Expert Care for Every Case
It is with great pleasure that I introduce the NorthShore University HealthSystem (NorthShore) Orthopaedic Institute 2017–2018 Annual Report. The summary we present here gives a glimpse of the world-class work our specialists perform at the NorthShore Orthopaedic Institute, from the development of cutting-edge techniques to some of the best quality and outcome results in the nation.

We care for the most complex cases—including revision hip and knee surgery, pediatric ACL reconstruction, revision spine surgery, and trochanteric fractures—using the most advanced technologies that include 3-D printing and robotic surgery. We are pioneering the use of minimally invasive procedures and regenerative medicine that can, in many cases, non-operatively address musculoskeletal injuries with biologic treatments. Our impressive quality and outcomes are the culmination of a tremendous team effort by our physicians, affiliated healthcare providers and administrative staff.

We have enjoyed tremendous growth over the past few years, becoming a leader in orthopaedic care. We have added numerous expert physicians in every subspecialty to treat the increasing number of patients who seek treatment here. We are a leading nationwide provider of joint and total joint replacement, and we offer a full complement of comprehensive, multidisciplinary programs that center around our patients—from children to geriatrics; patients coming with sports injuries, arthritis, spinal problems or anything in between.

Our quality, as ranked by the Centers for Medicare & Medicaid Services, puts us in the top 1.3 percent in the nation in readmissions, and our postoperative infection rates are less than half of the national average, which was too good to qualify for a new infection-preventing vaccine research study. We have been a leader in the implementation of departmental quality dashboards, and we are pioneering the use of predictive modeling to assist in the care of our most high-risk patients.

Care goes beyond the operating suite, and we work tirelessly to reduce patient recovery times, improve pain control and improve the specificity of our diagnostic technologies. The dedicated hospital staff, modern private inpatient rooms and compassionate care create an experience that is ranked in the top decile of orthopaedic hospital care by Hospital Consumer Assessment of Healthcare Providers and Systems scores, and contributes to the rapid recovery and restoration of function that are hallmarks of our care.

Another aspect of our mission is advancement of orthopaedics through research and education. We invest in groundbreaking research to develop cutting-edge technologies, diagnostic and devices that help our patients achieve remarkable results. As you peruse this report, you will see our pioneering work in regenerative medicine, tissue engineering, 3-D printing, robotic surgery and total joint replacement. We also educate dozens of students and physicians, in part through our close relationship with the prominent academic partner of the University of Chicago, and have an international reputation as a leader in surgical skills training and simulation.

Thank you for taking the time to get to know us. Our dedicated team of clinicians and our caring staff welcome you to look inside and learn more about how we continue to lead in restoring patients to an active and pain-free life. We have been able to accomplish so much, and we look forward to building on our successes in the future.

Jason L. Koh, MD, MBA
Board of Directors Endowed Chair of Orthopaedic Surgery
Director, the NorthShore Orthopaedic Institute
NorthShore University HealthSystem
Academic Appointment at University of Chicago Pritzker School of Medicine

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As patient needs (such as the desire to have care closer to home) change, we adapt the way we deliver care. In fiscal year 2017, approximately 10,000 orthopaedic and podiatric surgical cases were performed across NorthShore’s four hospitals, with approximately 2,500 additional cases performed in three affiliated surgicenters. Nearly a quarter of our surgical patients come from outside our 51 ZIP code service area.

By external measures, our excellent quality of surgical care continues to improve consistently as the NorthShore Orthopaedic Institute Divisions expanded subspecialty care in the NorthShore system. The hospital and surgical practices are supported by six Medical Group practice locations and more than five Illinois Bone & Joint Institute (IBJI) locations. All of our locations offer same-day appointments, radiologic services, physical therapy and durable medical equipment. In addition, some offices have access to sports performance programs and concussion evaluation and management.

Our Hospital Locations
Examination Hospital
2650 Ridge Avenue
Evanston, IL 60201

Glenbrook Hospital
2100 Pfingsten Road
Glenview, IL 60026

Highland Park Hospital
777 Park Avenue West
Highland Park, IL 60035

Skokie Hospital
9650 Gross Point Road
Skokie, IL 60076

Medical Group Locations
Chicago
880 N. Lake Shore Drive, Ste. 924
Chicago, IL 60611

Glenview
2180 Pfingsten Road, Ste. 3100
Glenview, IL 60026

Highland Park
177 Park Ave. West, Ste. 1341
Highland Park, IL 60035

Lincolnshire
600 Milwaukee Ave., Ste. 1000
Lincolnshire, IL 60069

Skokie
6650 Gross Point Road, Ste. 200
Skokie, IL 60076

Medical Group Walk-in Clinics
Chicago
880 N. Lake Shore Drive, Ste. 924
Chicago, IL 60611

Glenbrook Ambulatory Care Center
2180 Pfingsten Road, Ste. 3100
Glenview, IL 60026

Lincolnshire Medical Group
600 Milwaukee Ave., Ste. 1000
Lincolnshire, IL 60069

Skokie Hospital Ambulatory Care Center
6650 Gross Point Road, Ste. 200
Skokie, IL 60076

Illinois Bone & Joint Institute (IBJI) Locations
Arlington Heights
1540 E. Central Road
Arlington Heights, IL 60005

Bannockburn
2101 Waukegan Road, Ste. 110
Bannockburn, IL 60015

Glencoe
2401 Riverway Ste. 103
Glencoe, IL 60025

Morton Grove
9850 Waukegan Road, Ste. 100
Morton Grove, IL 60053

Wilton
1017 Goebel Drive
Wilton, IL 60090

IBJI OrthoAccess Immediate Care
Glenview
2401 Riverway Ste. 103
Glencoe, IL 60025

Gurnee
9845 Greenleaf Ave, Ste. 450
Gurnee, IL 60031

Lake Barrington
28105 W. Northpoint Pkwy, Ste. 224
Lake Barrington, IL 60040

Libertyville
7120 Florsheim Drive
Libertyville, IL 60048

Affiliated Surgicenters
Ravine Way Surgery Center
2300 Ravine Way, Ste. 600
Glenview, IL 60025

Orthopaedic Specialities of the North Shore
4303 W. Thirty Ave, Ste. 301
Lindenwirth, IL 60012

Sameday Surgery Network River North
One East Erie, Ste. 300
Chicago, IL 60611

Office Locations
2 NorthShore Orthopaedic Institute
Annual Report 2017-2018
Services List

High-Quality Patient Care

NorthShore Orthopaedic Institute is nationally recognized for delivering the highest quality care to patients. Outstanding surgeons combined with an ongoing partnership and team approach for more than 30 years has resulted in a culture dedicated to the best possible care. The result is truly “best-in-class” outcomes, with the lowest statewide total joint readmission rates, ranked in the top 1.3 percent of hospitals in the nation.

Dxved complications and readmission rates are below the national average and continue to improve, while more than 10,300 cases per year are performed by our surgeons. Our outstanding nursing staff has been recognized by our Nursing Magnet designation. Our joint and spine programs earned the highest Blue Cross Blue Shield Blue Distinction rating, and we have been selected as the sole Chicago area United Health Care/Optum Center of Excellence for Orthopaedics and Spine for bundled care, recognizing our quality and value.

The expert surgeons of the NorthShore Orthopaedic Institute work together with nursing and administrative staff using technology advancements and sophisticated data analytics to continuously improve patient care. Dedicated care pathways and standardization have helped reduce variability, and virtual dashboards are provided to the team to continuously monitor patient outcomes.

We continue to invest in informatics, and now predictive modeling, to help use a data-driven approach to enhance our personalized patient care.

The Quality Committee, led by Arnold Cohn, MD, a member of the NorthShore Orthopaedic Institute affiliate practice the Illinois Bone & Joint Institute (IBJI), is charged with reviewing quality issues, implementing quality initiatives, and monitoring indications and complications of orthopaedic and podiatric surgery.

In the Spine Division, we achieved significant milestones in our efforts to decrease readmissions and surgical site infections based on the Center of Excellence benchmarks. Even as surgical volumes increase to nearly 1,000 cases per year, patient outcomes continue to improve, with only one return-to-surgery within 24 hours in 2016, and zero returns in 24 hours in 2017.

We continue to use data analytics to improve the monitoring and quality of our care, creating new dashboards for our physicians and care team. New predictive models for patient outcomes are being developed to help identify which patients would benefit from additional intervention based on individual factors. We are also expanding our collection of National Surgical Quality Improvement data to all four campuses, which provides risk-adjusted data for both inpatient and outpatient cases, as well as national benchmarking.

Orthopaedic and Podiatric Surgical Cases

Surgical volume grew by nearly 10 percent to more than 10,000 cases in 2017.
Outcomes

Low Hospital Readmissions
Compared against Centers for Medicare and Medicaid Services national averages, patients who undergo total knee and hip replacements at NorthShore Hospital Campuses, experience far lower readmissions than other hospitals across the country. Our low readmission rates earned us top designations in the nation and state.

Low Infection Rates
Cases of post-operative infection after total knee and hip replacement at NorthShore are less than half of the Centers for Medicare and Medicaid Services national averages.

New Physicians

Jamal Ahmad, MD  Foot & Ankle
Verena Schreiber, MD  Pediatric Orthopaedics
Brian Weatherford, MD (IBJI)  Trauma
Trevor Bullock, DO  Family Medicine Sports Medicine
Matthew Gardiner, MD  Surgery
Jordens Selvanes, MD  Sports Medicine
Trevor Bullock, DO  Family Medicine Sports Medicine
Ines Bohnleben, MD  Pediatric Orthopaedics
Christian Skjong, MD (IBJI)  Hand & Upper Extremity
Jordens Selvanes, MD  Sports Medicine
Matthew Cavallero, MD  Trauma
Alexander Touchen, MD  Multispecialty
Trevor Bullock, DO  Family Medicine Sports Medicine
Anne Marie Zeller, DO  Primary Care Sports Medicine
Ward McCracken, DO  Family Medicine Sports Medicine
Thomas Moran, MD  Family Medicine Sports Medicine
Diego Villacis, MD  Sports Medicine
Christian Skjong, MD (IBJI)  Hand & Upper Extremity
Stephen Wielgus, MD  Primary Care Sports Medicine
Jordan Goldstein, MD  Sports Medicine
Ward McCracken, DO  Family Medicine Sports Medicine

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Leadership

NorthShore Orthopaedic Institute Committees and Members

Executive Committee

Jason Koh, MD, MBA (Committee Chair)
David Beigler, MD (IBJI)
Leon Benson, MD (IBJI)
Mark Bowen, MD
Amanda Cohn, MD (IBJI)
Ariyah Shafie, MD

Drs. Victoria Brander and David Stulberg (both members of NOI) helped found Operation Walk Chicago, which sends volunteer clinicians to such countries as Vietnam, Nepal, and Brazil to provide hip and knee replacements at no cost to indigent patients, while training local orthopaedic surgeons and building lasting partnerships. Recently, Drs. Brander and Stulberg led a team of more than 50 physicians, nurses, and volunteers to Recife, Brazil on a two-week mission where they performed dozens of hip and knee replacement operations.

In addition, NorthShore Orthopaedic Institute physicians travelled to Katmandu, Nepal, to aid in disaster relief after the devastating earthquake. Their continued efforts have helped establish one of the few orthopaedic centers in the entire country to provide ongoing assistance to the community. Future projects include returning to Recife and Katmandu, as well as the Philippines.

Outreach

International Orthopaedic Missions

In 2005, Drs. Victoria Brander and David Stulberg led a mission to Nepal to provide hip and knee replacements to indigent patients with neglected, chronic pathology and post-traumatic deformity. Their continued efforts have helped establish one of the few orthopaedic centers in the entire country to provide ongoing assistance to the community.

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From developing new surgical techniques in regenerative medicine to the use of “big data” to track and predict patient outcomes, the researchers at the NorthShore Orthopaedic Institute continue to identify new ways to help transform patient care and treat the most complex cases. Over 90 scientific articles (see Publications, beginning on page 36) were published by our physicians during the past year in peer-reviewed literature, including award-winning papers and cover articles. Collaborative partners include NorthShore Research Institute, Illinois Bone & Joint Institute, University of Chicago, Rehabilitation Institute of Chicago, Northwestern University McCormick School of Engineering and Cleveland Clinic. Multicenter trials were also established with Mayo Clinic, the Hospital for Special Surgery, Cincinnati Children’s Hospital and other nationally recognized organizations.

A strong research team provides comprehensive assistance to investigators and physicians in the following areas: literature reviews, protocol revision, regulatory submission and annual reviews, patient screening, patient recruitment and enrollment, data collection, and study closure. In addition, the Orthopaedic Biomechanics Lab allows investigators to develop and test innovative new techniques for the treatment of musculoskeletal disorders.

Cutting-Edge Research

Partnering to Assess New Techniques for Knee Regeneration and Reconstruction

NorthShore researchers work closely with industry partners to develop and test new techniques to aid in the treatment of complex injuries and to make surgery more precise. Dr. Jason Koh helped develop the pivotal FDA trial to assess the ability of a scaffold-based autologous chondrocyte transplant system (Novocart 3D®-Avocell Biologics) to regrow cartilage to treat chondral defects of the knee.

Researching Mesenchymal Cell Allogeneic Grafts for Spine Surgery

In a constant pursuit to find treatments that improve fusion rates and patient outcomes, Mark Mikhael, MD, is conducting an independent study about the mesenchymal allogeneic graft (ViviGen®), which uses donor stem cells. Exploring work done in the lumbar spine, Dr. Mikhael is exploring the use of this novel graft to treat patients who have degenerative discs or spondylosis with nerve compression causing arm or neck pain or even paralysis. The disc material or bony spurs that are compressing spinal cord or nerve roots are first removed, then the spine is stabilized using implants along with the donor graft, which contains stem cells and proteins that send signals to the body to heal. Patients are evaluated at different points of their recovery through outcome surveys, X-rays and CT scans to assess healing. Dr. Mikhael said of the study thus far, “While it’s early in the research process, results to date are very promising. Every patient is experiencing very good outcomes and fusion is occurring. It’s exciting to see that this research may improve the way we treat these cases moving forward.”

Grant-Supported Studies Explore Regenerative Medicine Treatments for Knee Arthritis

The Department of Orthopaedic Surgery received the NorthShore University HealthSystem Auxiliary Fund Award for 2016 to 2018 (initial award $325,000), which provides the opportunity to advance research in the area of intra-articular platelet-rich plasma injections (PRP) in the treatment of knee osteoarthritis. This study, represented by Dr. Koh and Trevor Builock, DO, explores using a patient’s own bioactive factors which play a fundamental role in tissue healing. During a single visit, growth factors are retrieved from a simple blood draw and injected into the patient’s knee. The effects of PRP are assessed by patient-reported outcomes as well as using advanced qualitative MRI imaging techniques to assess cartilage.

Informatics

Physicians at the NorthShore Orthopaedic Institute identified the need for the organized collection of clinical data on patients, as well as patient-reported outcomes, for both quality and research endeavors. Under the leadership of Richard Wixson, MD, Vice Chair for Research and Informatics, new structured clinical documentation forms were built into the Electronic Medical Record (EMR), allowing for the efficient, accurate and complete collection of clinical information. Using existing data, NorthShore Orthopaedic Institute built one of the most robust predictive models for readmission and complications in joint replacement patients, which has astonishing accuracy. This allows our care team to provide targeted interventions to the patient who needs it the most.
Orthopaedics Biomechanics Laboratory

In 2014, the NorthShore Orthopaedic Institute established an Orthopaedics Biomechanics Laboratory to examine the mechanics of joint injury and develop and test new techniques to improve our physicians’ ability to help patients. The lab has the capability to perform single and multi-axis biomechanical testing; finite element analysis; contact pressure; and area, strain and motion analysis. Current research efforts focus on cartilage repair and regeneration techniques, as well as shoulder repair techniques. The work of the lab in such areas as meniscal damage and repair has been featured in the leading orthopaedic journals and has helped establish fundamental knowledge.

Advancing Ankle Replacement Surgery

In the mid-2000s, it was identified that first-generation ankle replacements were prone to early failure. It was at this point that Steve Haddad, MD, became involved in the design and implementation of three ankle replacement systems (INBONE II™, INFINITY™ and INVISION™, Wright Medical Technology). Dr. Haddad and the team first worked to create an implant that anatomically matches the three major bones of the ankle. He then worked to develop a second prosthesis (INFINITY) that removes less of the patient’s bone than prior implants. By preserving the patient’s natural bones, any future revision ankle replacement surgery becomes technically feasible. Finally, with the recently launched INVISION ankle replacements, surgeons can revise implants that have failed, even those that have failed with significant bone loss.

Most recently, Dr. Haddad received a $100,000 grant from the Orthopaedic Research and Education Foundation to study wear patterns among ankle replacements and improve durability. This is a critical element to making sustainable ankle replacements for the future, something Dr. Haddad considers to be the most important contribution to the next generation of surgeons.


Raju Ghate, MD, is working closely with Zimmer to investigate how custom patient-specific 3-D printed guides can enhance total knee replacement. The purpose of this clinical study is to assess the positioning of customized guides of Zimmer CAS PSI K-Ray knee using optical navigation in patients with osteoarthritis requiring primary total knee arthroplasty (TKA).

The proposed study is a single-center, prospective, case series, and non-controlled clinical trial. Patients will get a total of seven to nine radiographs depending on the anatomy of the leg to generate the CAS PSI X-Ray Knee guides. Primary TKA will be performed where the position of the CAS PSI Knee guides will be generated from X-ray and their position determined using Sesamoid™ Navigation System. The surgeon will determine to either move on with the CAS PSI Knee guides generated from X-ray or use currently approved instrumentation such as MRI-specific guides or conventional instruments.

Justifying Patellar Instability Treatment by Early Results (JUPITER)

Patellar instability and dislocation can be devastating to young patients, causing pain and loss of function, and can lead to arthritis. To determine the best possible treatment for these injuries, Dr. Koh and researchers from this hospital initiated “JUPITER”, a hypothesis-driven, multi-center, prospective cohort study. Its specific aims include comparing the results of non-operative and various surgical treatments, such as medial patellofemoral reconstruction (MPFL) for patients under the age of 30. Outcomes are assessed at 6, 12, 24, and 60 months, including assessment of function, activity, and quality of life. Joining Dr. Koh in participating are Drs. David Roberts and Verena Schreiber. Investigators from Harvard, the Mayo Clinic, and Shriners Hospital system have also joined this trial.
NorthShore Orthopaedic Institute Fellowships

Partnership with Rush Medical Center
Our podiatrists partner with Rush Medical Center to train podiatric residents who alternate supervision with NorthShore’s Michael Weisman, DPM, Division Head of Podiatry, and Podiatric Physician Leader, Jeffrey Alexander, DPM. There are now three podiatry residents per year, alternating rotations with Rush Medical Center for one year.

Sports Medicine
Our affiliated Sports Medicine Fellowship with the University of Chicago includes two sports medicine fellows who alternate every three months between NorthShore and the University of Chicago. Physician training is strong, and the sports fellows gain vast exposure to sports-related injuries by seeing the Chicago Bears training room and the Evanston Township High School training room.

Primary Care Sports Medicine
The Department of Family Medicine supports a Primary Care Sports Medicine Fellowship under the leadership of Carrie Jaworski, MD, Division Head of Primary Care Sports Medicine. The one-year, one-person fellowship is open to residents in primary care medicine or family medicine.

Academic Highlights

• Hand and Upper Extremity
We have a hand and upper extremity program with the University of Chicago that includes two hand fellows who alternate every three months between NorthShore and the University of Chicago. NorthShore’s involvement strengthens the University of Chicago’s hand fellowship program directed by Craig Phillips, MD, and our program alternates every six months.

• Joint Care
In 2016, we welcomed our first NorthShore-based hip and knee fellow under the leadership of Raj Pal, MD, Division Head of Adult Reconstruction. Our fellowship participates in more than 400 arthroplasty cases per year, through our annual Operation Walk Chicago mission trip, and helps generate peer-reviewed clinically relevant research.

• Foot and Ankle
In 2017, the strain Bone & Joint Institute orthopaedic surgeons introduced a new Orthopaedic Foot and Ankle Fellowship. This fellowship was created to cover the full breadth of foot and ankle pathology by faculty with special expertise in certain elements of this subspecialty. This other residencies will provide a comprehensive experience in training the next generation of orthopaedic foot and ankle specialists.

• Education and Motor Skills
The NorthShore Orthopaedic Motor Skills Lab, under the leadership of its founders Christian Skjong, MD, and Anand Srinivasan, MD, is designed to train our students, residents and fellows in arthroscopic surgery. The lab includes an arthroscopic simulator specifically designed to train our students, residents and fellows in arthroscopic surgery.

• NorthShore’s Physician Assistants and Interns
In addition to our fellowship programs, the NorthShore Orthopaedic Institute organizes and offers more than 25 physician assistant (PA) student educational programs throughout the United States. These didactics complete one month rotations with orthopaedic PA programs.

In 2016, we introduced an annual summer internship program for college students. The interns work alongside our surgeons performing face-to-face, online-based and/or remote PAPA rotation. Our program is prepared to educate him or her colleagues back home.
Roboticism in orthopaedic surgery has the potential to improve patient outcomes, speed recovery and improve the longevity of the implants," Dr. Puri says. Dr. Raju Ghate explains that he uses 3-D printed custom guides, because they "provide precision fit tailored to each patient’s anatomy, which may lead to improved recovery times.”

Total Joint Replacement Center
The Total Joint Replacement Center (TJRC) is a BCBS Blue Distinction Center. The national recognition is based on treatment expertise, number of procedures performed annually and patient outcomes. It is also recognized as United Health Care’s Chicago-Area Center of Excellence, and is ranked as “high performing” in hip and total knee replacements by U.S. News & World Report. With an over 30-year history, the TJRC offers care coordination, including “Joint Camp,” presurgical education, standardized care pathways and rehabilitation. Rapid recovery joint replacement incorporates minimally invasive technique, comprehensive patient education, individualized pain management and focused physical therapy, which allow patients to start walking the same day as surgery. Patients can even be released from the hospital the same day.

Arthritis Center
The comprehensive, multidisciplinary Arthritis Center is a combined effort between physicians from orthopaedic surgery, rheumatology, and physical medicine and rehabilitation. The program is designed to use team-based approaches to provide the appropriate level of care necessary for each patient. This coordinated care center offers expert diagnostic and treatment options for the arthritic patient based on individualized treatment plans that include state of the art research trial opportunities, and both surgical and nonsurgical options.

Robotic Surgery
Robotic surgery is performed by a multidisciplinary team effort,” explained Dr. Puri. “One of the real values we demonstrate is the pride and compassion in the patient care we deliver—from physical to emotional to social.”

"Modern-day joint replacement surgery really requires, more so than ever, a multidisciplinary team effort," explained Dr. Puri. "One of the real values we demonstrate is the pride and compassion in the patient care we deliver—from physical to emotional to social.”

The NorthShore Orthopaedic Institute’s total joint clinical outcomes continue to be among the best in the country. According to the Centers for Medicare & Medicaid Services, NorthShore’s readmission and surgical site infection rates are lower than other hospitals across the country for both hip and knee replacement.

Precision Reconstruction with Computer-Assisted and Robotic Surgery
Technologies such as computer navigation and patient-specific instrumentation continue to help drive accuracy, outcomes and speed recovery in orthopaedics. The NorthShore Orthopaedic Institute has expanded its robotically assisted and precision implant joint arthroplasty program, adding a second robot at the Skokie campus and adding robotically assisted total hip arthroplasty and total and partial knee arthroplasty to our services.

In addition to this work, Dr. Kudrna is most proud of teaching and training his orthopaedic surgeons at the NorthShore Orthopaedic Institute and the surrounding area. He is extremely confident that he is “leaving the shop in good hands.” Though Dr. Kudrna is nearing retirement, he plans to stay on as a mentor and continue teaching and performing research.

Leaving Orthopaedics in Good Hands
When James Kudrna, MD, PhD, arrived at NorthShore in the 1980s, joint replacement was still relatively new, and patients were spending 21 days in the hospital after hip or knee replacement. Dr. Kudrna and a small committee created a then-revolutionary plan for a five-day stay after joint replacement. Over the years, this plan has been refined, and care pathways modeled on this effort were implemented across NorthShore, resulting in improved outcomes and experiences.

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Given the depth and breadth of expertise on our team, we are able to address all spinal pathology, including degenerative conditions, tumor, trauma, and adult and pediatric deformity. We continue to enhance patient access and recently expanded our presence in Lake County with the opening of our new Lincolnshire outpatient facility. In 2017, we grew by 13 percent, performing more than 900 surgical cases.

The NorthShore Spine Center
In collaboration with the Departments of Neurosurgery and Physical Medicine and Rehabilitation, we successfully launched the NorthShore Spine Center for the treatment of all spinal disorders, both surgical and nonsurgical. We see new consults within seven days of referral and urgent consults the same day.

Through leadership in both orthopaedic and neurological surgery, the spine surgery service at NorthShore is recognized as a Center of Excellence and a preferred provider with several insurers and third-party payors. Our focus on spine standardization allowed us to achieve this recognition. Standardization efforts involved developing and implementing quality of care initiatives, inpatient care protocols and pathways, cost containment strategies on implants and biologics, and strategies aimed at reducing patients’ length of stay in our hospitals. We continue to exceed benchmark goals in reducing perioperative complications resulting in readmission and are continually striving to improve patient care. Our physicians and nurses work together to hold regular presurgical patient educational classes, and we recently composed a comprehensive educational booklet to help our team fully prepare patients for surgery, their inpatient stay and recovery.

To meet the increasing patient volume, we also worked diligently to create two fully equipped—and more importantly, well-staffed—spine surgery services at both the NorthShore Evanston and NorthShore Skokie Hospital campuses. New technologies in the realm of computer-assisted navigation and minimally invasive spine surgery keep us on the forefront of care.

Motion-Preserving Technologies
The Spine Division is partnering with neurosurgery and industry to develop new motion-preserving technology, such as cervical arthroplasty. Instead of removing the cervical disc and completing a fusion, doctors use prosthetic implants to preserve motion and avoid fusion. “Especially in younger patients, this technology can improve the range of motion of the neck instead of limiting it with a fusion,” Dr. Nolden noted. “It’s an extremely promising method.”

Academics and Research in Regenerative Medicine
Division members work closely with residents from the University of Chicago, teaching future surgeons the latest techniques and standards of spine implant and clinical care. Collaborative outcomes-based and new device research projects are ongoing with our colleagues in neurosurgery; our goal this next year is to increase our research efforts and accomplishments. Our attending surgeons regularly host outreach programs to educate residents and healthcare providers in our community on the options available for comprehensive spine care.

Physician Specialists
Mark Nolden, MD
Jonathan Gruver, MD
Purnendu Gupta, MD
Eldin Karaikovic, MD, PhD
Mark Mikhael, MD
Srdjan Mirkovic, MD
Gary Shapiro, MD

The NorthShore Spine Center
Annual Report 2017-2018
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The Division of Sports Medicine includes fellowship-trained orthopaedic surgeons and primary care specialists who treat sports injuries for professional and amateur athletes of all ages. Orthopaedic surgeons in the Sports Medicine Division provide the latest arthroscopic and minimally invasive care for many common sports injuries and conditions, including complex hip, patellofemoral and pediatric issues. Members of the Division also perform complex shoulder reconstruction and replacement. The addition of primary care sports medicine specialists allows for improved efficiency and greater access for patients via convenient walk-in clinics. “We have a tremendous amount of experience with sports medicine, and our physicians offer the highest level of orthopaedic care across all subspecialties,” said Mark Bowen, MD, Division Head of Sports Medicine. “We also take care of some of the finest athletes in Chicago, as well as athletes at beginner levels.”

Dr. Bowen has served as Head Team Physician for the Chicago Bears for over 25 years.

The NorthShore Orthopaedic Institute offers a unique, comprehensive sports medicine program focused on keeping serious competitors and weekend warriors active both in life and in the game. Our highly skilled physicians have cared for professional athletes on teams that include the Chicago Bears, Chicago Blackhawks, Chicago Cubs, Chicago Fire, USA Hockey, USA Rugby and USA Soccer. We perform Chicago Marathons, competitions. Our physicians are also actively involved in research and teaching, and train new University of Chicago sports medicine fellows a year (two in orthopaedics, one in primary care sports medicine). We also have a unique comprehensive sports medicine program focused on keeping serious competitors and weekend warriors active both in life and in the game. Our highly skilled physicians have cared for professional athletes on teams that include the Chicago Bears, Chicago Blackhawks, Chicago Cubs, Chicago Fire, USA Hockey, USA Rugby and USA Soccer. We perform Chicago Marathons, competitions.

A Minimally Invasive Alternative to Traditional Anterior Cruciate Ligament (ACL) Repair

Mark Bowen, MD, is involved in the development of a new ACL repair technique that uses a patient’s own hamstring tendon to create a graft ligament. “There are many ways to reconstruct an anterior cruciate ligament, and traditional methods involved using grafts that require significant trauma to the knees,” noted Dr. Bowen. “Though some trauma to the knees is unavoidable, this new method can help avoid some unnecessary pain and a longer recovery.”

“We take less trauma, we place the graft in from the inside, and we accomplish the surgical technique while traumatizing the knees as little as possible,” noted Dr. Bowen. “The results have been very good.”

Regenerative Medicine

The NorthShore Orthopaedic Institute recently added Trevor Bullock, DO, to its primary care sports medicine team. He is working with Jason Koh, MD, MBA, and Adam Bennett, MD, on research related to regenerative medicine. Dr. Bullock is one of NorthShore’s experts on the use of this minimally invasive treatment in orthopaedics. With the addition of Dr. Bullock, NorthShore now offers its patients access to an innovative technology that enables patients’ own adult stem cells to repair injured tissues, reduce inflammation and help reduce pain. “We have a very active research and a biomechanics laboratory that collaborates with many members of the Division,” Dr. Bowen explained, “and its extremely promising work.”

Physician Specialties

Mark Bowen, MD (Division Head)
Patrick Birmingham, MD
Marc Breslow, MD
Eric Chehab, MD
Bradley Culpin, MD
Jason Kim, MD, MBA
Steven Levin, MD
Gregory Poffenbarger, MD
Richard Sherman, MD
Joseph Sweeney, MD, Shifteh
Diego Villacis, MD

Primary Care Sports Medicine

Carrie Jaworski, MD (Division Head)
Adam Bennett, MD
Eric Hoeper, MD
Hallie Labrador, MD

NorthShore Medical Group Physicians

World McCloud, DO
Thomas Moore, MD
Stephen Wagle, MD
Anne Marie Zeller, DO

Illinois Bone & Joint Institute Physicians

Dr. Mark Bowen
Division Head of Sports Medicine

Dr. Mark Bowen
An Artificial ACL

In collaboration with researchers from the McCormick School of Engineering at Northwestern, Dr. Jason Koh has been working on biocompatible scaffolds to replace damaged tissue. The citric-acid-derived scaffold developed for bone and cartilage regeneration was featured as a cover article in *Tissue Engineering*.

More recently, they developed and tested an artificial ACL made completely of biocompatible materials that can serve as a scaffold for bone and soft tissue regeneration. This artificial ACL was recently the cover article for the Journal of Tissue Engineering and Regenerative Medicine.

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The Hand and Upper Extremity Division cares for both complex and routine hand and upper extremity injuries and diseases. The Division offers a broad range of interventions, from complex microsurgery to the latest, innovative, minimally invasive treatments. Our physicians provide care for arthritis, congenital conditions, acquired pathology, hand and shoulder injuries, and all types of trauma. The overall size and scope of the Division of Hand and Upper Extremity at NorthShore continues to expand steadily. The growth in patient volume allows for an increase in the number of upper extremity specialists, the use of new technology, and the depth and reputation of the teaching program.

“I think it’s the commitment of the doctors in our Division that makes us good caregivers,” said Leon Benson, MD, Division Head of Hand and Upper Extremity. “I think that when you look at it, this business is mentally and physically tough unless you love doing it. And our physicians love providing top-notch care to patients with hand and upper extremity injuries.”

Focus on Advancement
The development of innovative implant designs for the treatment of various hand and upper extremity fractures allows the use of smaller, stronger and biologically more compatible hardware. Less invasive methods of managing Dupuytren’s contractures and various upper extremity tendinopathies, including tennis and golfer’s elbow, greatly reduced the need for open surgical treatment.

First-Rate Fellowship and Residency Programs
The academic involvement of the Division continues to expand due to the addition of a Hand and Upper Extremity Fellowship. The previous “apprenticeship” style fellowship, which existed at the University of Chicago until 2010, changed into a broad-based academic program due to expanding the program to two fellow per year. A fellowship candidate is at the NorthShore Orthopaedic Institute campus full-time, and many of this Division attending surgeons are key mentors.

Over the last six years, our residency training have received consistently high evaluation marks because we offer aspects of orthopaedic most residents do not encounter anywhere else. Because of our many locations, and the higher volume of everyday orthopaedic injuries we see as a result, NorthShore trainees are exposed to more common practice surgeries than they might on another service.

“Orthopaedic residents at the University of Chicago like their rotation with us primarily because the attendings are committed,” said Dr. Benson. “And committed usually means a couple of things in my experience as an educator—It’s not only being able to provide them a good educational experience, but there’s an element of fun. It’s got to be fun.”

Physician Specialists
Leon Benson, MD (Division Head)  Seth Louis, MD  Craig Phillips, MD  Christian Seagren, MD
Charles Carroll, IV, MD  Robert Grey, MD

Dr. Leon Benson
Division Head, Hand and Upper Extremity
Vice Chair of Academics and Affiliate Affairs

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The Foot and Ankle Division consists of fellowship-trained surgeons who care for the most complex cases. In addition, the Division of Foot and Ankle works collaboratively with members of the Division of Podiatry. Our specialized foot and ankle surgeons are known locally, regionally and nationally for innovative and state-of-the-art techniques, including the most complex procedures, such as primary and revision total ankle replacement and complex hind foot reconstruction. In addition, new techniques and care pathways advance outpatient surgeries, streamlining therapies and expediting rehabilitation to move patients back to their prior level of function as quickly and as easily as possible.

Complex Total Ankle Replacement

Surgeons at NorthShore perform some of the most challenging cases in foot and ankle surgery: revision ankle replacement. Steven Haddad, MD, a past president of the American Orthopaedic Foot & Ankle Society and member of the Division, helped develop new instrumentation and implants to assist in treating those patients suffering from a failed ankle replacement. NorthShore has become a destination for the treatment of these complex problems and is a leading center in performing ankle replacement surgery.

Smaller Incisions, Faster and Easier Recoveries

The Foot and Ankle Division is focused on performing more arthroscopic procedures due to the various benefits patients experience, including smaller incision sizes, less pain and shorter recovery times. "We're using more biologics, bone morphogenic proteins, ultrasound bone stimulators and thoughtful use of platelet-rich proteins, all of which hasten the healing process," said Amy Jo Ptaszek, MD, Division Head of Foot and Ankle. The surgeons also work closely with orthotists, who create precise custom or semicustom orthotics, allowing patients to avoid having to live with unhealthy and restrictive casts and splints.

Hydrogel Implants for Great Toe Arthritis

The need for treatment can stem from trauma, arthritis, heredity or even an improper gait, noted Dr. Ptaszek. "We monitored the literature very closely for several years to examine the outcomes and durability of the Cartiva® implant. The gold standard in treating the great toe has long been fusion, but now we can provide an alternative that retains the patient's motion safely while reducing pain." Remarkably, patients can bear weight on their affected foot immediately and even walk the same day as surgery.

Little Feet, Big Pain

Even little feet can experience foot problems. When a child has flat feet, sometimes his or her bones and joints can handle the alternative alignment easily. Often children are not so lucky. The inversion of an implant, this subtalar arthrodesis screw, provides great relief to our pediatric patients. The screw is implanted through a minimally invasive procedure that is designed to correct the alignment of bones, particularly as the child grows.

For the foot develops over time, the tendons around the implant will strengthen in the appropriate places to prevent the severe issues that can arise from a flat foot," Dr. Ptaszek explained. This treatment can prevent the need for surgical correction. "It's a very effective way for young patients to prevent pain and malformation of the foot over time."

Physician Specialists

Amy Jo Ptaszek, MD
Jamal Ahmad, MD
Lan Chen, MD
Steven Haddad, MD
Armen Kelikian, MD
Steven Kodros, MD
Alan League, MD
Bryan Waxman, MD

NorthShore medical staff physicians

NorthShore is an equal opportunity employer and a drug-free work environment.

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At the NorthShore Orthopaedic Institute, the Division of Trauma provides unparalleled quality and timely service to all patients who present to NorthShore University HealthSystem facilities with traumatic orthopaedic issues. Led by Division Head, David Beigler, MD—along with doctors Brian Weatherford, MD, and Matthew Cavallero, MD—the trauma program provides state-of-the-art care for many complex injuries.

Over the past few years, Dr. Beigler and his team have seen a high percentage of trauma issues related to the age of area residents. “In the North Shore, we have a lot of patients who have had the good fortune to live long lives,” said Dr. Beigler. “With long lives come age-related issues, such as osteoporosis, and low-energy trauma.” In response to this pattern, Dr. Beigler and the Division Heads of the NorthShore Orthopaedic Institute are developing programs and practices that expand the care provided to trauma patients.

Holistic Approach to Care and Outstanding Outcomes

In an effort to provide orthopaedic patients a holistic approach to their care and to combat the risks of morbidity and mortality associated with geriatric fractures, the Trauma Division established partnerships with other divisions within the NorthShore Orthopaedic Institute. For the past five years, the Division applied a dedicated co-management program to approach the treatment of geriatric issues at both the surgical and osteoporotic levels. Through ongoing coordination with David Lovinger, MD, and the hospitalist team, orthopaedic patients receive critical, coordinated care related to their rehabilitation and overall well-being.

This program, coupled with a full armamentarium of state-of-the-art equipment and specially trained staff, provides patients a 360-degree approach to care for these patients. The rapid care pathway reduces time patients spend in bed; decreases post-surgery issues, such as pneumonia; and lessens patient need for narcotics.

Hands-On Skills Education

To ensure that all staff maintain a high standard of excellence in patient care, the Trauma Division conducts ongoing in service education sessions. These in service sessions cover the various operating room tables, address commonly used internal and external fixation systems, and offer hands-on educational experiences for operating room personnel.

Orthopaedic Trauma Rapid Care

Beginning in 2017, a multidisciplinary dedicated orthopaedic trauma rapid care pathway was implemented to ensure surgical treatment of patients within 24 hours of admission. Coordinated care protocols supported by the Emergency Department, hospitalists, anesthesiologists and nursing staff for streamlined evaluation and triage. Led by Drs. Beigler, Weatherford and Cavallero—following fellowship-trained orthopedic surgeons—the dedicated trauma rooms at NorthShore Glencoe Hospital allow the Trauma Division to expedite care for patients presenting at any of the four hospitals. Supported by the Level 1 Trauma Center designation at Evanston Hospital and all three hospitals, the trauma program provides advanced care for many complex injuries.

As time is a critical factor in the morbidity and mortality of trauma, especially with hip fracture patients, a dedicated trauma operating room provides treatment to patients within 24 hours of injury. While the Division already has outstanding quality, this new approach expedites care for these patients.

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Physician Specialists

David Beigler, MD  Division Head  NorthShore Medical Group Physicians
Matthew Cavallero, MD  NorthShore University HealthSystem Physicians
Scott Cordes, MD  NorthShore Medical Group Physicians
Rajeev Gaspell, MD  Illinois Bone & Joint Institute Physicians
Brian Weatherford, MD  Illinois Bone & Joint Institute Physicians

The Trauma Division is truly a center of excellence for geriatric orthopaedic care. By building on its record of success through continual cooperation with colleagues in other departments and ongoing efforts from staff from the Division head down, the Division will continue to define and exceed the standards for patient care in the field.
The Division of Podiatry offers a range of comprehensive services from expert wound care and bunion removal to treating sports injuries and saving limbs. Collaboration with podiatrists allows treatment of nonsurgical foot and ankle conditions through modalities such as medication injections and orthotic footwear to decrease pain and improve function.

While there is some overlap between the foot and ankle team and the podiatry specialists, the podiatrists offer a number of additional services. Michael Weisman, DPM, Division Head of Podiatry, describes podiatrists as “a little bit of dermatologist, neurologist, orthopaedist and palliative care provider. We treat all systems located in the foot.”

Dr. Weisman, who has been the Division Head of Podiatry for 17 years, has more than 30 years of podiatric experience. While podiatry runs in his family—his father was and his brother is a podiatrist—he will tell you the real reason he practices is because it is a great source of “satisfaction to know that I can help relieve someone’s pain and provide comfort.”

New Techniques to Improve Patient Outcomes

The Podiatry Division is constantly investigating ways to improve the work it has been doing for years, such as exploring new ways to correct bunions or repair hammertoes. Many of our podiatrists are active in foot and ankle research. One area of research is to evolve the use of stem cells to treat plantar fasciitis and Achilles tendon issues. Today, to treat plantar fasciitis, we draw a patient’s blood and mix it with platelet-rich plasma and inject the mix into the plantar fascia. This technique allows us to take a chronic, nonhealing injury and push it to physical repair, leaving a patient pain-free and back on his or her feet.

The team is also exploring options in the treatment of osteoarthritis. Typically, implants bone plates and angular fixation devices are used to hold bones in their natural position. Recently, we started using Carls, a synthetic cartilage implant. Carls is implanted in the first metatarsophalangeal joint, and is designed to repair hammertoes and treat degenerative or post-traumatic arthritis. This treatment option helps reduce pain for patients and allows patients to maintain or improve their range of motion.

Another area of interest is ankle stabilization. Many patients who come to the NorthShore Orthopaedic Institute have a history of rolling their ankles and benefit from ankle stabilization. Paul Goodman, DPM, is taking the lead on implementing a new ankle stabilization surgical procedure that allows patients to wear shoes within two weeks rather than the typical six weeks. Dr. Goodman and his team—including Raymond Montoya, DPM, and Bruce Nessen, DPM—have already completed 50 successful procedures.

Comprehensive Multidisciplinary Care for Rare Conditions

One example of the outstanding care provided at the NorthShore Orthopaedic Institute involved a young man in his late 20s who sought out Division Head Michael Weisman, DPM, for treatment of the pain and swelling in his foot. He had been suffering more than a year despite treatment by other doctors. A careful review of radiographs demonstrated an unusual bone tumor on the source of the pain. Dr. Weisman successfully reoriented the tumor and grappled the site with surgical tools to stimulate new bone growth. Further testing revealed that the young man had extraordinary tuberculosis myotis, a rare infection of tuberculosis in the bone. His care was coordinated with NorthShore infectious diseases specialists, who were able to eradicate his systemic tuberculosis.

Physician Specialists

Michael Weisman, DPM (Division Head)
Loren Adelman, DPM
Summer Bonza, DPM
Timothy Casey, DPM
Gary Friend, DPM
Carla Gamiz, DPM
Paul Goodman, DPM
Michael Hollander, DPM
Raymond Montoya, DPM
Bruce Nessen, DPM
Judd Fager, DPM
Gary Rogin, DPM
Douglas Slokey, DPM
Howard Sillow, DPM
Larry Weisman, DPM
Robert Zombolo, DPM

NorthShore Medical Group Physicians

Dr. Michael Weisman
Division Head of Podiatry
Pediatric Orthopaedics

The NorthShore Orthopaedic Institute offers comprehensive care for patients of all ages, including those from childhood to adolescence. Our fellowship-trained pediatric orthopaedic surgeons use leading-edge nonsurgical and surgical treatments to care for a wide array of pediatric orthopaedic conditions. Our specialists work as a team and use best practices to develop a care plan that best meets the needs for each individual patient.

Pediatric orthopaedic services continue to grow in 2017; our volume grew by 5 percent over last year. With Verena Schreiber, MD, recently joining the Division, we expect our volume to continue to grow, especially given our efforts to expand access to Glenbrook and Lincolnshire.

3-D Printing for Precise Planning

This technology allows surgeons to use a CT scan or MRI to print out an exact 3-D model for any part of the body. This ability allows the surgeon to obtain better understanding of the anatomy of congenital anomalies, scoliosis or other bone deformities than cannot be obtained with images alone. These insights enable surgeons to simulate surgery before going to the operating room, making the actual surgery more precise, efficient and safe.

David Roberts, MD, treated a 14-year-old boy who broke his elbow when he was age 6. Before he came to the NorthShore Orthopaedic Institute, a previous failed surgery left him with a significantly deformed and angled arm. His pain and deformity limited his ability to play sports and made him severely self-conscious about his appearance.

At the NorthShore Orthopaedic Institute, Dr. Roberts used advanced imaging and printing techniques to create a 3-D model of the boy’s elbow to precisely plan the surgical correction. Of this method, Dr. Roberts said, “There’s an old saying in carpentry—measure twice, cut once. With 3-D printing, we can plan on the model so we can get it right the first time operating on the patient.” A year after a successful surgery, the boy is completely healed with no pain, and he has regained full use of his elbow.

Meltta Casts for the Littlest Patients

For early-onset scoliosis, which affects children under age 2, Dr. Roberts is one of only a few Chicago-area surgeons specially trained in a nonsurgical treatment called Meltta casting. This corrective casting method can cure infantile scoliosis in most cases without surgery.

One 2-year-old girl affected by severe infantile scoliosis had a sharp curve of the spine that measured about 60 degrees. After corrective casting, the curve was corrected, and she is now a normal 5-year-old girl who did not have to undergo major surgery. More impressively, she did not allow the treatment to interfere with ballet dancing—in a glittery purple cast.

Magnetic Growing Rods Are MAGIC

Alexandra Cintron was born with scoliosis. When she was 9 and it was time for the curvature to be corrected, a friend of the family suggested that Alexandra see Dr. Roberts to learn about advanced treatment options. Dr. Roberts proposed a newly approved approach: MAGEC growing rods. These magnetic rods change length, which allows the child to avoidrepeat operations.

“We were thrilled that Dr. Roberts considered Alexandra a good candidate for the MAGEC rods,” said Alexandra’s mom, Arcelia Cintron. “We really wanted to avoid multiple surgeries for her.”

In the fall of 2016, Alexandra had successful surgery to implant MAGEC rods. Since then, she comes in every few weeks for a magnetic treatment to lengthen the rod. If you ask her how much she has grown, her eyes sparkle as she says proudly, “Almost two inches!”

For her mom and dad, that is the real magic. “They got to see their daughter standing proudly, growing strong and maintaining that smile; “We’re so grateful that Dr. Roberts is by our side. He treats Alexandra like she’s his own and truly cares for our entire family.”

Physician Specialists

David Roberts, MD

Verena Schreiber, MD

NorthShore Orthopaedic Institute, Annual Report 2017-2018
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* Member of Illinois Bone & Joint Institute
Select Department of Orthopaedic Surgery Publications

2017

- **A Randomized, Prospective Trial Investigating Does Implant Design Influence the Accuracy of Patient-Specific Instrumentation in Total Knee Arthroplasty?**
  - Goyal N, Patel AR, Yaffe MA, Luo MY, Stulberg SD.

- **Leavey BH, Griggs A, Shi M, Hardinge K, Schemitsch EH.**

- **A Randomized, Prospective Trial Investigating Does Implant Design Influence the Accuracy of Patient-Specific Instrumentation in Total Knee Arthroplasty?**
  - Goyal N, Stulberg SD.

- **Evaluating the Precision of Preoperative Planning in Patient-Specific Instrumentation: Does Implant Design Influence the Accuracy of Patient-Specific Instrumentation in Total Knee Arthroplasty?**
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Select Department of Orthopaedic Surgery Publications


Select Department of Orthopaedic Surgery Publications


Ankle Outcome Score for Hallux Valgus. Foot Ankle


A Josph Huston orthopaedic surgeon Dr. Leon Benson and therapy dog Cooper Big
Dr. Steven Haddad
Dr. Mark Mikhael
+ Member of Illinois Bone & Joint Institute
Top Doctor
Gregory Palutsis, MD
Srdjan Mirkovic, MD
Mark Mikhael, MD
Seth Levitz, MD
Steven Levin, MD
James Kudrna, MD, PhD

Select Physician Awards and Honors

Pardis B., Schwartz B., Stein D.S., Rocklage J., Shur R., Goldberg J.M., Goldberg W.M., Ritesh Shah, MD, Jeffrey Goldstein, MD, +
Wayne Goldberg, MD, +
American Academy of Orthopaedic Surgeons
Best Poster in the Practice Management classification, 2016 AAOS Annual Meeting
Craig Phillips, MD
Castle Connolly Top Doctor
Arsy Jaya Piuazek, MD
Castle Connolly Top Doctor
William J. Robb III, MD
American Academy of Orthopaedic Surgeons
2017 William W. Tipton Jr., MD Leadership Award

S. David Stulberg, MD
International Society for Technology in Arthroplasty,
Executive Director, 2017
Operation Walk Chicago, Chairman, November 2016 and 2016.
Kathmandu, Nepal
Ho Chi Minh City, Vietnam
Operation Walk Chicago, Chairman, 2011. Recife, Brazil
Castle Connolly Top Doctor

Diogo Vilaca, MD
American Shoulder Elbow Surgeons (ASES) Society
Nominated for the 2017 Charles S. Neer Award
Brian Hrubcik, MD
American Orthopaedic Foot & Ankle Society, Education Committee, 2017
American Academy of Orthopaedic Surgeons Orthromics, Section Editor, Foot and Ankle, 2017
Anne Maria Zeiler, DO; Michael P. Rowane DO; Chris Tangen, DO
American Academy of Orthopaedic Surgeons, Education Committee, 2017

Leadership in the Orthopaedic Community:
William J. Robb III MD receives Tipton Award
William J. Robb, MD, former Chairman of Orthopaedics, who for three decades has made exemplary professional contributions to the advancement of orthopaedic surgery, received the 2017 William W. Tipton Jr, MD Leadership Award. The Tipton Leadership Award recognizes physicians who have demonstrated outstanding leadership qualities that benefit the orthopaedic community, patients and/or the American public. The award honors and celebrates the life, accomplishments and qualities of the late William W. Tipton, Jr., an orthopaedic surgeon, educator and former American Academy of Orthopaedic Surgeons (AAOS) chief executive officer.

Over the past 10 years, Dr. Robb has spearheaded an effort to establish a new culture of safety in orthopaedics which has broader national surgical community, and helped organize the Orthopaedic Surgical Safety Summit in 2012 and the first National Surgical Patient Safety Summit. The catalyst for his involvement in patient safety issues, he said, was recognition about 10 years ago that there was significant progress in terms of surgical technique and various implants and devices for specific diseases, but there was unclear whether this impact was due to the orthopaedic surgeons' efforts or due to adverse events.

Dr. S. David Stulberg

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Dr. William J. Robb III (right) receives the 2017 William W. Tipton Jr, MD Leadership Award from outgoing AAOS President David R. Williams Jr., MD.

Dr. S. David Stulberg

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