length of Stay, Short-Term Readmission, and Complications after Hinged Primary Total Knee Arthroplasty: A Propensity Score Matched Analysis
Sodhi, George, Anis, Sultan, Newman, Khlopas, Moskal, Higuera, Mont
P 0077

Characterizing the Preoperative Profile and Short-Term Outcomes of Pediatric Patients Undergoing Surgical Correction for Congenital Hand Disorders: A Pediatric National Analysis from 2012-2016
Shah, Connors, Coste, Parmar, White, Newman, Davidson, Koehler
P 0180

Complications following Thoracolumbar Spinal Surgery for Adult Spinal Deformity in the Setting of Rheumatoid Arthritis with Minimum 2-Year Surveillance
Beyer, Shah, Scollan, Hollern, Bloom, Passias, Diebo, Paulino, Lafage

Best Poster, Spine Category: Fri 7:00 AM, Academy Hall, Venetian Ballroom
P 0359

Quantitative Age-Adjusted Targets for Ideal Cervicothoracic Sagittal Alignment in Asymptomatic Adults
Passias, Bortz, Vasquez-Montes, Segreto, Horn, Moses, Paulino, Diebo, Errico

Poster Tour: Wed 3/13, 8:30 to 9:30 AM
P 0378

Malnutrition Increases the 30-Day Postoperative Complications after Proximal Humerus Fracture Surgical Fixation
Newman, Cautela, Coste, Beyer, Khlopas, Kurowicki, Hayden, Pivec, Ilicical
P 0499

AAOS Poster Session II: Thu-Sat

Simultaneous Bilateral versus Unilateral Total Knee Arthroplasty: An Analysis of the American College of Surgeons National Surgical Quality Improvement Program from 2008 to 2016
Newman, Grieco, Abraham, Naziri, Sodhi, Desai, Maheshwari, Higuera, Mont
P 0611

Increased Knee Range of Motion and Postoperative Function with Metal-on-Polyethylene Relative to All-Cement Molded Articulating Spacers
George, Gwam, Etcheson, Mohamed, Castrodad, Tarazi, Mistry, Nace, Delanois
P 0644

Malnutrition Increases the Thirty-Day Postoperative Complications after Distal Radius Fracture Surgical Fixation
Yang, Newman, Cautela, Chee, Coste, Khlopas, Shah, Dua, Koehler
P 0685

Results of Total Femoral Replacement in Primary vs. Revision Reconstruction; A Multicenter Study Investigating Survivorship, Clinical Outcomes, and Complications
Sultan, Yakoub, Newman, Piuzzi, Samuel, Krebs, Molloy, Malkani, Buttar, Delanois, Boland, Healey, Mont
P 0705

Predictive Patient Factors for Developing Postoperative Dysphagia following Anterior Cervical Discectomy and Fusion
P 0862
AAOS Poster Session II: Thu-Sat

Is Chronic Kidney Disease Associated with Postoperative Complications after Spinal Fusion Surgery?  
Beyer, Weng, Shah, Newman, Cautela, Bustamante, Hariri, Pascal, Lafage, Schwab, Lafage, Diebo, Paulino  
P 0863

The Impact of Preoperative Cannabis Use on Outcomes Following Cervical Spinal Fusion: A Propensity Score-Matched Analysis  
Shah, Moattari, Lavian, Beyer, Passias, Lafage, Kim, Paulino, Schwab, Diebo, Lafage  
P 0869

Comparing Short-Term Complications Between Anterior Cervical Discectomy and Fusion and Cervical Total Disc Replacement: A National Analysis from 2011 to 2016  
Shah, Connors, Coste, Murray, Newman, Naziri, Chughtai, Hollern, Passias, Diebo, Paulino  
P 0881

Traumatic Cervical Spinal Cord Injuries with Fracture: An Investigation of Early Versus Delayed Surgery among 6,636 Propensity-Matched Patients  
Segreto, Bortz, Horn, Baker, Kuprys, Gotlin, Diebo, Paulino, Passias  
P 0999

AAOS Scientific Exhibit

“Is there a Doctor Onboard?” The Plight of the In-Flight Orthopaedic Surgeon  
Scollan, Lee, Shah, Naziri  
SE 39
Peer-Reviewed Publications in 2018-2019

2019 to Present

The Dubousset Functional Test: A Baseline Analysis of a Novel, Multi-Domain Assessment of Physical Function and Balance.
Clin Orthop Relat Res
Accepted, In Production

Elbow Flexion Reanimation.
Shah NV, Kelly JJ, Patel AM, White CM, Hausman MR, Koehler SM.
JBJS Rev
Accepted, In Production

J Am Acad Orthop Surg
Accepted, In Production

"Is there a Doctor Onboard?" The Plight of the In-Flight Orthopaedic Surgeon.
JBJS Rev
Accepted, In Production

Spine Deform
Accepted, In Production

Newman JM, Sodhi N, Dekis JC, Khlopas A, Piuzzi NS, Sultan AA, Levin JM, Mont MA.
PMID: 30736055

Septic Arthritis of the Hip and Knee in Pediatric Patients: Analysis of the Kids’ Inpatient Database.
PMID: 30655655

Pre-operative planning and rod customization may optimize post-operative alignment and mitigate development of malalignment in multi-segment posterior cervical decompression and fusion patients.
Passias PG, Horn SR, Jalai CM, Poorman GW, Steinmetz L, Segreto FA, Bortz CA, Diebo BG, Lafage V.
PMID: 30279119

PMID: 30587300

Day of Admission is Associated With Variation in Geriatric Hip Fracture Care.
Boylan MR, Riesgo AM, Paulino CB, Tejwani NC.
PMID: 30247307

Impact of presenting patient characteristics on surgical complications and morbidity in early onset scoliosis.
PMID: 30635164

PMID: 30391609
2019 to Present

Cervical spine alignment following surgery for adolescent idiopathic scoliosis (AIS): a pre-to-post analysis of 81 patients.
PMID: 30646880

PMID: 30660229

Use of Gabapentin in Posterior Spinal Fusion is Associated With Decreased Postoperative Pain and Opioid Use in Children and Adolescents.
PMID: 30688677

Traumatic Fracture of the Pediatric Cervical Spine: Etiology, Epidemiology, Concurrent Injuries, and an Analysis of Perioperative Outcomes Using the Kids' Inpatient Database.
PMID: 30805288

Impact of Obesity on Radiographic Alignment and Short-term complications after Surgical Treatment of Adult Cervical Deformity.
World Neurosurg. 2019 Feb 18. pii: S1878-8750(19)30364-X.
PMID: 30790725

2018

From Static Spinal Alignment to Dynamic Body Balance: Utilizing Motion Analysis in Spinal Deformity Surgery.
PMID: 29994800

Realignment surgery in adult spinal deformity: Prevalence and risk factors for proximal junctional kyphosis.
Diebo BG, Shah NV, Stroud SG, Paulino CB, Schwab FJ, Lafage V.
PMID: 29445843

Treatment of Adolescent Idiopathic Scoliosis and Evaluation of the Adolescent Patient.
Kelly JJ, Shah NV, Freetly TJ, Dekis JC, Hariri OK, Walker SE, Borrelli J, Post NH, Diebo BG, Urban WP, Paulino CB.
doi: 10.1097/BCO.0000000000000675.

Adult Cervical Deformity: Radiographic and Osteotomy Classifications.
PMID: 29881915

Motion Analysis in the Axial Plane after Realignment Surgery for Adolescent Idiopathic Scoliosis.
PMID: 30195821

Complications in Patients Undergoing Spinal Fusion Surgery After THA.
PMID: 29389793
Demographics and Rates of Surgical Arthroscopy and Postoperative Rehabilitative Preferences of Arthroscopists from the Arthroscopy Association of North America (AANA).
PMID: 29881200

The Impact of Comorbid Mental Health Disorders on Complications Following Adult Spinal Deformity Surgery with Minimum 2-Year Surveillance.
PMID: 29419714

The Impact of Comorbid Mental Health Disorders on Complications Following Cervical Spine Surgery with Minimum 2-Year Surveillance.
PMID: 29579013

PMID: 29847415

Bilateral painful foot masses. Bilateral hypertrophy of extensor digitorum brevis (EDB).
Shah NV, Ahmed N, Baghel P, Kolla SR, Maheshwari AV.
PMID: 29717328

The Risks of Hepatitis C in Association with Cervical Spinal Surgery: Analysis of Radiculopathy and Myelopathy Patients.
Lavian JD, Murray DP, Hollern DA, Bloom L, Shah NV, Gewolb D, Segreto FA, Powell S, Messina J, Naziri Q, Yoshihara H, Paulino CB, Diebo BG.
PMID: 29293101

PMID: 29556113

Noncontact sports participation in adolescent idiopathic scoliosis: effects on parent-reported and patient-reported outcomes.
PMID: 30489444

Maheshwari AV, Shah NV, Newman JM, Freitly TJ, Henshaw RM.
PMID: 30317958

Trends of Snowboarding-Related Fractures that Presented to Emergency Departments in the United States, 2010 to 2016.
PMID: 30023363

Biologic Therapies as Adjunctive Treatments in Rotator Cuff Repair.
Mistry J, Henn RF, Etcheson JI, Gwam CU, George NE, Delanois RE.
JBJS Rev. 2018 Jul 5.
PMID: 29979232
2018

Blood conservation techniques in scoliosis surgery.

Intrasubstance Anterior Cruciate Ligament Injuries in the Pediatric Population.

The Influence of BMI on Achieving Age Adjusted Alignment Goals in Adult Spinal Deformity Corrective Surgery with Full Body Analysis at 1 Year.

The Safety and Benefits of the Semisterile Technique for Closed Reduction and Percutaneous Pinning of Pediatric Upper Extremity Fractures.

Value proposition of robotic total knee arthroplasty: what can robotic technology deliver in 2018 and beyond?

Bilateral Spontaneous Quadriceps Tendon Ruptures after Staged Bilateral Total Knee Arthroplasties: A Case Report.

[Normal sagittal profile of the cervical spine - must the cervical spine always be lordotic?]

A Comparison of Relative Value Units in Primary Versus Revision Total Knee Arthroplasty.

A Systematic Review and Meta-Analysis of Procalcitonin as a Marker of Postoperative Orthopedic Infections.

A Systematic Review of All Smart Phone Applications Specifically Aimed for Use As a Scoliosis Screening Tool.


After 9 Years of 3-Column Osteotomies, Are We Doing Better? Performance Curve Analysis of 573 Surgeries With 2-Year Follow-up.

Anatomical Modifications during the Lateral Transpsoas Approach to the Lumbar Spine. The Impact of Vertebral Rotation.

2018

Changes in Antibiotic Susceptibility of Staphylococcus aureus between the Stages of Two Stage Revision Arthroplasty.
PMID: 29502963

Characterizing Adult Cervical Deformity and Disability Based on Existing Cervical and Adult Deformity Classification Schemes at Presentation and Following Correction.
PMID: 28575457

Clinically Significant Thromboembolic Disease in Adult Spinal Deformity Surgery: Incidence and Risk Factors in 737 Patients.
PMID: 29796369

Cluster analysis describes constellations of cardiac anomalies presenting in spinal anomaly patients.
PMID: 29956035

Combined Labeled Leukocyte and Technetium 99 Sulfur Colloid Bone Marrow Imaging: Differentiating Primary Pyomyositis Pseudotumor from Osteomyelitis and Multiple Bone Infarcts.
Perdue PW, Spitzer AB, Chatterjee D, Kolla S, Maheshwari AV.
PMID: 29772988

Developments in the treatment of Chiari type 1 malformations over the past decade.
PMID: 29732422

Differences in primary and revision deformity surgeries: following 1,063 primary thoracolumbar adult spinal deformity fusions over time.
PMID: 30069508

Full-Body Analysis of Adult Spinal Deformity Patients’ Age-Adjusted Alignment at 1 Year.
World Neurosurg. 2018 Jun;114:e775-e784.
PMID: 29555609

Guiding Device for the Patellar Cut in Total Knee Arthroplasty: Design and Validation.
PMID: 29747465

Hematologic Malignancies Are Associated with Adverse Perioperative Outcomes following Total Knee Arthroplasty.
Newman JM, Wagner TC, Naziri Q, North WT, Navale SM, Klika AK, Barsoum WK, Higuera CA.
PMID: 28561155

Impact of Intravenous Acetaminophen on Lengths of Stay and Discharge Status after Total Knee Arthroplasty.
PMID: 29514362

Improvement in Sleep Quality After Carpal Tunnel Release.
Trouw AG, Patel A, Yang A, Jauregui J, Caligiuri D, Choueka J.
PMID: 29772994

Limb Salvage Versus Amputation in Conventional Appendicular Osteosarcoma: a Systematic Review.
Jauregui JJ, Nadarajah V, Munn J, Pivcic R, Kapadia BH, Lerman DM, Maheshwari AV.
PMID: 29887707
2018

Lumbosacral stress and age may contribute to increased pelvic incidence: an analysis of 1625 adults.
PMD: 29027007

Mortality Following Periprosthetic Proximal Femoral Fractures Versus Native Hip Fractures.
Boylan MR, Riesgo AM, Paulino CB, Slover JD, Zuckerman JD, Egol KA.
PMD: 29613927

Epidemiology and Trends of Weightlifting-Related Sprains and Strains that Presented to Emergency Departments in the United States.
PMD: 30317960

Outcomes of Revision Joint Arthroplasty Due to Metal Allergy and Hypersensitivity: A Systematic Review.
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Interpretation of Spinal Radiographic Parameters in Patients With Transitional Lumbosacral Vertebrae.
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Alcoholism as a predictor for pseudarthrosis in primary spine fusion: An analysis of risk factors and 30-day outcomes for 52,402 patients from 2005 to 2013.
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Clinical Impact and Economic Burden of Hospital-Acquired Conditions Following Common Surgical Procedures.
University Orthopaedic Associates
New Clinic Location

The UOA new clinic on Parkside Avenue opened in the Summer of 2017 as the new Orthopaedic Surgery and Rehabilitation Medicine clinic site.

Welcome to the Department, Peter Chen

Department News:

Mr. Peter Chen is the new Administrator of the Orthopaedic Surgery Division. He moved to the SUNY Downstate Medical Center Department of Orthopaedic Surgery from the Surgical Oncology Division at the Rutgers Cancer Institute of New Jersey, where he served as the Director of Administration.

Alumni Reception at AAOS 2019

Save the Date March 15, 2019
6:45 to 10:00 PM

The Venetian
Room 1002
3355 Las Vegas Boulevard South
Las Vegas, NV 89109

Fundraising and Community Outreach

The Stanley Gordon, MD, Library and Resident Education Fund
Residents and Fellows Alumni Society

Affiliated Hospitals

NYU Langone Hospital Brooklyn
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Veterans’ Administration NY Harbor Health Care System - Brooklyn
Brookdale University Hospital and Medical Center
Northwell Health - Staten Island University Hospital