Chairman’s Message

It is my pleasure to welcome everyone to our Annual Alumni Academy Reception. This newsletter became a platform to communicate with graduates of the Downstate Orthopaedics 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 2017 have all matched into their top choices for fellowships and I would like to take this opportunity to congratulate them. It is also my pleasure to announce the launch of Downstate Orthopaedics Non-Operative Sports Medicine Fellowship. Our department continues to grow as we have recently added new faculty to the Hand and Orthopaedic Traumatology services. Our research campaign continues to succeed as we have 15 studies accepted to The Academy this year as podiums, posters and scientific exhibit. One of our posters (P226) has been selected by the AAOS Central Program Committee as the Best Poster in the Hand and Wrist classification at the 2017 AAOS Annual Meeting. This is the second time in the past three years our research has won the best poster award (Dr. Maheshwari, Best Tumor Poster, AAOS 2015). Thank you for joining us again this year and welcome to the alumni reception.

Program Director

I would like to welcome everyone to the annual alumni reception. This year, the program has a strong presence the academy with a growing body of research both in quality and quantity. Our new focus was to expand collaborative research with local, national and international institutions. In Brooklyn, the department continues to work closely with Downstate College of Medicine to educate and support medical students who are interested in orthopaedic surgery. This year alone, The Downstate Orthopaedic Research Laboratory accommodated 25+ Downstate Medical students and 15+ additional MDs and college students. In a collaborative work with NYU Hospital for Joint Diseases and Hospital for Special Surgery, Downstate Orthopaedic Research fellow Dr. Bassel Diebo was a major contributor to the Medtronic Grant awarded by the Cervical Spine Research Society (CSRS) for the project entitled “Does Psychological Distress Impact the Clinical Outcomes in Patients Undergoing Cervical Spine Surgery, and Should We Intervene? A Prospective, Blind and Placebo-Controlled Trial”. Internationally, we continue to work closely with engineers from Laboratory of Biomechanics at University of Saint-Joseph, Lebanon to execute our ongoing research efforts on Motion Analysis before and after scoliosis surgery supported by SRS grant. Finally, it is my pleasure to share with you that between the two academies (AAOS 2016 and AAOS 2017), our research was presented at more than 10 national and international meetings, with thenumber of podiums and posters presentations exceeding 100. The following is where most of Downstate research was presented in the past academic year:
Supervised by Dr. Urban (Chairman) and Dr. Illical (Director, Orthopaedic Trauma), our residents led by Dr. Mulchandani (PGY5) and Dr. Trouw (PGY5) were able to achieve the Award for Best Poster in the Hand and Wrist Category.

The novel study revealed that for close reduced distal radius fractures, radiographic analysis at the time of union showed regression toward initial injury. These findings call into question the radiographic outcomes at the immediate, post-reduction phase of non-operative treatment.
Orthopaedic Graduates: 2017

Robert Borzio, MD
Joint Recon Fellowship
NYU Hospital for Joint Diseases, NY

Sergei Pushilin, MD
Trauma Fellowship
University of Pittsburgh Medical Center, PA

Colin Copper, MD
Trauma Fellowship
University of Kentucky Hospital, KY

Allison Spitzer, MD
Pediatrics Fellowship
Scottish Rite Hospital for Children, GA

Neil Mulchandani, MD
Sports Medicine Fellowship
Lenox Hill Hospital, NY

Arie Trouw, MD
Upper Extremity Fellowship
UConn Health, CT

The orthopaedic program had another fantastic fellowship match with all the chiefs matching at their top choice at top tier fellowship programs.

Welcome to a New Faculty Member

Dr. Niladri Basu joined our hospital in October of 2016. He was born in Manhattan and raised in Queens where he attended Stuyvesant High School. He continued his education at Stony Brook University where he studied Anthropology, Biology and Biomedical Engineering. After college, Niladri Basu worked for several years as a project manager and preformulation scientist. He decided to pursue a career in medicine, and graduated medical school from SUNY Upstate where he was elected into Alpha Omega Alpha Honor Society. Niladri then completed his orthopaedic surgery residency at SUNY Downstate Medical Center and performed the majority of training at Kings County Hospital. He then went on to complete a trauma fellowship at Virginia Commonwealth University, and was selected for an AO/ASIF Trauma fellowship which he completed in November of 2016. He is pleased to return to Kings County Hospital where he is dedicated to the care of complex polytrauma patients. Outside of work, Niladri has pursued his hobbies of auto mechanics and weightlifting.
EXCELLENCE IN ORTHOPAEDIC EDUCATION

Brooklyn Orthopaedic Society Highlights

At the beginning of this academic year, Dr. Carl Paulino was named as the president of Brooklyn Orthopaedic Society (BOS), Dr. Emmanuel Illical is the Secretary and Dr. Bassel Diebo was assigned as Liaison of the society. BOS has four traditional meetings each year and two of them already took place in December and February. The following are the dates and distinguished speakers for this extremely successful BOS’ year:

**December 1st, 2016**  
**Frank J. Schwab, MD**  
Chief of Spine Service  
Hospital for Special Surgery, New York

**February 16th, 2017**  
**Pablo Castaneda, MD**  
Chief of Pediatric Orthopaedics  
NYU Hospital for Joints Diseases, New York

**April 27th, 2017**  
**Mark Myerson, MD**  
Former Director of Foot and Ankle Service  
Mercy Medical Center, Maryland

**July, 2017 Tentative commitment**  
**Michael A. Mont, MD**  
Chairman of Orthopaedics  
Cleveland Clinic, Cleveland

Residents’ Didactics: Labs, Academic Lectures, and Journal Clubs

- **Spine Cadaver Lab**: Dr. Carl Paulino is teaching the residents most recent spinal deformity techniques.
- **Dissection Cadaver Lab**: Supervised by a Chief Resident: Dr. Pancholi (PGY3) is preparing the surgical approach for the academics.
- **Wound Closure Lab**: Drs. Pivec (PGY3), Abraham (PGY3), Pancholi (PGY3), Bloom (PGY2), Hayden (PGY2) and Yang (PGY2).

Special thanks to:

- **Dr. Scott Barbash** and **Dr. Danielle Casagrande** for this year’s academic curriculum with their vision and organization.
- **Dr. Stanley Gordon** for organizing and leading the Journal Club by discussing current techniques and future advancements.
- **Faculty, alumni, and staff** from various Departments for their contribution. Interested in coming back to give a lecture?  
  Email: Kino.Williams@downstate.edu or Scott.Barbash@Downstate.edu
Human Performance Lab at Downstate ORTHOPAEDICS

Downstate ORTHOPAEDICS house several laboratories vital to advancing musculoskeletal research. The Human Performance Laboratory, also known as The Gait Lab, is directed by Dr. Ellen Godwin with substantial assistance of Westley Hayes, MS. The gait lab allows for three dimensional force and motion analysis of patients with different neuromuscular or musculoskeletal disorders. Currently, several ongoing clinical studies utilize the gait lab, including one that evaluates the impact of scoliosis surgery on patients’ walking patterns; directed by Dr. Carl Paulino, Chief of Spine Service.

In the media:

Orthopedic This Week (OTW), the most widely read publication in orthopaedic industry, recently featured The Gait Lab and ongoing projects at Downstate Orthopaedics. OTW interviewed Dr. Bassel Diebo, our research fellow who briefed the Journal on the concepts and evidence based data coming out of The Gait Lab research.

In AAOS 2017:

The Gait Lab continues to produce high quality research that has been presented at numerous scientific meeting. This year, the gait study on AIS patients is a podium presentation and a scientific exhibit at AAOS 2017. They will be presented by Drs. Diebo, and Robert Pivec (PGY3), respectively.

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Is Orthopaedic Department Teaching Status Associated with Adverse Outcomes of Primary Total Knee Arthroplasty?
Perfetti, Boylan, Naziri, Elmallah, Maheshwari, Paulino, Mont
Paper # 587 (Thurs 1:36 PM) Room 6A

Does Depression Affect Outcomes Following Primary Total Knee Arthroplasty?
Bonutti, Elmallah, Issa, Kapadia, Mont, Naziri, Pierce, Pivec, Vashist
Paper # 144 (Tues 2:30PM) Room 29

The Mortality of Periprosthetic Hip Fracture
Boylan, Riesgo, Paulino, Slover, Egol, Zuckerman
Paper # 165 (Tues 3:18PM) Room 6B

Is Orthopaedic Department Teaching Status Associated with Adverse Outcomes of Primary Total Knee Arthroplasty?
Boylan, Perfetti, Naziri, Maheshwari, Paulino, Mont
Paper # 227 (Wed 8:06AM) Room 6A

Is Day of Surgery Associated with Adverse Clinical and Economic Outcomes Following Primary Total Knee Arthroplasty?
Boylan, Perfetti, Naziri, Maheshwari, Paulino, Mont
Paper # 229 (Wed 8:24AM) Room 6A

Atrial Septal Defect Increases the Risk of Postoperative Stroke Following Total Hip Arthroplasty
Perfetti, Chughtai, Boylan, Mistry, Elmallah, Naziri, Paulino, Maheshwari, Mont
Paper # 407 (Wed 4:06 PM) Room 6D

Is Day of Admission Associated with Variation in Geriatric Hip Fracture Care?
Boylan, Riesgo, Perfetti, Paulino
Paper # 544 (Thurs 10:54AM ) Room 5

Does Depression Affect Outcomes Following Primary Total Knee Arthroplasty?
Bonutti, Elmallah, Issa, Kapadia, Mont, Naziri, Pierce, Pivec, Vashist
Paper # 144 (Tues 2:30PM) Room 29

Treatment of the Non–united Scaphoid: A Meta-analysis of the Last 20 Years
Jauregui, Seger, Shasti, Hayden, Stracher, Abzug
Paper # 110 (Tues 11:00 AM) Room 5

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Utilizing Motion Analysis to Assess Function Following Surgical Correction of Adolescent Idiopathic Scoliosis
Pivec R, Patel A, Godwin E, Paulino C

Motion analysis may represent a new direction for assessing outcomes of AIS surgery and may be of great value for reporting more relevant detail on functional outcomes than with radiographs alone.

The Mortality of Periprosthetic Infection
Boylan, Iorio, Paulino, Riesgo, Schwarzkopf
Poster No. P056

Best Poster in the Hand and Wrist Category
A Radiographic Analysis of Closed Reduced Distal Radius Fractures at the Time of Union
Mulchandani, Trouw, Eldib, Ganning, Chatterjee, Kapadia, Illical, Urban
Poster No. P226
2017

Role of Ethnicity in Alignment Compensation: Propensity Matched Analysis of Differential Compensatory Mechanism Recruitment Patterns for Sagittal Malalignment in 288 ASD Patients From Japan, Korea, and United States.

Novel Index to Quantify the Risk of Surgery in the Setting of Adult Spinal Deformity: A Study on 10,912 Patients From the Nationwide Inpatient Sample.

Venous Thromboembolic Disease in Revision vs Primary Total Knee Arthroplasty.

A biomechanical analysis of tibial ACL reconstruction with graft length mismatch.

2016

Prostaglandin E1 Treatment for Lumbar Spinal Canal Stenosis: Review of the Literature.
Yoshihara H. Pain Pract. 2016 Feb;16(2):245-56 PMID: 26482683

Down Syndrome Increases the Risk of Short-Term Complications After Total Hip Arthroplasty.

Does Chronic Corticosteroid Use Increase Risks of Readmission, Thromboembolism, and Revision After THA?

Revision Surgery for "Real" Recurrent Lumbar Disk Herniation: A Systematic Review.

Strength of Syndesmosis Fixation: Two TightRope versus One TightRope with Plate-and-Screw Constructs.

Does Preadmission Cutaneous Chlorhexidine Preparation Reduce Surgical Site Infections After Total Knee Arthroplasty?
Kapadia BH, Zhou PL, Jauregui JJ, Mont MA. Clin Orthop Relat Res. 2016 Jul 7. PMID: 26956247

Does Hemophilia Increase the Risk of Postoperative Blood Transfusion After Lower Extremity Total Joint Arthroplasty?
Kapadia BH, Boylan MR, Elmallah RK, Krebs VE, Paulino CB, Mont MA. J Arthroplasty. 2016 Jul 7 PMID: 26869059

Spine Injuries in Child Abuse.

Total Shoulder Arthroplasty Demographics, Incidence, and Complications—A Nationwide Inpatient Sample Database Study.

Prosthetic hip infection with Edwardsiella tarda in sickle cell beta thalassemia disease: A case report.

Progression of bisphosphonate-associated impending atypical femoral fracture despite prophylactic cephalomedullary nailing: A case report and review of literature.

National trends and in-hospital outcomes in patients with rheumatoid arthritis undergoing elective atlantoaxial spinal fusion surgery.

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Progression of bisphosphonate-associated impending atypical femoral fracture despite prophylactic cephalomedullary nailing: A case report and review of literature.

National trends and in-hospital outcomes in patients with rheumatoid arthritis undergoing elective atlantoaxial spinal fusion surgery.

Prosthetic Dislocation and Revision After Primary Total Hip Arthroplasty in Lumbar Fusion Patients: A Propensity Score Matched-Pair Analysis.

Relationship Between Ulnar Variance, Cortical Bone Density, and Load to Failure in the Distal Radius at the Typical Site of Fracture Initiation.
Casagrande DJ, Morris RP, Carayannopoulos NL, Buford WL. J Hand Surg Am. 2016 Dec 4. PMID: 27707565

Does the saline load test still have a role in the orthopaedic world? A systematic review of the literature.
Welcome the New Residency Coordinator

We are pleased to announce the addition of Yvonne Henry to the staff of the Department of Orthopaedic Surgery and Rehabilitation Medicine. Yvonne started with the institution on November 3, 2016 as the Residency Coordinator of the Orthopaedic Surgery Residency Program. Yvonne comes to us with a strong background in graduate medical education with over 10 years of experience as a Housestaff Coordinator at Brookdale Hospital and Medical Center's office of Graduate Medical Education. She is a graduate of NYC Technical College and is a licensed notary public.

Downstate Orthopaedics launches Non-Operative Sports Medicine Fellowship

At our Division of Sports Medicine, excellence in Orthopaedic Surgery does not preclude us from optimizing non-operative care. Today, Downstate ORTHOPAEDICS offers a multi-disciplinary fellowship that provides a great opportunity for two physicians trained in a variety of primary specialities to obtain fellowships in sports medicine.

Alumni Reception at AAOS 2017

Save the Date - Friday March 17, 2017
Time: 7:00 - 11:00 PM
Embassy Suites, The Monterey Ballroom, 601 Pacific Highway, San Diego, CA, 92101

Fundraising and Community Outreach

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

Affiliated Hospitals

NYU Lutheran Medical Center
Kings County Hospital Center
Brookdale University Hospital
Veterans' Administration Harborview Medical Center
Staten Island University Hospital