Welcome to the inaugural issue of the Alumni Newsletter for the USC Department of Orthopaedic Surgery! In partnership with the USC Graduate Orthopaedic Society (SOGOS), our goal is to publish new issues regularly to promote communication between the department, our alumni, current residents and faculty. We hope you find the newsletter a source of engaging information that helps you reconnect to the department and each other.

In addition, please visit our website keck.usc.edu/orthopaedic-surgery where you can find information on our monthly Grand Rounds, CME offerings, and access the KeckZine library for referring physicians.

I am pleased to report that we continue to enhance our clinical, research and educational programs. Our new office site on the USC Verdugo Hills Hospital campus (1818 Verdugo Blvd., Suite 300) opened in October. Our clinical volumes at VHH continue to grow at a steady rate. Drs. Paul Gilbert (joint replacement), Alexander Weber (sports medicine and hip arthroscopy), Raymond Hah (spine surgery) and Eric Tan (foot and ankle) are now established members of the San Gabriel Valley medical community. This fall Adam Lee, MD joined us on the Keck Campus and at LAC+USC Medical Center. Dr. Lee is an orthopaedic traumatologist who completed a fellowship in orthopaedic traumatology at Vanderbilt University Medical Center.

The department’s basic research programs are growing steadily and as a result we have moved into new space in the Norris Research Tower which will facilitate the recruitment of additional research faculty. On the educational front, Drs. Daniel Oakes (Program Director) and Reza Omid (Assistant Program Director) are working with the faculty to re-align some of the clinical rotations to maximize the residents’ operative experience. In addition, Dr. Rick Hatch is developing a new cadaver lab curriculum that focuses on surgery using cadaveric specimens to enhance the operative skills of the residents.

We hope to see you at grand rounds and other events throughout the year.

Best,

Jay R. Lieberman, MD
Professor and Chair
Department of Orthopaedic Surgery
Keck Medicine of USC
Professor of Biomedical Engineering, Viterbi School of Engineering
President, USC Care
HOW HAS ORTHOPAEDIC SURGERY TRAINING CHANGED IN THE LAST 10 YEARS?

The field of orthopaedic surgery has changed tremendously. Procedures previously performed openly are now done arthroscopically. Hip and knee replacement surgeries are moving towards single night stay or outpatient surgery. New technologies such as robotic assistance for hip and knee replacements have been developed. Biologic therapies continue to advance.

Training today needs to be much more facile in adapting to the rapidly changing practice environment. Our residents need to master a wider breadth of material in a shorter period of time. Changes to resident work hours, now capped at 80 hours a week, require a teaching program to be more efficient in how and when we teach so that we can maximize the learning environment.

We continue to recruit the best and the brightest residents and fellows from medical schools across the country. The first year resident today clearly has a more advanced background in orthopaedic research than many of us did when we started our training programs. This enhanced level of preparation allows teaching and research at a more advanced level right from the start.

As operating room efficiency and throughput is the focus of every medical center, the development and use of surgical simulations is essential to maintaining a thriving learning environment and an efficient operating room. The ability to get repetitions in prior to the actual surgical procedure makes for better trainees and surgeons. Support for virtual training and haptic simulators is necessary for a modern day program to thrive.

HOW IS USC ORTHO ADAPTING TO CHANGING NEEDS IN TRAINING?

Over the past four years, we have revamped the training curriculum, including the core curriculum which is the backbone of the educational program. As a result, our program has scored in the 90th percentile nationally the last three years on the Orthopaedic In-Training Exam and the number of residents scoring above the 90th percentile individually continues to rise. We have had a resident score in the 100th percentile each of the last three years.

In addition, resident rotations were reorganized to maximize operative experience. One of the key fundamentals for a young surgeon today is the development of arthroscopic skills. We moved some arthroscopic heavy rotations to the PGY2 and PGY3 years which has improved arthroscopic skills across the program and has allowed the more senior residents to perform more complex procedures during their later training years. And across all service lines, we are integrating cutting edge technology into the training program.

WHAT IS THE BIGGEST CHALLENGE TODAY IN ORTHOPAEDIC EDUCATION?

As with many other areas of education, funding is always the biggest challenge. Partnerships with industry are more difficult than ever before. Philanthropy is really one of the key ways to develop and sustain a top training program. With increased support, we can better respond to the needs of our residents and fellows, foster their individual strengths, and incorporate new technology such as virtual reality simulation. Our top funding priority is the establishment of a Bioskills Lab dedicated to full-time simulation, surgical skills development, and cadaver labs. Such a facility would greatly increase opportunities for our residents and fellows to hone their skills and practice advanced techniques.

WHAT STANDS OUT ABOUT THE USC ORTHO RESIDENCY PROGRAM?

The commitment to resident education that permeates the program. We have a tremendously dedicated faculty both on the main USC Health Sciences Campus and on our off-campus rotations. We have a strong alumni presence among the faculty demonstrating a lifetime of commitment to the USC Orthopaedic Residency Training Program. Our dedicated alumni who have continued to support the program through their contributions to SOGOS is another outstanding feature of the program as this has helped sustain some of our training initiatives. Our alumni are not only supporting their training program but are helping to train many of their future practice partners.
MESSAGE FROM THE USC GRADUATE SOCIETY OF ORTHOPAEDIC SURGEONS (SOGOS)

Hello everyone,

As the incoming president of SOGOS, I am proud to welcome you to our first alumni newsletter. The newsletter is a result of a recognized need for a communication vehicle to bring the over 600 members of the USC orthopaedic alumni network closer together, AND, to bring our alumni “back home” where their careers started. It will serve as a diverse forum – to include information on new residents, new faculty profiles, exciting research currently being conducted, alumni recognition, networking opportunities, fundraising projects and donation goals, and updates of how YOUR dues and donations are orthopaedic education and training. Our hope is that with this newsletter, you will feel a live connection to the USC Department of Orthopaedic Surgery and to the training program.

I would like to take a moment to thank Dr. Chris Allison, our outgoing president, for his dedication over the past few years. Chris will continue to serve as a member of the SOGOS board and remain closely involved. Additionally, I would like to introduce Dr. Raymond Hah, a graduate of the Class of 2014, as our incoming treasurer. Ray is currently on faculty at USC, as an assistant professor in the department, specializing in spine surgery.

And, we need YOUR help! In addition to making your annual dues contribution which enables us to fund SOGOS activities and support requests we receive from the residents, please consider joining us and serving as a volunteer.

Please feel free to reach out to me at any time with suggestions for the newsletter, events and programs or to discuss ways you can get involved at mchong01@gmail.com.

Thank you for your support of SOGOS and USC Ortho! Fight On!

Best,

Matthew Chong, USC Ortho Resident Class ’11
President, USC Graduate Orthopaedic Society

CALENDAR OF EVENTS

Grand Rounds: December 21, 2017
5:30PM Reception, 6PM Lecture
USC Health Sciences Campus, Aresty Conference Center
Eric Giza, MD | University of California, Davis
“Modern Treatment Algorithm for the Osteochondral Injury of the Talus”

Grand Rounds: January 18, 2018
5:30PM Reception, 6PM Lecture
USC Health Sciences Campus
Speaker: Chip Routt, M.D. | University of Texas Health Science Center at Houston
“Pelvic ring injuries - What I’ve learned”

Herbert Stark, MD Memorial Lecture
January 24, 2018
Orthopaedic Institute for Children

Grand Rounds: February 8, 2018
5:30PM Reception, 6PM Lecture
USC Health Sciences Campus
Speaker: Paul A. Anderson, M.D., M.S. | University of Wisconsin Spine, title TBA

AAOS Annual Meeting: March 6-10, 2018
SOGOS Alumni Reception at AAOS
Thursday, March 8, 2018 | 5-9PM
Mason Dupuy Hotel
1001 Toulouse St, New Orleans, LA 70112

Joseph H. Boyes, MD Memorial Lecture
Thursday, March 15, 2018 | 5:30PM Reception, 6PM Lecture
USC Health Sciences Campus
Peter Waters, MD | Boston Children’s Hospital & Harvard Medical School

2018 Resident Research Day and Annual SOGOS Meeting
Friday, June 22, 2018 | 7:30AM-3PM
Visiting Professor: Paul Tornetta III | Boston University School of Medicine
MEET THE RESIDENTS
CLASS OF 2018

Nathanael Heckmann, MD*
Luke Nicholson, MD*
Tracey Didinger, MD
Michael Stefl, MD
Brock Foster, MD
Jessica Intravia, MD
Michael Stone, MD
Jesse Kaplan, MD
Daniel Tran, MD

ONLINE DUES COLLECTION
NOW AVAILABLE

Your support makes it possible for SOGOS to host important networking activities including the annual reception at AAOS and the SOGOS lecture, and to fund requests from the residents for needs such as travel grants to present papers at national conferences.

Alumni dues can be made online at www.sogos.org or sent to the following address:

SOGOS
c/o Keck School of Medicine
1975 Zonal Avenue, KAM 300
Los Angeles, CA 90033

SOGOS VOLUNTEER OPPORTUNITIES

SOGOS Board Members
Join the leadership group of SOGOS and guide activities and programming that help foster the community of USC orthopaedic resident and fellows.

Class Agents
Serve as a liaison from your resident class or fellowship program to help bridge the connection between alumni, SOGOS and the department.

AAOS Reception Staffing
Greet fellow alumni and current residents at the SOGOS annual reception during the academy meeting on Thursday, March 8th. Thirty minute shifts available between 5-9pm.

Alumni volunteer opportunities at the USC Department of Orthopaedic Surgery are also available including staffing for surgical skills labs, reviewing resident research papers, and medical student shadowing opportunities.

To learn more, please contact:
Kelly Turner
Director of Development, USC Department of Orthopaedic Surgery
kelly.turner@med.usc.edu | (323) 442-6984

Matt Chong ’11
President, USC Graduate Orthopaedic Society
mchong01@gmail.com

* Chief Resident
CONGRATULATIONS!
to the Class of 2017

ORTHOPAEDIC SURGERY RESEARCH DAY AND SOGOS ANNUAL MEETING

Thank you to SOGOS for their support and to all of our alumni who participated in Resident Research Day and the SOGOS Annual Meeting on June 16, 2017. Please join us in congratulating this year’s research award winners, Dr. Taylor Dunphy and Dr. Jessica Bear, and Chief Resident Dr. Michael Charles, the 2017 recipient of the Epstein Award for outstanding service and leadership.

AWARDS:

Taylor Dunphy, MD — 1st Place
Surgical Treatment of Distal Biceps Tendon Ruptures: An Analysis of 784 Surgical Repairs

Jessica Bear, MD — 2nd Place
Infection Rates of Low-Velocity Gunshot Femur Fractures Treated without Surgical Debridement

Michael Charles, MD — Epstein Award
Presented by Raymond Hah, MD on behalf of SOGOS

CLASS OF 2017 FELLOWSHIPS

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<tr>
<th>Graduating Senior</th>
<th>Fellowship</th>
<th>Fellowship Institution</th>
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<tbody>
<tr>
<td>Jessica Bear</td>
<td>Trauma</td>
<td>Hospital for Special Surgery</td>
</tr>
<tr>
<td>Michael Charles*</td>
<td>Shoulder/Elbow</td>
<td>Rush University</td>
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<tr>
<td>William Croom</td>
<td>Sports Medicine</td>
<td>Congress Medical Associates</td>
</tr>
<tr>
<td>Taylor Dunphy</td>
<td>Sports Medicine</td>
<td>Keck Hospital of USC</td>
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<tr>
<td>Patrick Hill</td>
<td>Spine Surgery</td>
<td>Hospital for Special Surgery</td>
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<tr>
<td>Bradley Johnson*</td>
<td>Spine Surgery</td>
<td>New York University</td>
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<tr>
<td>Pavel Moldavskiy</td>
<td>Hand Surgery</td>
<td>Thomas Jefferson University</td>
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<tr>
<td>Paramjit Singh</td>
<td>Spine Surgery</td>
<td>University of California San Francisco</td>
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<tr>
<td>Justin Tilan</td>
<td>Trauma</td>
<td>Washington University in St Louis</td>
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<tr>
<td>Siamak Yasmeh</td>
<td>Spine Surgery</td>
<td>University of Wisconsin</td>
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* Chief Resident
WE WANT TO HEAR FROM YOU!

Please help us make the newsletter a fully electronic communication by providing us with your email address. Send a note to sogos@med.usc.edu.

WE NEED YOUR EMAIL ADDRESS!

Update your contact information, share news of your own or submit a story idea: sogos@med.usc.edu

For more information, visit us online at:
keck.usc.edu/orthopaedic-surgery
www.sogos.org

Support the USC Orthopaedic Resident Education Fund
keck.usc.edu/orthopaedic-surgery/support-us