

Jersey City Medical Center

Orthopaedic Surgery Residency Program

Clinical Experience



1

Our residents are afforded extensive hands-on experience early in their training, from managing consults in the emergency department to assisting in the operating room, and following the patient's recovery from the Orthopaedic Institute to our resident clinic

Scholarly Research



2

Residents are actively involved in scholarly research with faculty who are well published and have access to multicenter libraries and patient databases, allowing ample opportunity for publications, presentations, and posters

Orthopaedic Education



3

Resident education is a multifaceted curriculum consisting of three weekly conferences reviewing indications, fractures, and case studies in conjunction with two didactic components, one resident-directed and one attending-directed



Our Mission

To train outstanding Orthopaedic Surgeons who are committed to excellence in Orthopaedics and embody a compassion for the community and a dedication for the advancement of medical education

Clinical Experience

Rotations

PGY1

6 months Orthopaedic Surgery
2 months Trauma Surgery / Critical Care
1 month Family Medicine
1 month Internal Medicine
1 month Intensive Care Unit
1 month Emergency Medicine

PGY2

4-5 months Jersey City Medical Center
3 months JCMC Out-patient Surgery
3 months St. Barnabas Medical Center
1-2 months Hackensack University Medical Center

PGY3

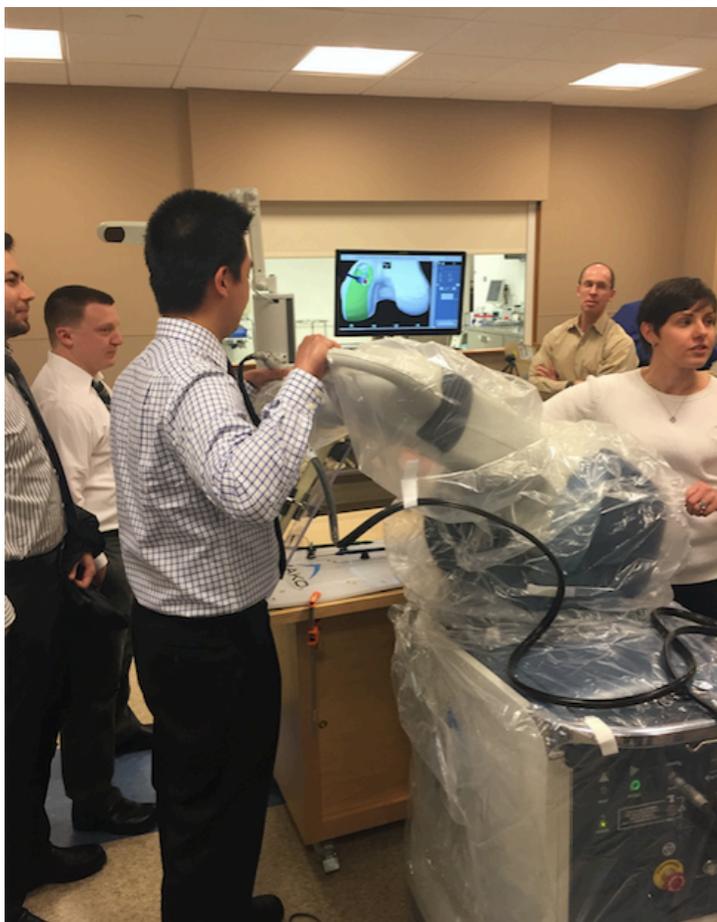
3 months Jersey City Medical Center
3 months NYU HJD
3 months Morristown Medical Center
3 months St. Barnabas Medical Center

PGY4

7 months Jersey City Medical Center
2 months JCMC Out-patient Surgery
2 months Morristown Medical Center
1 month Hackensack University Medical Center

PGY5

6 months Jersey City Medical Center
6 months St. Barnabas Medical Center



Advanced Skills Labs

Residents have the opportunity to receive advanced training and certification in some of the newest surgical techniques, including microplasty partial knee replacements and robot-assisted surgery.

Resident Clinic

Residents learn each aspect of patient care while seeing patients in our resident clinic. Here, they work-up new patients, develop a treatment plan, learn the indications for surgery and how to create a preoperative plan. They bring this knowledge into the operating room, where they can apply their preoperative plan and learn the surgical techniques from our attending faculty. After following their patients postoperatively in our Orthopaedic Institute, they are able to see them progress and rehabilitate in the resident clinic, providing them with a complete experience in continuity of care.



Rotation Sites

Jersey City Medical Center
Saint Barnabas Medical Center
New York University Hospital for Joint Diseases
Morristown Medical Center
Holy Name Medical Center
Hackensack University Medical Center
*Also rotate at several ambulatory surgery centers

Use of a Hinged Antibiotic-Loaded Cement Spacer for an Infected Periprosthetic Fracture in a Total Elbow Arthroplasty: A Novel Construct Utilizing Ilizarov Rods

A Case Report

Frank A. Liporace, MD, Daniel Kaplan, DO, William Stickney, DO, and Richard S. Yoon, MD

Investigation performed at the Division of Orthopaedic Trauma, Department of Orthopaedic Surgery, NYU Hospital for Joint Diseases, New York, NY

Case: After a fall, a seventy-seven-year-old woman had been treated at an outside institution with a right total elbow arthroplasty (TEA), which was complicated by subsequent infection and a periprosthetic fracture. After referral to our institution for definitive management, we confirmed chronic periprosthetic infection. The patient underwent a two-stage revision with interval use of a hinged antibiotic-loaded cement spacer created with Ilizarov rods. One year postrevision, she had no pain, no signs of infection, and an elbow active range of motion of 10° to 110°.

Conclusion: A two-stage revision of an infected TEA with a periprosthetic fracture can be managed successfully with our novel hinged antibiotic-loaded cement spacer.

AOAO Requirements

As part of the American Osteopathic Academy of Orthopedics residency training standards, each resident is required to submit at least one scientific paper as the first author during each of their PGY 3, 4, and 5 years. Projects can include a scientific article, a literature review, a case report or a poster presentation.

ACGME Accreditation

The American College of Graduate Medical Education will become the umbrella organization accrediting all allopathic and osteopathic residency programs by 2020. Jersey City Medical Center is already an ACGME accredited institution and we have formed our Orthopaedic Surgery ACGME Accreditation Committee and are in the process of submitting our application to become pre-accredited before July of 2016. Resident and faculty scholarly activity is an important part of the ACGME requirements. Fortunately, JCMC has well published faculty who are very active in research, providing residents ample opportunity for publications, presentations, and posters. Residents also have access to a multicenter library and their patient databases, including a standing IRB here at JCMC.

Resident Library

Jersey City Medical Center keeps a stocked medical library available to residents. We are actively updating it with the newest editions of the electronic and bound versions of numerous Orthopaedic textbooks and journals.



Scholarly Research

Resident Research

Kulkarni GS, Babhulkar S, Goel SC, Thieme. Guidelines in Fracture Management- Fracture of the Neck of the Femur: Treatment of Femoral Neck Fracture. Chapter 5. Spencer JA, Yoon RS, Liporace FA. August 2015

Rao JP, Cabezas A, Spencer JA, Mastromonaco E. A Novel Technique for Extensor Mechanism Repair. MOJ Orthopaedics and Rheumatology, June 2015; 2(6):74-77

Taylor CE, Stickney W, Jelinek JS, and AJ Aboulafia. Musculoskeletal Biopsy: Avoiding potential pitfalls and improving outcomes. Orthopaedic Knowledge Online Journal 2015;13(10):2

Liporace FL, Kaplan D, Stickney W, and R Yoon. Use of a hinged, antibiotic-loaded cement spacer for infected periprosthetic fracture in total elbow arthroplasty: A novel construct utilizing ilizarov rods. JBJS Case Connector. 2014 Dec;4(4):1-6

Boe E, Sanchez HB, Kazenske FM, and Wagner RA. Efficacy of Skin Preparation in Eradicating Organisms Before Total Knee Arthroplasty. Am J Orthop. 2014;43(12):E309-E312

Orthopaedic Education

Surgical Indications Conference

Mondays 5-6:00pm

On Monday evenings, Dr. Liporace moderates a case conference where residents review cases for Tuesday reviewing the surgical indications and creating preoperative plans.

Resident Education Conference

Wednesdays 6:30-10:00am

On Wednesday mornings, the residents hold a fracture conference to review teaching cases that correspond to the conference topic that day. An attending specializing in the corresponding area of Orthopaedics moderates the fracture conference. The remainder of the education conference consists of resident-directed learning from presentations based on orthopedic textbooks, review books, review articles, scientific articles as well as OITE practice questions.

Department of Orthopaedics Education Conference

Thursdays 6:30-8:00am

This weekly conference consists of an attending lecture and resident case and topic presentation with JCMC orthopedic attendings, residents and PAs.



Morbidity and Mortality Conferences

Orthopaedic M&M cases are presented by residents in a systematic approach to determine a root cause analysis in an effort to improve our patient care through new protocols. The Orthopaedic attending faculty provide discussion and valuable insight into the cases.

Journal Clubs

Each quarter, an attending moderates a journal club to discuss current topics in the literature. This provides residents an opportunity for open discussion with experienced faculty to gain broader insight and share ideas regarding the latest research.



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