2019-2020 USC ORTHOPAEDIC SURGERY RESIDENCY PROGRAM

http://keck.usc.edu/orthopaedic-surgery/training-education/residency-program/
The University of Southern California Orthopaedic Surgery Residency Program provides graduate training in all aspects of the specialty, including adult reconstruction, foot and ankle surgery, hand and upper extremity surgery, sports medicine, shoulder and elbow surgery, spine surgery, orthopaedic oncology, and orthopaedic trauma. It is a fully-accredited five-year program and meets all requirements of the American Board of Orthopaedic Surgery. All residency positions are filled through the National Residency Matching Program.

Application
The residency program draws upon the best resources of five affiliated institutions in the Los Angeles metropolitan area to provide a broad, well-balanced educational experience. The faculty consists of over 30 full-time clinical and research specialists in all areas of orthopaedic surgery. In addition, our dedicated voluntary faculty also contribute to resident education, many of which are former USC residents. Each faculty member brings expertise in his or her specialized area through participation in teaching rounds, instruction in clinics and surgery, formal teaching conferences, and research.

All residency positions are filled through the National Residency Matching Program (NRMP). Our department participates in the Electronic Residency Application Service (ERAS). Documents presented outside of ERAS will not be considered.

Our requirements for application include:
- Completed ERAS application
- Medical school transcript
- Personal statement
- Photo
- Scores from Part I and Part II (if taken) from the United States Medical Licensing Exam (USMLE), National Board of Medical Examiners (NBME), Federation Licensing Examination (FLEX), or Comprehensive Osteopathic Medical Licensing Examination (COMLEX)
- Dean’s letter
- Three narrative letters of recommendation completed by physicians, with at least one letter from an orthopaedic surgeon

NOTE: A maximum of four letters of recommendation will be accepted, inclusive of the Dean’s letter. Narrative letters must be submitted with the American Orthopaedic Association Standardized Letter of Recommendation Form as a singular document. For further information and application materials, please contact your Dean’s Office at your home institution. Foreign medical students should apply through the Education Commission for Foreign Medical Graduate Services (ECFMG). Applicant eligibility, application process, visa information, negotiated salaries, sample appointment offer, and physician conditions of appointment agreement can be found at:
http://dhs.lacounty.gov/wps/portal/dhs/lacusc/

SPECIAL THANKS TO OUR ADMINISTRATIVE CHIEFS
DR. RAM ALLURI & DR. NICHOLAS TRASOLINI
FOR THEIR OUTSTANDING CONTRIBUTIONS DURING THIS ACADEMIC YEAR.
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Pediatric Orthopaedics

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Chief
**USC** Epstein Family Center for Sports Medicine
Associate Professor of Clinical Orthopaedic Surgery
Keck Hospital of **USC**
Team Physician, **USC** Athletics
Head Team Physician, Los Angeles Kings Hockey Team

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Professor of Clinical Orthopaedic Surgery
Moss Foundation Professorship in Sports Medicine in Memory of Dr. Robert K. Kerlan
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**Alexander Weber, M.D.**
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Keck Hospital of **USC**
Keck Hospital of USC

Keck Hospital of USC is the headquarters for the private practice inpatient activities of the USC medical faculty. The 401-bed acute care hospital is best described as a specialty teaching hospital, where residents are exposed to all aspects of adult orthopaedic surgery. The mission of Keck Hospital of USC is to serve our community through innovation and convergence. The Department of Orthopaedic Surgery has established Centers of Excellence, including the Joint Preservation and Replacement Center, the Epstein Family Center for Sports Medicine, the Comprehensive Spine Center, and the Musculoskeletal Oncology Center.

USC Verdugo Hills Hospital

A 158-bed community hospital serving Glendale, La Canada Flintridge and the surrounding Foothill communities of the San Gabriel Valley. Residents have the opportunity to participate in the surgical treatment of community trauma including but not limited to proximal humerus, elbow, wrist, hip, and ankle fractures. The community trauma experience helps instill confidence so that our residents are comfortable taking general orthopaedic surgery call in the community regardless of their fellowship training.

USC Orthopaedic Surgery Clinic – El Segundo

The USC Orthopaedic Surgery clinic, located inside the Toyota Sports Performance Center, provides advanced treatment options and tailored rehabilitation services for sports injuries of all types. USC Orthopaedic Surgery physicians are the official orthopaedic medical services provider of the Los Angeles Kings hockey team and USC Intercollegiate Athletics. Our world-renowned physicians from the USC Epstein Family Center for Sports Medicine offer a broad range of orthopaedic care and services to athletes at all levels.
Los Angeles County + USC Medical Center
LAC+USC Medical Center is one of the largest teaching centers in the world, with over 700 beds, greater than 3,000 yearly orthopaedic admissions and more than 50,000 orthopaedic outpatient visits. This large and diverse patient population affords residents a wide range of clinical opportunities to evaluate and treat, provides significant hands-on experience in both operative and non-operative aspects of orthopaedic surgery, and offers a wealth of material for clinical research.

Rancho Los Amigos Medical Center
Rancho Los Amigos Medical Center is a 245-bed nationally renowned rehabilitation facility, with 556 adult orthopaedic admissions and 7,600 adult outpatient orthopaedic clinic visits annually. Residents rotate through Rancho during their PGY-1 and again during their PGY-4 on the Total Joint Replacement Service. Rehabilitation management is incorporated in all services. Rancho Los Amigos Hospital houses a world-renown Pathokinesiology Laboratory which evaluates patients with acquired and traumatic neuromuscular disorders.

Kaiser Permanente Baldwin Park
The Baldwin Park Medical Center offers a full range of outpatient care as well as 24-hour urgent care services. Residents gain exposure to both inpatient and outpatient care of a variety of orthopaedic problems in a community hospital setting. The focus of this rotation will be on the development of surgical skills in arthroscopy and arthroplasty via a high volume of cases. On this rotation, residents operate 5 days a week to maximize their surgical experience.

Children’s Hospital Los Angeles
Children’s Hospital of Los Angeles (CHLA) is one of the nation’s leading pediatric hospitals and the only Level I pediatric trauma center in Los Angeles. CHLA provides the opportunity for the residents to work with experienced pediatric orthopaedic surgeons and gain expertise in neuromuscular, congenital, developmental, and traumatic conditions in children. An active gait laboratory, for both clinical and research purposes, is located in the hospital.
RESIDENCY CURRICULUM

Curriculum is based upon requirements set by the American Board of Orthopaedic Surgery.

Call Schedules
Each rotation develops its own call and rounding schedule. As with all residency training programs at LAC+USC Medical Center, the Department of Orthopaedic Surgery complies with the basic guidelines established by the Office of Graduate Medical Education.

Time Away from Program Duties
In addition to at least one 24-hour period each week, every resident receives 4 weeks paid vacation, 3 days of educational leave, and 12 days of sick leave annually.

INTERNSHIP: POST-GRADUATE YEAR 1 (PGY-1)
The ACGME requires 12 months of general education, which is satisfied in the PGY-1 year. The first year of training is organized into thirteen 28-day rotations in various services relevant to the care of patients. Orthopaedic interns are considered part of the surgical internship pool which consist of 6 general surgery rotations and 6 orthopaedic rotations.

A unique aspect of our program is an intern year generally tailored towards developing and advancing skills expected of an orthopaedic surgery resident. For example, during the Rehabilitation/Amputee service rotation at Rancho Los Amigos Medical Center in Downey, residents learn to manage chronic and debilitating conditions of neurological, congenital, metabolic, infectious, and traumatic origins. They are taught basic prosthetics and orthotics as well as basic principles in rehabilitation. Weekly lectures augment clinical training. By the end of their rotation, residents are expected to be competent in performing basic and complex amputation as well as limb salvage procedures. Residents will also be skilled in the appropriate workup and management of patients with orthopaedic complications due to diabetes, infections, and trauma.

Aside from dedicated orthopaedic rotations, the general surgery rotations are selected towards further developing skills relevant to orthopaedics. The PGY-1 residents rotate on acute care surgery (trauma surgery) where they learn how to manage poly-trauma patients. Furthermore they rotate on vascular surgery and learn how to workup ischemic limbs and plastic surgery where they refine their suturing technique. A rotation in the surgical intensive care unit (SICU) also allows for a better understanding of ventilation management and multi-disciplinary care of trauma patients.

In addition to the clinical rotations, interns complete a year-long curriculum of modules to develop skills in casting, suturing, basic orthopaedic trauma principles, and joint arthroplasty, amongst other topics. All modules are taught by faculty. In addition, every Friday the PGY-1 residents are freed from clinical duties to attend the Core Curriculum lectures that are the cornerstone of the Department’s didactic teaching initiative for the orthopaedic surgery residents. The PGY-1 residents also attend the monthly Journal Club and Grand Rounds.

Affiliated Medical Centers
Children’s Hospital Los Angeles (CHLA)
Kaiser Permanente- Baldwin Park
Keck Medical Center of USC
LAC+USC Medical Center
Rancho Los Amigos National Rehabilitation Center
USC Orthopaedic Clinic – El Segundo
USC Verdugo Hills Hospital
**Year 1 Rotations**

**Orthopaedic Rotations**
Oncology, Hand, Trauma (day), Trauma (night), Adult Reconstruction, Rehabilitation/Amputation

**General Surgery Rotations**
General Laparoscopic Surgery, Acute Care Surgery (2 months), Vascular Surgery, Plastic Surgery, Surgical Intensive Care
Vacation (4 weeks)

**Junior Resident Rotations**

**Orthopaedic Trauma (30 weeks – 15 weeks each year) – LAC+USC Medical Center**
There are two trauma teams on the trauma service that cover every day of the week except Saturday. The Saturday “Green Team” call is covered by a PGY-2, PGY-3, and a Senior Resident (PGY4 or PGY-5) from non-trauma services.

The PGY-2 and PGY-3 residents on the trauma teams will learn to evaluate orthopaedic patients and manage acute orthopaedic problems emergently and effectively including pre- and post-operative care of patients. Their responsibilities include evaluating all consults from the emergency department and inpatient wards in addition to operating under the supervision of attending physicians and senior residents. The LAC+USC Medical Center is unique in that it contains a designated Orthopaedic Evaluation Treatment Area (OETA) within the emergency department reserved for patient evaluation and treatment. The junior resident on call is responsible for evaluating and treating patients in the OETA and will perform minor procedures such as fracture manipulation & casting, extensor tendon repairs, traction pin placement, and revision digit amputations. There are numerous
highly experienced physician assistants dedicated to this area responsible for assisting the resident with these procedures.

In the trauma outpatient clinic, the junior residents see patients and then present to senior residents and attending physicians who staff the clinic. In addition, residents perform all procedures in the outpatient clinic, including any repeat fracture manipulation, basic hardware removal, or other minor outpatient procedures. The continuity of the trauma experience, from E.D. evaluation through outpatient care, encourages the residents to develop comprehensive plans for fracture management.

**Sports Medicine (13 Weeks) – Keck Medical Center of USC and LAC+USC Medical Center**

The junior resident gains exposure to basic and complex sports related injuries including workup, diagnosis, operative and non-operative treatment, and rehabilitation. The focus of the rotation is on early and frequent exposure to arthroscopic surgery. Multiple conferences throughout the week provide the framework for the evaluation and treatment of sports medicine patients. This includes working with the USC team orthopaedic surgeons, and there are opportunities to attend training room sessions at the USC undergraduate campus. In addition, Dr. Weber leads an exciting new program for local high school football team coverage for those junior residents interested in a team coverage experience supervised by senior residents. Residents take home calls during this service in addition to any “Green Team” call described above.

**Adult Reconstruction (13 weeks) – Keck Medical Center**

While at Keck Medical Center, a team consisting of a PGY-2, 3, 4, and 5 participate in total joint replacement surgery as well as the clinical management of adult orthopaedic joint conditions. Residents perform numerous total joint replacements as well as receive training in both pre- and post-operative management of joint reconstruction patients. In addition to primary total joint replacement, junior residents have the opportunity to assist with complex revisions as well as cutting edge procedures such as robotic unicompartmental arthroplasty. There are weekly conferences and didactics led by attendings. Residents take home calls during this service in addition to any “Green Team” call described above.

**Hand and Upper Extremity (13 Weeks) – LAC+USC Medical Center and Keck Medical Center**

This service consists of a PGY-2, PGY-3, PGY-4 or PGY-5, plastic surgery senior resident, and hand fellow. The residents participate in surgery at LAC+USC Medical Center, as well as Keck Medical Center. This rotation provides residents with comprehensive training in all aspects of hand surgery, including acute trauma, congenital, reconstructive, and micro-vascular surgery of the hand. LAC+USC Medical Center is a major center for upper extremity revascularization and replant procedures, which provides an excellent experience for residents who assist with nearly all of these cases. Residents share home call for replantation cases, however do not take in-house call while on this service unless they are scheduled for “Green Team” calls. There are weekly didactics and monthly mortality and morbidity conferences.

**Pediatric Orthopaedic Surgery (13 Weeks) – Children’s Hospital Los Angeles**

This service is located at Children’s Hospital Los Angeles, one of the nation’s leading pediatric orthopaedic centers. The team consists of two USC junior residents (PGY-2 and PGY-3), a USC senior resident (PGY-4 or PGY-5), and two residents from area residency programs. During this rotation, residents gain exposure to acquired, congenital, developmental, oncologic and traumatic orthopaedic conditions in children through surgery and outpatient clinics. Daily morning lectures from attending physicians focus on key concepts within pediatric orthopaedic surgery, and provide excellent preparation for the annual Orthopaedic Surgery In-Training examination (OITE). There are also weekly staff conferences designed to review all pre- and post-operative cases, a monthly journal club, as well as a monthly morbidity and mortality conference. Residents take in-house call approximately once per week throughout their time on service.
General Orthopaedic Surgery (6 Weeks) – Kaiser Permanente Baldwin Park
The PGY-2 or PGY-3 on service experience a comprehensive adult orthopaedic practice, with exposure to a broad range of subspecialties, but with a focus on arthroscopic surgery. In addition, they are frequently able to attend the AO Basic Principles of Fracture Management course during this rotation. Residents take three to four in-house calls (5PM-7AM) during this 10 week rotation.

Spine (6 weeks) – Keck Medical Center and LAC+USC Medical Center
The junior resident on this service splits their time between the LAC+USC Medical Center and the Keck Medical Center. During this time, the resident will gain exposure through surgery, inpatient care and out-patient services. Multiple conferences are held on a weekly basis designed to discuss core concepts in orthopaedic spine as well as reviewing radiographs, MRI, CT, and other diagnostic modalities. Residents will have home call responsibilities for Keck Medical Center and may additionally have “Green Team” call during this rotation.

SENIOR RESIDENTS: POST-GRADUATE YEARS 4 AND 5 (PGY-4 AND PGY-5)
The senior years of residency training are designed to continue to expand on orthopaedic knowledge and surgical skills as well as to prepare the resident for supervisory and teaching roles. Residents are given graduated responsibility to be more active and independent in patient care decisions.

Senior Resident Rotations
Orthopaedic Trauma (30 weeks – 15 weeks each year) – LAC+USC Medical Center
The fourth and fifth years on the trauma rotation are responsible for performing more complex surgeries as well as transitioning into roles as teachers on the service. With the help of each service’s physician’s assistant, they are responsible for managing the surgical schedule as well as assisting with decision making both pre- and post-operatively. Preoperative planning is heavily emphasized on the trauma rotation and residents are required to come up with their own planned surgical approach, reduction technique, and fixation choice. Residents can call in implants from various vendors to become familiar with multiple systems. Call is once to twice weekly.

Adult Reconstruction (10 weeks) – Keck Medical Center
While at Keck Medical Center, a team consisting of a PGY-2, 3, 4, and 5 are responsible for participating in total joint reconstruction surgery and other adult reconstruction procedures as well as the management of adult orthopaedic problems. The residents are expected to be well trained in performing basic orthopaedic total joint replacements as well as an appropriate workup of reconstruction patients, including both pre- and post-operative treatment. There are weekly conferences and didactics with attendings. Residents take occasional home calls during this service in addition to any “Green Team” call described above.

Adult Reconstruction (5 Weeks) – Rancho Los Amigos
The senior resident runs the surgical arthritis service at Rancho Los Amigos Medical Center. During this time, the resident is exposed to two days of surgery per week as well as the pre- and post-operative management of joint replacement patients. Residents do not take in house call but do share in a pool of rotating service calls. They may have “Green Team” call during this time.

Spine (5 weeks) – Keck Medical Center
The senior resident is responsible for managing inpatient and out-patient treatment of the spine. This service provides broad exposure to the operative treatment of spinal deformity, degenerative conditions of the spine and spinal trauma. There are two weekly conferences which augment clinical training. Residents take home call in addition to any “Green Team” call as above.
Sports (10 weeks) – Keck Medical Center and LAC+USC Medical Center
The PGY-4 and PGY-5 on the sports service are responsible for managing the sports services at Keck Medical center and LAC+USC respectively. These services include both inpatient and out-patient treatment of acute and chronic sports injuries as well as training in sports injury rehabilitation. This service provides an extensive experience in arthroscopic surgery as well as many open surgical procedures.

Hand and Upper Extremity (5 Weeks) – LAC+USC Medical Center and Keck Medical Center
As a senior resident, the rotation builds on the exposure to hand and upper extremity gained earlier in the residency. Senior residents are involved in more complex surgical cases and have increased responsibility in the operating room. The senior resident is responsible for the organization of the service and determines the operative schedule. Residents share home call for replantation cases, and are occasionally scheduled for “Green Team” calls. There are weekly didactics and monthly mortality and morbidity conferences.

Pediatric Orthopaedic Surgery (5 Weeks) – Children’s Hospital Los Angeles
During this rotation, the senior resident is responsible for increasing clinical and surgical responsibility. This service includes daily lectures from attending physicians focusing on key concepts within pediatric orthopaedic surgery as well as preparation for the annual Orthopaedic Surgery In-Training examination (OITE). There is a weekly departmentwide conference where preoperative and postoperative cases are discussed including patient presentation, diagnoses, radiographs and surgical details. Once a month there is also a journal club review. The residents take in-house call approximately twice a week throughout duration of the service.

Pediatric Orthopaedic Surgery and Orthopaedic Oncology (5 weeks) – LAC-USC Medical Center
Junior residents are paired with a senior resident and collectively cover the pediatric and oncology services. There are daily didactics with the pediatrics or oncology attendings. Also, one day per week is dedicated to Pediatric Sports, with clinic in the morning and surgery in the afternoon. Residents will have no call except for “Green Team” call as detailed above.

Orthopaedic Oncology (5 weeks)– Keck Medical Center
The senior resident will gain experience in the diagnosis and treatment of musculoskeletal neoplasms on one of the largest orthopaedic oncology practices in the country. Residents assist in numerous operative cases, ranging from small biopsies to definitive endoprothetic reconstructions. There is a weekly tumor board conference with pathology, radiology, medical and radiation oncology. The residents take home call in addition to any “Green Team” call as described above.

Foot and Ankle/Reconstruction (5 Weeks) – Keck Medical Center and LAC+USC Medical Center
This rotation involves a comprehensive educational experience involving workup and treatment of common and complex foot and ankle diagnoses. The senior resident operates both at Keck Hospital and LAC+USC. Additionally, there is a weekly resident education conference in which key concepts are reviewed and complex cases are discussed. Residents take home calls during this service in addition to any “Green Team” call described above.
Nicholas Trasolini, M.D. & Ram Alluri, M.D.

Two PGY-5 residents are selected yearly by the faculty to function as Administrative Chief Residents. They are given advanced responsibilities in teaching, organization, and administration. The Chief Residents work closely with the Program Director and the Director of Resident Education to provide continuous resident feedback about various aspects of the program.

Libraries
The Norris Medical Library on the USC Health Sciences Campus has an extensive orthopaedic surgery section. The affiliated hospitals also have libraries which have current and past orthopaedic periodicals and reference books. Faculty and Alumni have donated funds to establish a collection of books located at the LAC+USC Medical Center. Also, the Norris Medical Library website includes access to numerous medical literatures, including multiple orthopaedic surgery full online books, journal databases, as well as other digital resources.

Conferences & Courses
Residents are encouraged to attend educational conferences and courses throughout the PGY-1 through PGY-5 years. During this time, residents are frequently able to attend AO Basic and advanced courses as well as more specialized courses related to their desired field of interest. Also, all fifth year residents are provided time off to attend both the annual American Academy of Orthopaedic Surgery conference as well as the annual Miller’s Board Review conference.
Research Opportunities
Research is encouraged at all points during the residency program. Residents must complete at least one publication-worthy project during their residency. Projects may be clinically based or basic science. Residents are guided throughout the research process by regular meetings with the Resident Research Committee, consisting of clinical and basic science faculty members who are themselves active researchers. All projects are supervised by full-time faculty members and may be completed at any affiliated research centers. Additionally, projects may be completed at the Gait Laboratory at CHLA or Rancho Los Amigos Medical Center, or at the Orthopaedic Biomechanics Laboratory at the Long Beach Veterans Affairs Hospital. One resident each year will have the opportunity to take a year off from clinical duties to do basic science research for a year. The research year will be supervised by Dr. Lieberman.

Didactics & Educational Activities
Core Curriculum is the cornerstone of resident education and is held every Friday from 6:45 am until 8:30am. Residents are excused from all clinical responsibilities during this time. All lectures are given by faculty members. As part of the Core Curriculum there are special review sessions to prepare the residents for the annual Orthopaedic In-Training Exam (OITE). The Core Curriculum covers all aspects of Orthopaedic Surgery and runs on a 2-year cycle. Once a month, Morbidity and Mortality conferences are held during part of this time in order to further educate residents.

Department of Orthopaedic Surgery Journal Club is held once a month at Keck Hospital of USC, and each service also holds a conference or journal club each week in which residents are expected to prepare and present topics related to their respective services.

Monthly Grand Rounds are given by renowned visiting faculty. These lectures include the Joseph H. Boyes, MD Memorial Lecture focusing on Hand and Upper Extremity topics, and the Robert K. Kerlan, MD Memorial Lecture focusing on Sports Medicine related topics.

Subspecialty Conferences – Each subspecialty service also has at least one weekly faculty-conducted educational conference for the residents on that particular service.

Evidence-Based Research Conference – This conference meets monthly. The purpose is to review evidence-based literature or an interesting article related to health policy or economics.

Other educational opportunities include cadaver dissection, arthroscopy tutorials, and sawbone labs.

One unique aspect of the education here includes the use of an arthroscopy simulation tower at LAC+USC Medical Center. Our program is one of only a handful of institutions to have this equipment available. This tower allows life-like simulation of multiple shoulder and knee arthroscopic procedures as well as step-by-step instruction for performing these procedures. There are also multiple research projects underway evaluating the use of this equipment in training residents and attending surgeons.
# Conference Schedule

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<td>JOURNAL CLUB (1ST MON)</td>
<td>CHLA LECTURE</td>
<td>CHLA LECTURE</td>
<td>FOOT &amp; ANKLE ROUNDS</td>
<td>CORE CURRICULUM</td>
<td>FOOT &amp; ANKLE ROUNDS</td>
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<tr>
<td>SPORTS JOURNAL CLUB (ALTERNATES ON MONS)</td>
<td>MUSCULOSKELETAL TUMOR BOARD</td>
<td>JOINTS CONFERENCE</td>
<td>PEDS ROUNDS</td>
<td>PEDS ROUNDS</td>
<td>PEDS ROUNDS</td>
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<tr>
<td>SPORTS/RADIOLOGY</td>
<td>HAND CONFERENCE</td>
<td>SPORTS CONFERENCE</td>
<td>(1ST FRI)</td>
<td>(1ST FRI)</td>
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</tr>
<tr>
<td></td>
<td>CLINICAL COUNCIL (3RD TUES)</td>
<td>TRAUMA PRE/POST-OP</td>
<td>GRAND ROUNDS</td>
<td>TRAUMA CONFERENCE</td>
<td>TRAUMA CONFERENCE</td>
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<td></td>
<td>PEDS</td>
<td>SPINE – LAC</td>
<td>(1x/MO)</td>
<td>TRAUMA CONFERENCE</td>
<td>(SAT ONLY)</td>
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<td>SPORTS JOURNAL CLUB</td>
<td>INTERN MODULES (1x/MO)</td>
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<tr>
<td></td>
<td>(ALTERNATES ON TUES)</td>
<td>TRAUMA RESEARCH</td>
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<td></td>
<td></td>
<td>HAND KAISER (1ST WED)</td>
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## Core Curriculum
USC Department of Orthopaedic Surgery ~ Class of 2024 & Department Chair (center) Jay R. Lieberman, M.D.
Salaries & Benefits

Salaries are negotiated annually and subject to change. Residents are paid on a bi-monthly schedule with the option to receive direct deposit. **Residents who elect NOT to receive direct deposit will be paid monthly and will be responsible for retrieving their check from payroll in the City of Commerce.** The annual breakdown of pre-tax salary effective 10/01/19 is:

<table>
<thead>
<tr>
<th>YEAR LEVEL</th>
<th>MONTHLY SALARY</th>
<th>YEARLY SALARY</th>
</tr>
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<tbody>
<tr>
<td>GY-1</td>
<td>$4,620.39</td>
<td>$55,444.66</td>
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<tr>
<td>GY-2</td>
<td>$5,018.56</td>
<td>$60,222.81</td>
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<tr>
<td>GY-3</td>
<td>$5,437.69</td>
<td>$65,252.25</td>
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<tr>
<td>GY-4</td>
<td>$5,859.71</td>
<td>$70,316.57</td>
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<tr>
<td>GY-5</td>
<td>$6,270.38</td>
<td>$75,244.51</td>
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<tr>
<td>GY-6</td>
<td>$6,695.23</td>
<td>$80,342.70</td>
</tr>
<tr>
<td>GY-7</td>
<td>$7,094.58</td>
<td>$85,134.90</td>
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</tbody>
</table>

Additionally, residents are provided with a $2,000 (pre-tax) stipend at the beginning of their PGY-2 to pay for Step 3, California Medical License, and/or any other expenses related to training.

**Health, Dental, Life Insurance:** All residents may elect basic group health, dental, and life insurance benefits and coverage offered by Los Angeles County+USC, which pays the monthly insurance premiums for the resident. Dependent coverage is available, however, the resident is responsible for paying a percentage of the premium. Upon beginning their internship, residents are provided with a sum of money with which to use towards the health plan of their choice. Additional costs may come out of pocket and remaining money may be returned to the resident. Insurance plans may be modified on an annual basis. **There is a 60-day+ waiting period for all medical benefits.**

**Professional Liability:** During the time a resident is approved for service in any affiliated institution, he or she is covered by the affiliated institution’s liability policy.

**Meals:**
- **LAC+USC Medical Center:** Residents provided with $28 per day with a maximum of $8 for breakfast, $10 for each lunch and dinner. This may be used at the staff cafeteria or the patient cafeteria which has extended hours.
- **Keck Medical Center:** Residents provided with $28.00 per 24-hr period.
- **CHLA:** $150 per month as a stipend for meals while on call.
- **Rancho Los Amigos Medical Center:** All meals are free.
- **Kaiser Permanente Baldwin Park:** Residents are provided with $7.50 for breakfast and $10 for each lunch and dinner.

**Parking:** Residents are provided with parking at all facilities without charge.

**Uniforms:** Residents are provided with two white coats from the LAC+USC Medical Center. One white coat from Keck Medical Center of USC is provided during the resident’s first Keck rotation. Complimentary laundry service is provided at both facilities.
Current Residents

**Post Graduate Year 1**
- Jennifer Bell – Chicago Medical School at Rosalind Franklin University of Medicine & Science
- Gabriel Bouz – Keck School of Medicine of USC
- William Hill – Howard University of College of Medicine
- Emily Mills – Frank H. Netter, M.D., School of Medicine at Quinnipiac University
- Haley Nakata – Keck School of Medicine of USC
- Ikenna Nwachuku – Loma Linda University School of Medicine
- Joshua Trelor – Tulane University School of Medicine
- Caroline Vonck – Case Western Reserve University School of Medicine

**Post Graduate Year 2**
- Sofia Bougioukli – University of Thessalia, Faculty of Medicine
- Kevin Collon – University of Miami, Miller School of Medicine
- Olumuyiwa Idowu – University of Chicago
- Ramin Lalezari – Washington University School of Medicine
- Luke Lovro – University of New Mexico School of Medicine
- Kurt Mohty – University of Arizona College of Medicine-Tucson
- Akhil Reddy – Weill Cornell Medical College
- Kyle Schoell – Keck School of Medicine of USC

**Post Graduate Year 3**
- Neilen Benvegnu – Rutgers Robert Wood Johnson University
- Harsh Chawla – Icahn/Mount Sinai
- Hyunwoo Paco Kang - Columbia University College of Physicians and Surgeons
- Candace Mason – University of Texas Medical Branch
- Braden Mc Knight - Keck School of Medicine of USC
- Brandon Ortega - Keck School of Medicine of USC
- Mathew Schur - Keck School of Medicine of USC
- Thomas Steck – University of Washington School of Medicine

**Post Graduate Year 4**
- Eric Basler – University of Washington School of Medicine
- Meghan Brown – Keck School of Medicine of USC
- Lisa Cao - David Geffen School of Medicine at UCLA
- Jihoon (Tony) Choi – Creighton University School of Medicine
- Mary Kate Erdman – University of South Florida College of Medicine
- Mark Howard – University of Pennsylvania School of Medicine
- Tristan Juhan – Tulane University School of Medicine
- Harrison Kay – Vanderbilt University School of Medicine
- Alexander Peterson – University of California, Irvine, College of Medicine
- Venus Vakhshori - Perelman School of Medicine at the University of Pennsylvania

**Post Graduate Year 5**
- Ram Alluri – David Geffen School of Medicine at UCLA
- Joseph Antonios - Stanford University School of Medicine
- Jacob Bobman - Columbia University College of Physicians and Surgeons
- Robert Burgmeier – Northwestern University The Feinberg School of Medicine
- Marie Dusch – University of California, San Francisco, School of Medicine
- Pouriya Ghayoumi – University of California, San Francisco, School of Medicine
- Aaron Gipsman – Chicago Medical School at Rosalind Franklin University
- Ryan Jahn – Keck School of Medicine of USC
- Adam Lindsay – Drexel University College of Medicine
- Nicholas Trasolini – Stony Brook University School of Medicine

**Research**
- Hansel Ihn - University of California, Irvine, College of Medicine
<table>
<thead>
<tr>
<th>Fellowship Placement Class of 2019</th>
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</thead>
<tbody>
<tr>
<td>Ali Azad – Surgery of the Hand &amp; Upper Extremity at NYU Hospital for Joint Diseases</td>
</tr>
<tr>
<td>Joseph Cooper – Sports Fellowship at Steadman Philippon Research Institute</td>
</tr>
<tr>
<td>Steven Donohoe – Hip &amp; Knee Reconstruction Fellowship at University of Utah</td>
</tr>
<tr>
<td>Anthony Essilfie – Joint Diseases Sports Medicine Fellowship at NYU Hospital for Joint Diseases</td>
</tr>
<tr>
<td>Stephen Gibbs – Orthopaedic Trauma Fellowship at Carolinas Medical Center</td>
</tr>
<tr>
<td>Kevo Hindoyan – Spine Fellowship at University of California San Francisco</td>
</tr>
<tr>
<td>Justin Hudson – Sports Orthopaedic Surgery Fellowship at University of California Los Angeles</td>
</tr>
<tr>
<td>Nima Kabirian – Adult Reconstruction Fellowship at Duke University</td>
</tr>
<tr>
<td>James O’Dowd – Adult Reconstructive Surgery Fellowship at Houston Methodist Hospital</td>
</tr>
<tr>
<td>William Pannell – Orthopaedic Trauma Fellowship at LAC+USC Medical Center</td>
</tr>
<tr>
<td>Frank Russo – Surgery of the Hand &amp; Upper Extremity at NYU Hospital for Joint Diseases</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Fellowship Placement Class of 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracey Didinger – Sports Medicine and Shoulder Surgery Fellowship at University of Colorado Health Science Center</td>
</tr>
<tr>
<td>Brock Foster – Trauma Fellowship at Vanderbilt University Medical Center</td>
</tr>
<tr>
<td>Nathanael Heckmann – Adult Reconstruction Fellowship at Rush University Medical Center</td>
</tr>
<tr>
<td>Jessica Intravia – Hand and Upper Extremity Fellowship at Philadelphia Hand to Shoulder Center</td>
</tr>
<tr>
<td>Jesse Kaplan – Hand and Upper Extremity Fellowship at the University of Pittsburgh</td>
</tr>
<tr>
<td>Michael Steff – Adult Reconstruction Fellowship at the University of Indiana</td>
</tr>
<tr>
<td>Michael Stone – Shoulder and Elbow Reconstruction Fellowship at the Rothman Institute</td>
</tr>
<tr>
<td>Daniel Tran – Virchel E. Wood Hand and Upper Extremity Surgery Fellowship at Loma Linda University</td>
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<table>
<thead>
<tr>
<th>Fellowship Placement Class of 2017</th>
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</thead>
<tbody>
<tr>
<td>Jessica Bear – Trauma Fellowship at Hospital for Special Surgery</td>
</tr>
<tr>
<td>Michael Charles – Shoulder/Elbow Fellowship at Rush University</td>
</tr>
<tr>
<td>William Croom – Sports Medicine Fellowship at Congress Medical Associates</td>
</tr>
<tr>
<td>Taylor Dunphy – Sports Medicine Fellowship at Keck School of Medicine of USC</td>
</tr>
<tr>
<td>Patrick Hill – Spine Surgery Fellowship at Hospital for Special Surgery</td>
</tr>
<tr>
<td>Bradley Johnson – Spine Surgery Fellowship at New York University</td>
</tr>
<tr>
<td>Pavel Moldavskiy – Hand Surgery Fellowship at Thomas Jefferson University</td>
</tr>
<tr>
<td>Paramjit Singh – Spine Surgery Fellowship at University of California, San Francisco</td>
</tr>
<tr>
<td>Justin Tilan – Trauma Fellowship at Washington University in St. Louis</td>
</tr>
<tr>
<td>Siamak Yasmeh – Spine Surgery Fellowship at University of Wisconsin</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Fellowship Placement Class of 2016</th>
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</thead>
<tbody>
<tr>
<td>Matthew Griffin – Foot &amp; Ankle Fellowship at St. Alphonsus Hospital of Boise</td>
</tr>
<tr>
<td>William Lundergan – Adult Reconstruction Fellowship Stanford University</td>
</tr>
<tr>
<td>Christopher McCrum – Sports Medicine Fellowship at University of Pittsburgh</td>
</tr>
<tr>
<td>Erin Meisel – Hand, Upper Extremity &amp; Microvascular Surgery Fellowship at Duke and Pediatric Fellowship at Children’s Hospital Los Angeles</td>
</tr>
<tr>
<td>Kim Ruby – Traumatology Fellowship San Diego</td>
</tr>
<tr>
<td>Christopher Sakowski – Foot &amp; Ankle Fellowship at Mercy Medical Center of Baltimore</td>
</tr>
<tr>
<td>Tajdip Sandhu – Harvard Combined Fellowship at Massachusetts General</td>
</tr>
<tr>
<td>Lindsey Spragg – Sports Medicine Fellowship at Kaiser Permanente Orange County</td>
</tr>
<tr>
<td>Michelle Sugr – Pediatric Fellowship at Stanford Children’s Hospital and Sports Medicine Fellowship at UCLA</td>
</tr>
<tr>
<td>Berkay Unal – Sports Medicine Fellowship at University of Kentucky</td>
</tr>
</tbody>
</table>

**Former Orthopaedic Surgery Residents – Current Faculty**

<table>
<thead>
<tr>
<th>Lane Shepherd – Class of 1993</th>
<th>Juliann Kwak Lee – Class of 2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Donald Longjohn – Class of 1995</td>
<td>Raymond Hah – Class of 2014</td>
</tr>
<tr>
<td>Alidad Ghiassi – Class of 1999</td>
<td>Erin Meisel – Class of 2016</td>
</tr>
<tr>
<td>Elke Ahlmann – Class of 2005</td>
<td>Nathanael Heckmann – Class of 2018</td>
</tr>
<tr>
<td>Reza Omid – Class of 2010</td>
<td>Luke Nicholson – Class of 2018</td>
</tr>
</tbody>
</table>
Orthopaedic Surgery Residency Graduation
June 21, 2019

Class of 2019
(Seated) Steve Donohoe, M.D., Anthony Essilfie, M.D., Joseph Cooper, M.D., Stephen Gibbs, M.D., William Pannell, M.D.
(Standing) Frank Russo, M.D., Nima Kabirian, M.D., Justin Hudson, M.D., Jay Lieberman, M.D., Daniel Oakes, M.D.,
Kevo Hindoyan, M.D., James O’Dowd, M.D., Ali Azad, M.D.

Administrative Chief Residents – Class of 2019

Ali Azad, M.D.                                             Anthony Essilfie, M.D.
WE EXTEND OUR HEARTFELT APPRECIATION TO THE FAMILIES OF THE CLASS OF 2019

Ali Azad, M.D.

Joseph Cooper, M.D.

Steve Donohoe, M.D.

Anthony Essilfie, M.D.

Stephen Gibbs, M.D.

Kevo Hindoyan, M.D.
WORK/LIFE BALANCE
Residents enjoying a typical day in LA

If you would like to learn more about our outstanding Orthopaedic Surgery Residency Program, please visit https://keck.usc.edu/orthopaedic-surgery/training-education/residency-programs/

Fight On!