

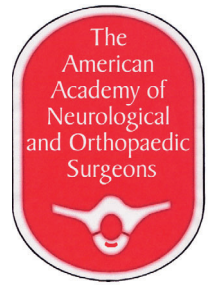


**83rd Annual Surgical Update
April 28-30, 2022**



Providence, Rhode Island

SURGERY 2022: GLOBAL, RURAL AND URBAN EXPERIENCES



**45th Annual Scientific Meeting
April 29-30, 2022**



Scientific Program

WELCOME FROM THE INTERNATIONAL COLLEGE OF SURGEONS WORLD PRESIDENT



As the International College of Surgeons World President, it is my pleasure and privilege to welcome you to the 83rd Surgical Update of the United States Section of the International College of Surgeons with the theme of “Surgery 2022: Global, Rural, and Urban Experiences”. I commend the United States Section leadership for organizing this surgical update, which I am certain will be informative and helpful in staying abreast of rapid developments in our profession.

The core mission of the International College of Surgeons is humanitarian surgery. Four supporting missions are education, communications, presentation of research data, and leadership. All of these are being addressed in this surgical update.

In fulfilling our missions, we have ongoing, continuing challenges. We have a wonderful legacy from the founder of the International College of Surgeons eighty-seven (87) years ago, Dr. Max Thorek. His founding philosophy is as true today, even more so, than when he founded the college in 1935. One challenge is not to forget, not to waiver from his legacy. We must raise the standards for safe surgery around the world, while at the same time addressing the unmet needs of millions of people. And yes, we must embrace and, where possible, utilize the new technologies and procedures that are being developed, but, at same time, remember that humanitarian surgical service can be effectively delivered without all of the new “bells and whistles”.

We must also strive to achieve sustainability, not only in the College, but in all global humanitarian settings of surgery. We must assume the responsibility of training local persons to capably carry on the work of the visiting humanitarian surgical team. As Dr. Max Thorek so clearly indicated, we must be teachers and students, all at one and the same time.

And we must also significantly collaborate with other entities. “we must work together” like never before this time. And that is what this surgical update is all about.

I give you my best wishes for a very productive and enjoyable meeting.

Sincerely,

Professor Aij-Lie Kwan

Professor Aij-Lie Kwan

World President

International College of Surgeons

WELCOME FROM THE INTERNATIONAL COLLEGE OF SURGEONS UNITED STATES SECTION PRESIDENT



I am extremely delighted to welcome you to the 83rd Annual Surgical Update of the United States Section of the International College of Surgeons. We are gathering here in Providence to participate in this annual meeting of surgeons and surgical specialists. Our conference, which is titled; Surgery 2022: Global, Rural and Urban Experiences, will include presentations that in many instances will relate to an element of the overall theme. This educational activity will provide informative data for the general surgeon as well as specialists, providing both multidisciplinary and specialty specific educational content.

We are once again joined by the American Academy of Neurological and Orthopaedic Surgeons. The Academy will conduct their 45th Annual Scientific Meeting on Friday and Saturday. On behalf of all the Fellows of International College of Surgeons I extend a warm welcome to Dr. Zamorano and our AANOS colleagues, wishing them great success during their program.

As you review the provided meeting details, you will note that we have formulated a top notch scientific program. You will hear from experienced educators from around the world as they tell us about their respective projects, research and experiences. I am extremely pleased that we are joined by our ICS World Immediate Past President from Greece, Prof. Giorgios Tsoulfas. He will make a presentation during the Opening Session on Thursday afternoon and another on Friday morning during the Transplant session. We are very grateful that he is able to join us. As I write this, other ICS Fellows are also scheduled to join us from Japan and the Czech Republic. Hopefully everyone can make it to Providence safely.

On a final note, I encourage everyone to attend the Honors Luncheon on Friday. During this break from educational programming we will welcome our newest members and recognize those who have made significant contributions to our esteemed organization. I look forward to seeing you there.

I hope you are able enjoy our historic host city during the leisure time allotted for Friday afternoon. There is much to do and I encourage you to take advantage of every opportunity.

Welcome to Providence!

A handwritten signature in black ink, reading "Mark N. Perlmutter". The signature is fluid and cursive.

Mark N. Perlmutter, MD, FICS
President, United States Section
International College of Surgeons

WELCOME FROM THE CHAIR OF THE AMERICAN ACADEMY OF NEUROLOGICAL AND ORTHOPAEDIC SURGEONS



Dear Colleagues:

It is my privilege to welcome you to the 45th Annual Scientific Meeting of the American Academy of Neurological and Orthopaedic Surgeons. We are gathered here at the Renaissance Providence Downtown Hotel for our annual educational program.

Our conference will provide information on a variety of Neurological, Orthopaedic and Spine related topics and I encourage you to review the information available on the meeting APP to learn all about the various speakers and their presentations. I am delighted that in this year's program will include a number of speakers from Providence and the surrounding area including, but not limited to our Neurosurgical Keynote, Dr. Albert Telfeian, who is Professor and Vice Chair of Quality Assurance in the Department of Neurosurgery and; the Director of the Center for Minimally Invasive Endoscopic Spine Surgery at the Warren Alpert School of Medicine at Brown University. Also joining us from Brown University are, Drs. Eric Cohen and Manuel DaSilva, who will join Dr. Telfeian in a special joint session with our colleagues from ICS. I am excited to share the latest Neurological and Orthopaedic Surgery information with our sister group.

I am pleased that the International College of Surgeons, as our educational partner, has worked closely with our Scientific Organizing Committee to develop additional programming that is likely to be of interest to all surgical specialties. I encourage every member of the Academy to peruse the program and participate in as many sessions as possible to earn the maximum number of CME credits.

I hope you have a most enjoyable visit to the Southern Gateway of New England during our annual meeting!

A handwritten signature in black ink, which appears to read "L. Zamofano".

Lucia Zamofano, MD, FICS, FAANOS
Chair,
American Academy of Neurological and Orthopaedic Surgeons

INTRODUCING THE PRESIDENT-ELECT UNITED STATES SECTION OF THE INTERNATIONAL COLLEGE OF SURGEONS

FOR THE TERM COMMENCING JANUARY 1, 2023



DIXON SANTANA APONTE, MD, MPH, FICS, FACS

Dixon Santana Aponte, MD is board certified surgeon in General and Vascular Surgery who has been in both academic and private practice since the beginning of his journey in the art of surgery and patient care. His main scope of practice is related to the complexity of major vascular issues and conditions affecting adult and pediatric patients. His evolution in this field has allowed him to use specialized, high technological instrumentation and devices combined with traditional long-standing surgical techniques to every patient he has an opportunity to serve and help with their disease processes.

Dr. Santana completed his doctoral degree in medicine at the University of Puerto Rico in San Juan where he also completed his general surgery post-doctoral training. He moved to Salt Lake City, Utah where he completed his fellowship in vascular surgery. He decided to bring his expertise and skills back to the University of Puerto Rico where he started the Vascular Surgery section and assumed the training and mentorship of most of the residents at the time. He also dwelled into private practice at nearby hospitals with the mission of improving the overall quality of vascular care at the time in the region. This became the foundation for further trainees to become vascular surgeons and continue offering up to date, state of the art care in the region.

He currently holds an academic ranking as a Professor in Surgery at Texas Tech University Health Sciences Center in Lubbock, Texas his practice site for the last 20 years. He serves the patients of West Texas and Eastern, New Mexico providing advanced vascular and endovascular care.

Dr. Santana has been a member of the International College of Surgeons since 2008. Global Surgical Care was one of the main reasons to join and collaborate with this fascinating organization since he had collaborated with missions to Dominican Republic and Nicaragua. Since then he has been involved in the organization in different roles, several of which have helped shape the current state of the US section.

Besides his surgical passion he enjoys spending time with his family; wife, son and two daughters. He enjoys outdoor activities, cycling, scuba diving, hiking and water sports being his favorite sports. He enjoys Afro-Caribbean and Latin jazz music.

INTERNATIONAL COLLEGE OF SURGEONS HONORARY FELLOW RECIPIENT

Michel Gagner, MD



Dr. Gagner is a highly-respected surgeon who is world renowned for his contributions to laparoscopic and bariatric surgery. Born in Montreal, Quebec, Canada, he first studied at the Séminaire de Sherbrooke where he obtained a Quebec College Diploma in 1978 followed by an MD at Université de Sherbrooke in 1982. Completing his residency in general surgery at McGill University in Montreal, during which time he did research studies on human lipolysis in sepsis, he then went to Paris, France to complete a fellowship in liver surgery and a second fellowship in pancreas and complex GI surgery at the Lahey Clinic in Massachusetts.

In 1990, Dr. Gagner accepted his first teaching appointment at the Université de Montréal School of Medicine as an assistant professor of surgery (Hotel-Dieu de Montreal), during which time he introduced his skills in laparoscopic surgery. As a pioneer of robotic assisted surgery, World first laparoscopic removal of the adrenal glands, the liver, bile duct and pancreas removal by laparoscopic surgery, he eventually made his way to the U.S. to practice at the Cleveland Clinic Foundation in Ohio where he co-founded the Minimally Invasive Surgery Center. He there, pioneered the use of endoscopic surgery for parathyroid and thyroid tumors in humans. He then became the director of the Minimally Invasive Surgery Center at Mount Sinai School of Medicine in New York, chair of the laparoscopic division and also earned the title of Franz Sichel Professor of Surgery. There he pioneered telesurgery with Professor Marescaux and Leroy of Strasbourg, the first trans-atlantic robotic assisted surgery, published in Nature in 2001. He then became head of the laparoscopic and bariatric surgery section at Cornell University's Weill Medical College (New York City).

Most recently serving as chief surgeon at Mount Sinai Hospital in Miami and professor of surgery at Florida International University, Dr. Gagner is now working out of the affiliated University of Montreal's Sacré-Coeur Hospital, as a professor of surgery and senior consultant. He also owns the Westmount Square Surgical Center, a private clinic specialized in bariatric surgery for weight loss and metabolic surgery for type-2 diabetes.

World-renowned for laparoscopic and bariatric surgery related to weight loss, the Clinic of Dr. Gagner, which is located in Montreal, specializes in the laparoscopic sleeve gastrectomy which he pioneered in 2000, as well as laparoscopic duodenal switch, which he was the first to perform in 1999, and various new innovative endoscopic treatments for obesity, type-2 diabetes, and gastro-intestinal tract disorders.

The author and co-author of more than 400 publications and 10 books, including the latest 2 on "Atlas of Hepato-Pancreatico-Biliary Surgery" and the "2nd Edition of Endocrine Surgery", Dr. Gagner is also a patentee in his field, especially on new methods to treat obesity and GI anastomosis. An elected fellow of the American College of Surgeons, the Royal College of Surgeons (Canada) and the American Society for Metabolic and Bariatric Surgery (ASMBS), he is also an honorary member of the Academie Nationale de Chirurgie de France, the Association Francaise de Chirurgie, the Mexican Laparoscopic Surgery Society, the Colombian Surgical Society, the Brazilian Surgical College, the Peruvian Surgical Society and the European Association for Endoscopic Surgery.

Dr. Gagner received a 2017 City of Marseille, France, Medal, SAGES Pioneer in Surgical Endoscopy Award (2017), 21st Oliver H. Behrs Professorship (Mayo Clinic 2016), Surgical innovation award from the ASMBS (2016), A2011 Excel Award by the Society of Laparoendoscopic Surgeons, a 2010-2011 French National Assembly Award, and Medal of the City of Bordeaux, Nice and Sete, France.

**DR. ANDRE CROTTI AWARD
FOR DISTINGUISHED SERVICE TO THE PROFESSION OF SURGERY RECIPIENT**

Matthew Cooper, MD



Matthew Cooper is a Professor of Surgery at Georgetown School of Medicine, and Director of Kidney and Pancreas Transplantation and Director for Quality at the Medstar Georgetown Transplant Institute (MGTI).

After receiving his medical degree from the Georgetown University School of Medicine in 1994, Dr Cooper completed his general surgery training at the Medical College of Wisconsin followed by a fellowship in multi-organ abdominal transplantation in 2002 at the Johns Hopkins Hospital in Baltimore, MD.

He joined the transplant faculty at the Johns Hopkins Hospital upon completion of his training and was appointed Surgical Director of Kidney Transplantation and Clinical Research in 2003. Dr. Cooper joined the University of Maryland in 2005 directing the kidney transplant and clinical research program until 2012 following which he assumed his current role in Washington, DC.

Dr. Cooper seeks new opportunities for living donation through innovation and by removing the disincentives for those considering donation while promoting the safety and long-term care of live organ donors. His clinical interests included kidney and pancreas transplantation; particularly the use of marginal organs and has chaired both an NKF sponsored Task Force to decrease kidney allograft discards and a UNOS-sponsored System Performance Improvement Committee which have led to several exciting projects to potentially bring more patients an opportunity for transplantation. Dr. Cooper is involved in several ongoing clinical research projects primarily with an interest in immunosuppression minimization and amelioration of delayed graft function in kidney allografts following ischemic reperfusion injury. He has authored over 220 peer-reviewed manuscripts, 300 abstracts and 12 book chapters. He is regularly invited to speak on a variety of transplant-related topics both nationally and internationally.

Dr. Cooper is involved in transplantation activities both locally and on a national basis. He is the current UNOS/OPTN President. He is a member of the National and DC Board of Directors for the NKF and a member of the NKF's National Transplant Task Force. He has served as the chairman of the United Network of Organ Sharing (UNOS) Living Donor Committee and recently acted as the Councillor for UNOS' Region 2. He is a current councillor for the American Society of Transplant Surgeons. He is a current board member for the National Kidney Registry, the American Foundation for Donation and Transplantation, the International Pancreas and Islet Cell Transplant Association, and Donate Life America. Dr. Cooper has served as Chair of the American Transplant Congress.

OPENING SESSION: GLOBAL SURGERY 2022 AND FEATURED LECTURES

Thursday

Symphony Ballroom A

3pm-6:30pm

The first session of the conference will feature several special lectures including: The Dr. Andre Crotti Lecture, where you will learn about how Kidney Paired Donation (KPD) has been revolutionary in providing living donor opportunities to recipients; as well as a special lecture by the recipient of an ICS Honorary Fellowship during which the audience will learn about a new technology, Magnetic Surgery. The former ICS World President will provide a lecture that will help the audience understand the various elements of leadership, including personal experiences of examples of things to do and not to do.

The audience will also hear from various speakers on topics related to Global Surgery and humanitarian activities. Included will be informative lectures about endeavors of not only ICS members, but others in various parts of the world. A presentation from a relatively new group about the role of students and trainees in global surgery will also be included. Participants will gain a better understanding of the topics presented and be able to determine whether additional investigation is needed.

Moderator(s): Muriel Cleary, MD and Demetrius Litwin, MD

Honorary Fellow Lecture: [Magnetic Surgery: Is It Ready for Prime Time?](#)

Michel Gagner, MD, FICS, Chief of Surgery, Westmount Square Surgical Center, Westmount Senior Consultant, Hopital du Sacre Coeur, Montreal, Westmount, QC, Canada

The Dr. Andre Crotti Lecture: [The Global Evolution of Kidney Paired Donation for Patients with ESRD](#)

Matthew Cooper, MD, Professor of Surgery, Georgetown University School of Medicine; Director, Kidney and Pancreas Transplantation; Director, Transplant Quality, Medstar Georgetown Transplant Institute, Washington, DC

[Leadership in Surgery: Lessons Learnt \(and still learning\)](#)

Georgios Tsoulfas, MD, PhD, FICS, Professor of Transplantation Surgery, Chief Department of Transplantation Surgery, Aristotle University School of Medicine, Thessaloniki, Greece

[Development of Czech Medicine and Surgery and its Current Status](#)

Karel Novák, MD, PhD, Professor of Surgery (retired), Charles University Prague; Medical Faculty Pilsen, Palacky University Olomouc; West Bohemian University, Pilsen; Kliniken Nordoberpfalz, Weiden, Germany (Univ. Regensburg), Rokycany, Czech Republic

[Building Collaborative Partnerships with an Eye Towards Equity](#)

Robert Riviello, MD, MPH, Associate Professor of Surgery, Associate Professor of Global Health and Social Medicine, Harvard Medical School, Boston, MA

&

Barnabas Alayande, MBBS, MBA, General Surgery Senior Registrar, West African College of Surgeons, Kigali, Rwanda

[Striving for Equity in Global Surgery: the Role of the Needs Assessment](#)

Erin Scott, MD, FICS(JR.), Global Surgery Research Fellow, General Surgery Resident, University of Massachusetts Chan Medical School, Worcester, MA

The Development of Pediatric Surgery in Rwanda As A Model for Global Health

Michael Curci, MD, Retired General Surgery Residency Program Director, Maine Medical Center, Portland, Maine

Pediatric Injuries During Wartime Require Efforts to Support Pediatric Surgical Trainings

Kathryn Campos, B.A, MSc, Independent/Academic Student Researcher University of Washington School of Medicine, Dept. of Surgery and Harborview Injury Prevention Program, Seattle, WA

Quality of Life of Patients After Colorectal Cancer Surgery in Soba University Hospital, Sudan.

Mohammed Adam, MBBS, MHPE, Teaching assistant, University of Khartoum, Khartoum, Sudan

WSF Honduras is now a Reality. It took 20 years but it is worth the effort!

Domingo T. Alvear, MD, FICS, Chairman, World Surgical Foundation, Mechanicsburg, PA

InciSioN; The Future of The Operating Room

Katayoun Madani, MS, MD, FICS(JR.), Global Surgery Fellow, Sadanah Trauma and Surgical Initiative, Chicago, Paradise Valley, AZ



AANOS ANNUAL SCIENTIFIC MEETING **NEUROLOGICAL AND ORTHOPAEDIC SURGERY PART 1**

Friday

Mozart

8am-9:45am

The United States Section of ICS (ICSUS) is proud to continue its long standing relationship with the American Academy of Neurological and Orthopaedic Surgeons (the Academy). As such, the Academy has designated the ICSUS Annual Surgical Update as its Annual Scientific Meeting. Working closely with the members of the Academy to determine professional practice gaps and educational need, ICSUS planners representing these two major surgical specialties are developing two days of programming. Participants in this first session will receive valuable updates on the diagnosis and most advanced treatment options for a variety of Neurosurgical and Orthopaedic conditions. Learners will have a better understanding about the latest treatment options for Lumbar Central Stenosis, Fractures of the Scaphoid, Thoracolumbar Burst/Compression Fractures, as well as Knee and Hip issues. An update on new research related to the treatment of Alzheimer's Disease will also be provided.

Learners in this session will obtain information to appropriately determine whether further more advanced educational initiatives are required in order to effectively implement the provided information into practice.

Moderator(s): Sudhir Rao, MD and Lucia Zamorano, MD

Minimally Invasive Decompressive Surgery for Lumbar Central Stenosis

Lucia Zamorano, MD, FICS, FAANOS, Chair, American Academy of Neurological and Orthopaedic Surgeons, Clinical Professor of Neurosurgery, Oakland University William Beaumont School of Medicine, Birmingham, MI

Management of Thoracolumbar Burst/Compression Fractures

Craig Clark, MD, PhD, FICS, FAANOS, Neurosurgeon, Greenwood Leflore Hospital, Greenwood, MS

Knee and Hip Tips and Tricks

Matthew E. Deren, MD, Assistant Professor, Department of Orthopedics and Rehabilitation, University of Massachusetts Medical School, UMass Memorial Medical Center, Worcester, MA

Fractures of the Scaphoid. Case Study and Review of Treatment Options

Sudhir Rao, MD, Orthopaedic Surgeon, Big Rapids Orthopaedics PC, Big Rapids, MI

Autologous Adipose Tissue-Derived Stem Cells Improved Cognitive Function in Alzheimer's Disease

Hisakazu Yamagishi, MD, PhD, FICS, Professor, Kyoto Prefectural University of Medicine, Kyoto, Japan

TRANSPLANTATION SURGERY: GLOBAL PERSPECTIVES

Friday

Symphony Ballroom A

8am-9:45am

Participants in this session will be provided with intensive instruction on several essential elements in transplant surgery such as; Transplant Oncology, Abdominal Transplant Surgery Fellowships, Donation After Circulatory Death and Technology in Transplantation. Upon completion of the course, surgeons of all specialties will have a better more comprehensive understanding of the various topics related to transplant surgery presented during the symposium.

Moderator(s): Peter Kennealy, MD and Dinesh Ranjan, MD

Abdominal Transplant Surgery Fellowship: A pot-pourri of domestic and international trainees

Megan Adams, MD, FICS, Assistant Professor of Surgery, University of Colorado Hospital, Aurora, CO

Transplant Oncology: An Evolving International Field

Kristopher Croome, MD, MS, Professor of Surgery, Mayo Clinic Florida, Jacksonville, FL

Donation After Circulatory Death: The International Transplant Community Leaving the USA Behind

Trevor Nydam, MD, FICS, Associate Professor of Surgery, University of Colorado School of Medicine, Aurora, CO

Is Xenotransplantation the Future of Organ Transplantation?

Reza Saidi, MD, FICS, Associate Professor of Surgery, SUNY Upstate Medical University, Manlius, NY

The Role of Technology in Transplantation Surgery

Georgios Tsoulfas, MD, PhD, FICS, Professor of Transplantation Surgery, Chief Department of Transplantation Surgery, Aristotle University School of Medicine, Thessaloniki, Greece



ADVANCES IN NEUROLOGICAL AND ORTHOPAEDIC SURGERY

Friday

Symphony Ballroom A

10am-12pm

In this special joint session, the members of the AANOS will join their colleagues from ICS to learn about several extremely interesting developments in Neurological and Orthopaedic Surgery. Learners will receive information about the latest in Total Hip Replacement, Cubital Tunnel Release, Endoscopic Spine Surgery and, Computerized Surgeon Assessment.

Upon completion of this session specialists in the topics covered will be able to determine whether the treatment options presented should be considered for certain situations. Learners who do not practice Neurological or Orthopaedic Surgery will be able to more effectively make referrals for their patients who may require management of the maladies covered.

Moderator(s): Mark Perlmutter, MD and Lucia Zamorano, MD

Better, Stronger, Faster: Intraoperative Methodological Computerized Surgeon Assessment

Saikiran Murthy, DO, MA, FICS, Assistant Professor of Neurosurgery and Orthopedics, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, NY

Advances in Endoscopic Spine Surgery

Albert Telfeian, MD, PhD, Professor and Vice Chair Quality Assurance, Department of Neurosurgery; Director, Center for Minimally Invasive Endoscopic Spine Surgery, Warren Alpert School of Medicine, Brown University, Providence, RI

Cubital Tunnel Syndrome- Historical and Current Management Trends

Katayoun Madani, MS, MD, FICS(JR.), Global Surgery Fellow, Sadanah Trauma and Surgical Initiative, Chicago, Paradise Valley, AZ

Endoscopic Cubital Tunnel Release

Manuel DaSilva, MD, Associate Professor, Director Medical Student Education, Department of Orthopedic Surgery, Rhode Island Hospital, Alpert Medical School at Brown University, Providence, RI

Outpatient Anterior Total Hip Replacement

Eric Cohen, MD, Assistant Professor of Orthopedic Surgery, Brown University, East Providence, RI

Friday

HONORS LUNCHEON
Symphony Ballroom B

1pm-1:30pm

Physician Financial Wellness: Understanding How Financial Advisors Work & Conflicts to Avoid

Andrew Taylor, CFP, Wealth Advisor, OJM Group, LLC; Member Financial Planning Association, Cincinnati, OH

AANOS ANNUAL SCIENTIFIC MEETING NEUROLOGICAL AND ORTHOPAEDIC SURGERY PART 2

Saturday

Mozart

8am-12pm

Participants in this second session will receive updates on the diagnosis and treatment options for a variety of Neurosurgical and Orthopaedic maladies. Learners will be informed about and have the ability to discuss the following with the presenters: sarcopenia; high strength suture materials; the American Board of Neurological and Neurosurgical Critical Care; sagittal malalignment; pilocytic astrocytoma; sub-axial cervical facet subluxation; intracerebral injury and minimally invasive TLIF.

Moderator(s): Muhammad Janjua, MD and Lucia Zamorano, MD

Correction of Sagittal Malalignment with L5 Pedicle Subtraction Osteotomy: A Cadaveric Study
Muhammad Janjua, MD, FICS, Clinical Assistant Professor of Neurosurgery, Poplar Grove, IL

Minimally Invasive TLIF as Outpatient Procedure

Lucia Zamorano, MD, FICS, FAANOS, Chair, American Academy of Neurological and Orthopaedic Surgeons, Clinical Professor of Neurosurgery, Oakland University William Beaumont School of Medicine, Birmingham, MI

High Strength Suture Materials in Orthopedic Practice

Naga Cheppalli, MD, FICS, Assistant Professor of Orthopedic Surgery, University of New Mexico, Albuquerque, NM

Sarcopenia and Low Back Pain.

Amit Bhandarkar, MD, Orthopedic Spine and Pain Surgeon SSM Health Centralia IL., Wildwood, MO

An Introduction to the American Board of Neurological and Neurosurgical Critical Care

Craig Clark, MD, PhD, FICS, FAANOS, Neurosurgeon, Greenwood Leflore Hospital, Greenwood, MS

Juvenile Pilocytic Astrocytoma of Brain stem

Muhammad Janjua, MD, FICS, Assistant Professor University of Illinois Chicago, Poplar Grove, IL

Management of Traumatic Sub-axial Cervical Facet Subluxation, Techniques and Approaches

Gazanfar Rahmathulla, (MBBS) MD, MBA, Assistant Professor of Neurosurgery, Medical Director of Neurosurgical Trauma, University of Florida College of Medicine, Jacksonville, Florida, FL

The Role of Neuropeptide Agents in Intracerebral Injury Following Traumatic Brain Injury

Francis Samonte, MD PhD, Senior Research Associate, National Institute of Health, San Diego, CA

Saturday

Symphony Ballroom A

8am-9:45am

Practicing surgery in a rural community is very different from being a surgeon in a big city. Large hospitals have not only more resources, but greater capacity than smaller community hospitals, which must alter how they manage unexpected increases in case load or patients.

During this session, you will hear from speakers who have experienced the challenges, as well as the rewards of being a rural surgeon. Those interested in a career in rural surgery will have a better understanding of what the requirements, are as well as the opportunities available. If you are not currently contemplating a career in rural surgery this session may aid in your decision making process.

Moderator(s): Melissa Johnson, MD and Thav Thambi-Pillai, MD

[Surely the appendicitis did not go away! Acute appendicitis during the Covid lockdown. A rural hospital perspective and discussion of comparable effects in Europe and Asia.](#)

Saptarshi Biswas, MD, FICS, Attending Surgeon, Department of General Surgery, Trauma and Surgical Critical care, Associate Program Director, General Surgery Residency, Grand Strand Medical Center, Myrtle Beach, SC

[Breast Cancer Surgery and Breast Cancer Care in Resource Poor Areas](#)

Mehra Golshan, MD MBA, Professor of Surgery (Oncology), Yale School of Medicine; Executive Vice Chair Department of Surgery, Deputy Chief Medical Officer, Yale Cancer Center, Southport, CT

[Do surgically austere environments really exist?](#)

Faran Bokhari, MD, Professor of Surgery at Rush University Medical School; Chairman of Trauma Surgery, Cook County Hospital, Chicago, IL

[The Value of Global surgery and Rural surgery training in Urban Academic Centers](#)

Edie Chan, MD, Associate Professor of Surgery Rush University Medical Center, Chicago, IL

[Surgical Philanthropy - How to Operate](#)

Ravi Kothuru, MD, Residency Program Director, Chief, Division of Thoracic Surgery, Associate Chairman Department of Surgery, The Brookdale University Hospital and Medical Center, Brooklyn, NY



GENERAL PLENARY SESSION

Saturday

Symphony Ballroom A

10am-11am

ICSUS CME programs are rich in diversity and represent many surgical specialties. This multidisciplinary educational session seeks to provide content that improves the learner's overall competence, performance or patient outcomes through interaction with peers. ICSUS encourages participants from all specialties to interact and learn from one another, thereby building a broad base of knowledge. In this short session developed from abstract submissions of ICS Fellows and others, presentations will cover the following topics: abdominal wall hernias, treatments for liver cancer, and central venous occlusion.

Moderator(s): John Kelly, MD and Dixon Santana, MD

Management of Abdominal Wall Hernias

Anthony N. Dardano, DO, FICS, Chief of Plastic Surgery Trauma, Associate Professor of Surgery, Florida Atlantic University, Boca Raton, FL

Emerging Personalized Treatments for Liver Cancer

Tobias Raabe, PhD, Research Assistant Professor, Director, Translational Medicine Laboratory University of Pennsylvania, Philadelphia, PA

Central Venous Occlusion's Impact on Patients on Hemodialysis

Ehab Sorial, MD, FICS, Associate Professor of Surgery at the The Stanford University, Los Gatos, CA

ANNUAL ETHICS FORUM

Saturday

Symphony Ballroom A

11am-12pm

During this session, the audience will be provided with two perspectives on the topic of transplantation in patients who are in need of an organ transplant, but are refusing the COVID vaccine. The speakers will address this controversy through the lens of the five main ethical principles. Topics to be covered will include policies motivated by utility, stewardship, and beneficence on one side and policies that emphasize justice and respect for persons, and seek to avoid worsening inequities or medical coercion on the other side. Following the speaker presentations there will be ample time for discussion and audience participation.

Moderator(s): Mayur Narayan, MD and Ehab Sorial, MD

Unvaccinated in Need of Transplant: To Transplant or Not, That is the Question!

PRO Argument

Babak Movahedi, MD, PhD, Assistant Professor, University of Massachusetts Medical School; Chief, Division of Organ Transplant Surgery, UMass Memorial Medical Center, Worcester, MA

CON Argument!

Paul Morrissey, MD, Professor of Surgery, Warren Alpert Medical School at Brown University; Director, Division of Organ Transplantation, Rhode Island Hospital, Providence, RI

Saturday

Symphony Ballroom A

1:30pm-4pm

The latest on Trauma and Critical Care Surgery will be presented in this annual forum, along with a variety of unique cases and how they were handled. The audience will be made aware of what can be encountered in critical care situations and will have a better understanding of what to do if they come across similar cases. Featured will be topics on geriatric trauma, COVID 19 issues, blast injury, injury related to intoxication and care in a tertiary care hospital.

Moderator(s): Joshua Mammen, MD and Sharique Nazir, MD

Trauma Care in a Tertiary Care Hospital in India

Ahmad Abdul Hai, MS, FRCS, FICS, FIAMS, FAIS, Former Professor and HoD Surgery, Patna Medical College, Patna Bihar, India; Presently Director General Surgery, Paras HMRI Hospital, Patna, Bihar, India

Thoracic Trauma

Loren Harris, MD, Clinical Associate Professor of Surgery, SUNY Downstate College of Medicine, Staten Island, NY

Trauma Care During The COVID 19 Pandemic

Robert Davis, MD, Director of Trauma/ Surgical Critical Care, Harlem Hospital Center, New York, NY

Blast Injury

LTC Robert Madlinger, DO, MPH, FICS, Chief of Trauma, Acute and Surgical Critical Care, Mohawk Valley Health System, Utica, NY; Commander 1st Forward Resuscitative Surgical Team USAR USARC, Washington, NJ

Mechanism of Injury in Intoxicated Trauma Patients by Sex and Age Over Time

Anthony Kopatsis, MD, Senior Surgical Staff, ICAHN School of Medicine at Mount Sinai/Elmhurst, New York, NY



ANNUAL RESEARCH SCHOLARSHIP COMPETITION

Saturday,

Symphony Ballroom A

4pm-5:30pm

Surgical Residents and Medical Students will participate in this annual contest. Submissions will initially be judged by the Scholarship Committee. Qualifying candidates will then make an oral presentation during the Annual Surgical Update. Oral presentations will also be judged by a special panel during the meeting in Providence. Scores will be combined to determine the winners of various prizes (including a monetary grand prize). Attendees will be presented with fascinating information by some of the brightest young minds in medicine.

Moderator(s): Katayoun Madani, MD and Tracy Sambo, MD

Outcomes and their State-Level Variation in Patients Undergoing Surgery with Perioperative SARS-CoV-2 Infection in the USA: A Prospective Multicenter Study

Osaid Alser, MD, MSc(Oxon), FICS(JR.), General Surgery Resident, Texas Tech University Health Sciences Center, Lubbock, TX, Lubbock, TX

Chlorhexidine Gluconate Wound Irrigation and Surgical Site Infections in Renal Transplant Patient

Michael Burt, MD, General Surgery Resident, University of South Dakota, Sioux Falls, SD

Abdominal Perforation as a Complication of Tocilizumab use in COVID-19 positive patients

Maaria Chaudhry, B.S., M1, Saint Louis University, New Castle, DE

A SIR Mathematical Model of Previous COVID-19 Strains to Analyze Delta Variant Spread

Alexandra Close, Student, University of Maryland, College Park, Olney, MD

Outcomes and Efficacy of MRI-compatible Sacral Nerve Stimulator for Management of Fecal Incontinence

Binit Katuwal, MD, Surgery Resident, Providence Hospital, Southfield, MI

Mortality Risk Factors in Patients Admitted with Tracheostomy Complications

Lior Levy, BA, FICS(JR.), New York Medical College, Valhalla, NY

Mortality in GI Adhesions with Obstruction: A 10-year Study of 115,012 Patients

Akash Thaker, MS, Medical Student, New York Medical College, Valhalla, NY



In order to allow meeting attendees time to explore our host city, Friday afternoon will not include any live lectures. Instead, several Virtual Programs are available through the conference meeting library and can be accessed at any time. Those sessions currently include the following:

CONTEMPORARY ISSUES IN SURGICAL ONCOLOGY (VIRTUAL SESSION)

The field of surgical oncology is constantly changing with new therapeutic strategies being introduced rapidly. Additionally, with the identification of new genetic mutations, diagnostic strategies also have evolved. As such, surgeons who care for oncology patients need ongoing education to remain contemporaneous in the field.

Participants in this session will learn various current diagnostic and therapeutic strategies to care for oncology patients. Areas covered will include melanoma, breast cancer, pancreatic cancer and thyroid cancer. Upon completion of the session participants will have increased their knowledge of contemporary oncologic diagnostic and therapeutic strategies.

Surgical Update - Pancreatic Cancer

Michael Jacobs, MD, FICS, Clinical Professor of Surgery, Ascension Providence Michigan State University CHM, Bloomfield Hills, MI

Surgical Management of Melanoma in the Era of Effective Systemic Therapies

Joshua Mammen, MD PHD, FICS, Professor of Surgery, University of Nebraska, Omaha, NE

Breast Cancer Update

Colleen Murphy, MD, FICS, Assistant Professor of Surgery, University of Colorado School of Medicine, Denver, CO

Contemporary Management of Well-Differentiated Thyroid Cancer

Jessica Shank, MD, Assistant Professor, Division of Surgical Oncology, Department of General



Surgery, University of Nebraska Medical Center, Omaha, NE

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VASCULAR SURGERY 2022 (VIRTUAL SESSION)

Axillosubclavian artery trauma and endovascular experience in San Juan

Fernando Joglar, MD, Associate Professor of Surgery, University of Puerto Rico School of Medicine, San Juan, PR

New trends on Acute Aortic Dissection

William Shutze, MD, Vascular Surgeon, Plano, TX

Up-to-date approach to lower extremity wounds management

Ehab Sorial, MD, FICS, Associate Professor of Surgery, Stanford University, Los Gatos, CA

In order to allow meeting attendees time to explore our host city, Friday afternoon will not include any live lectures. Instead, several Virtual Programs are available through the conference meeting library and can be accessed at any time. Those sessions currently include the following:

RECONSTRUCTIVE PLASTIC SURGERY SYMPOSIUM (VIRTUAL SESSION)

The latest advances in reconstructive plastic surgery will be presented during this symposium. Learners will learn about and have a better understanding of: orthoplastic management of extremity wounds; reconstruction with negative pressure therapy; and negative pressure wound therapy.

Orthoplastic Approach to The Management of Complex Extremity Wounds

Ricardo Castrellon, MD, Program Director, Integrated Plastic Surgery Residency Program, Larkin Community Hospital Palm Spring Campus – Miami, FL

Improving Surgical Outcomes Utilizing Negative Pressure Wound Therapy

Anthony N. Dardano, Jr., DO, Chief of Plastic Surgery, Trauma Associate Professor of Surgery, Florida Atlantic University – Boca Raton, FL

Optimizing Outcomes in Breast Reconstruction with Negative Pressure Therapy

Devinder Singh, MD, Chief and Program Director, Division of Plastic Surgery, Professor of Clinical Surgery, University of Miami Health Systems, Miami, FL

PANEL DISCUSSION - ORTHOPAEDIC DEVICES: INEQUITIES, CHALLENGES AND OPPORTUNITIES (VIRTUAL SESSION)

There is a crisis of affordability and availability of orthopaedic implants for managing musculoskeletal trauma in LMICs resulting in serious morbidity, loss of income and financial catastrophe for patients. HICs also face challenges to reduce spiraling costs to patients. Multiple workarounds/practices are employed by patients and surgeons; some of which are dangerous and desperate. This panel discusses the current solutions to these problems, their pros and cons, ethics, and legislation. These discussions will be contrasted between HICs and LMICs. Also discussed will be proposed new solutions that will cohesively involve multiple stakeholders such as legislators, manufacturers and surgeons.

Moderators:

Kiran Agarwal-Harding, MD, MPH Harvard Global Orthopaedics Collaborative, Boston, MA, New York, NY

Sayed Shah, MBChB, Associate; Warshow, Sheikh and Associates, Aga Khan University Hospital, Nairobi

Presenters:

Linda Chokotho, MBBS, MPH, PhD, Orthopaedic Surgeon, Malawi University of Science and Technology, Blantyre, Malawi

Girish Gangan, MS (Ind Engg), BE (Prod Engg), Chief Operating Officer, Uma Surgicals, Mumbai, India

Chris Lavy, FRCS, Professor of Orthopaedic and Tropical Surgery, NDORMS, University of Oxford, Oxford, UK

Emmanuel Makasa, MD, Adjunct Professor of Global Surgery & Founding Director SADC -Wits Regional Collaboration Centre for Surgical Healthcare Department of Surgery, School of Clinical Medicine; Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa

Claude Martin, MD, MBA, MEd, Managing Director, AO Alliance Foundation, Thalwil, Switzerland

Irene Yang, BEng, BMedSci (Hons I), DPhil; Oxford Orthopaedic Engineering Centre, Oxford University, Oxford, UK

Lewis Zirkle, MD, Founder and President, SIGN Fracture Care International, Richland, WA

In order to allow meeting attendees time to explore our host city, Friday afternoon will not include any live lectures. Instead, several Virtual Programs are available through the conference meeting library and can be accessed at any time. Those sessions currently include the following:

INTERNATIONAL SCHOLARSHIP COMPETITION (VIRTUAL SESSION)

Residents and Medical Students training outside of the United States will participate in this new competition. A wide variety of topics will be covered that will highlight various aspects of surgery that are not necessarily common here in America. Participants are training in locations such as India, Sierra Leone and Grenada.

Topics presented will include discussions about COVID, diversity, breast cancer, surgical documentation and intestinal ischemia.

Intestinal Ischemia and COVID-19

Winner - Third Place

Darshan B M, MBBS, Junior Resident, Vijayanagara Institute of Medical Sciences, India

COVID-19 Vaccine Acceptance Among Clinical Year Students at the College of Medicine and Allied Health Sciences, University of Sierra Leone.

Winner - Second Place

Abdul Karim Bah, Medical Student, College of Medicine And Allied Health Sciences, University of Sierra Leone, Freetown, Sierra Leone

Reasons for delay in presentation of breast cancer patients at a tertiary hospital in Sierra Leone

Honorable Mention

Ahmeda Kalla-Kalokoh, Medical Student, Freetown, Sierra Leone

Underneath These White Coats: A Promotion of Diversity Awareness Amongst Medical Students

Honorable Mention

Quentin Olivacce, Incision Director of Diversity and Inclusion, St. Georges University, Grenada

A Closed-loop Clinical Audit on Surgical Documentation at a Tertiary Level Hospital in India: Where Do We Stand?

Winner - First Place

Akatya Vidushi Sinha, Final year, MBBS Student, MGM Medical College & Hospital, Navi Mumbai, India



WITH OUR THANKS

The following individuals made financial contributions during the past twelve months to support the United States Section of the International College of Surgeons and its many worthy programs.

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 Lucia Zamorano
 Yasser F. Zeid
 Alan Zeitlin

IN MEMORIAM

That these bodies should be lent to us as long as they can afford us pleasure, assist us in acquiring knowledge and doing good to our fellow man, is a kind act of a benevolent God.

In his time, a physician touches many lives. Those of us whose lives these physicians touched are left greatly saddened, for they are with us no longer.

Yet, in the scheme of the Almighty, they will be forever honored for their noble role on earth as healers of their fellow man.

ARI O. HALLDORSSON, MD

US SECTION PAST PRESIDENT (2014)

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GENERAL SURGERY

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OPHTHALMOLOGY

CME ACCREDITATION INFORMATION

Overall Course Objectives The Annual Surgical Update is designed to offer information regarding the latest surgical advancements and technology to address gaps in knowledge that may exist for practicing surgeons in all surgical specialties, residents in training, and allied health professionals. The desired outcome of this program is increased knowledge, better competency in cutting edge treatment modalities, and enhanced treatment decision making. It is the expressed goal of the course to provide enough material that upon completion of the activity the participant can make educated decisions to incorporate the latest surgical techniques and technologies as well as discern when these procedures are warranted to provide optimum patient care.

Topics presented during the Annual Surgical Update have been designed to address and improve the attendee's knowledge and skills in the following competencies; patient care or patient-centered care, medical knowledge, practice-based learning & improvement, quality improvement and professionalism.

Disclosure Policy It is the policy of the International College of Surgeons-US Section that any individual who is involved in planning or presenting in a program designated for AMA Physician's Recognition Award Category 1 Credit™ must disclose all relevant financial relationships with any ineligible companies prior to being included in the final program. This information is disclosed to the audience prior to the activity. The ICS-US has procedures in place to address a conflict of interest should one arise. Our complete Policy on Commercial Support and Independence is available on FICS Online or by request from Headquarters. Additionally, faculty members are asked to disclose when any discussion of unapproved use of a pharmaceutical or medical device occurs.

Accreditation The International College of Surgeons-United States Section is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor Continuing Medical Education for physicians.

Credit Designation The International College of Surgeons-United States Section designates this live activity for a maximum of 22.75 AMA PRA Category 1 Credits. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SOCIAL EVENTS

Welcome Reception

Thursday, 7:00 - 8:00pm

Haydn Temple level

All attendees are invited to participate in our annual welcome reception on Thursday evening. Say hello to old friends and greet new ones as we begin our meeting.

Honors Luncheon

Friday, Noon - 1:30pm

Symphony B Ballroom

Please join us as we honor our leaders, introduce our future leaders and celebrate our New Fellows.

Gala Closing Dinner

Saturday, 7:30-11:00pm

Symphony B Ballroom

Our annual black-tie optional closing dinner will take place Saturday evening. Tickets are **very** limited on-site and must be purchased by noon on Thursday, \$150 per person. Please visit the registration desk immediately to check availability for purchase. On-site availability is **NOT** guaranteed.

GENERAL MEETING INFORMATION

Attire

Business casual attire is recommended in educational sessions and on-site social activities. Casual attire is appropriate for most off-site social events.

Becoming a Member

If you are interested in becoming a member, go online to www.ficsonline.org/apply. You will find links to join as either a full member, junior member or allied health partner member.

Cancellation Policy

The cancellation deadline was March 25, 2022. Refunds will be issued, minus a \$75 processing fee, upon receipt of written notification via e-mail. Verbal or written cancellations after March 25, will not be honored.

Continuing Medical Education (CME) Information

CME Program Evaluation Forms are only available online. visit www.ficsonline.org/eval22 or navigate to the forms using the meeting app. To receive CME Credit, you must complete a Program Evaluation Form for each educational session you attend.

The deadline for submission of all CME Program Evaluation forms is Tuesday, May 31, 2022.

Fees

Meeting-related fees must be paid in US funds. Checks as well as Visa, Master Card, and American Express are acceptable forms of payment.

Language

The official language of this conference is English, and all sessions and events shall be conducted in English.

Meeting Registration

Everyone attending or participating in educational sessions, including faculty, is expected to register for the meeting.

Social Event Tickets

Tickets for social events MAY be available onsite on a VERY limited basis. Staff is not responsible for events that are sold-out. Check with the Meeting Registration Desk as soon as possible.

Speaker Prep Area

Please check-in at the registration desk for assistance with uploading and reviewing your PowerPoint files. All files must be uploaded in advance of your presentation please see registration staff as soon as possible.

Special Needs

If you have any special needs that must be addressed to ensure your comfort and/or if you require information not listed in this brochure, please see the ICS-US Staff at the Registration Desk during the hours listed in the schedule at a glance. Every effort will be made to facilitate your request.

Supplemental Registration

This category is not appropriate for physicians who will attend educational sessions. All other individuals who are present at meeting events must register in this category. Including: Spouses, Domestic Partners and Relatives. Included in this registration are: Breakfasts, Coffee Breaks, Lunches, non-ticketed Alliance Activities, and Opening Reception.

To register for the meeting, please visit the Meeting Registration Desk.

Transcripts

You must submit your online CME evaluation to receive CME credit for this meeting. Transcripts will be made available to attendees 30 days after the conclusion of this meeting following completion of a post-meeting survey which will be e-mailed to you individually.

Save the Date

May 4-6, 2023

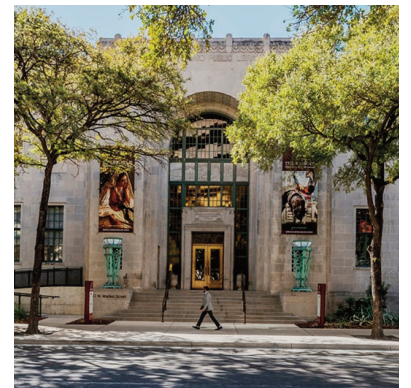
Hilton Palacio Del Rio

San Antonio's roots run deep. And while the River Walk is the most popular attraction, there's so much more to explore. Alamo Plaza houses one of the city's five Spanish colonial missions, the Alamo, designated a UNESCO World Heritage Site. On Main Plaza, the San Fernando Cathedral houses the oldest, continuously functioning religious community since 1731. Museums, theatres and art schools liven the scene with art collections, musical and theater performances and classes for the students at heart. And markets fill the streets with local shops, eateries and public artwork to enjoy. Come eat, drink, shop and explore what's new in downtown.



San Antonio's story begins with Spanish explorers. In 1691, they named the city in honor of Saint Anthony of Padua because they reached this new land on his feast day, June 13. In 1718, Franciscan priests and a military captain founded Mission San Antonio de Valero – the Alamo – to serve as a midpoint between the missions in northern Mexico and east Texas. At the same time, a presidio was established to protect them. Today, you can visit the Alamo – one of the city's five missions collectively designated as the first UNESCO World Heritage Site in Texas – and explore the Spanish Governor's Palace, a landmark that once provided housing for the captain of the presidio and served as headquarters for the soldiers stationed there.

Walk the downtown district by foot, rent a B Cycle, or step aboard a GO RIO river barge; for a narrative of the rich history of the city and the River Walk. Browse the eclectic collection at the Buckhorn Saloon & Museum, revisit tales of Texas History at the Briscoe Western Art Museum, or browse rotating exhibits at the Southwest School of Art. Catch a live theater production at the historic Majestic Theatre, Aztec Theatre, or the Tobin Center for the Performing Arts, then, grab a craft cocktail at the St. Anthony Hotel bar, Haunt, for an evening of glamour and unmatched hospitality. For free family fun, don't miss the 24-minute light show by French artist Xavier de Richemont, "San Antonio The Saga," on the exterior walls of the San Fernando Cathedral. For unique shopping, check out Shops at Rivercenter, or Market Square – three historic blocks of shops and restaurants known as "El Mercado" or visit La Villita Historic Arts Village for a collection of shops and galleries offering local pop-up boutiques. For outdoor enthusiasts, Hemisfair – the home of Tower of the Americas and the Institute of Texan Cultures – boasts 37 acres of redeveloped urban park, including the Yanaguana Garden, playground, and surrounding eateries. Don't miss the Rainbow Crosswalk at the intersection of North Main Avenue and East Evergreen Street. In the downtown area, places to eat and drink are plentiful. Try Biga on the Banks for fine dining. For after-dinner fun, don't miss the bar at Bohanan's for classic cocktails and superior service, The Esquire Tavern on E. Commerce for casual drinks and snacks, and SoHo Wine & Martini Bar for karaoke and spirits.



SCHEDULE AT A GLANCE

Thursday

Registration
7:30am-5:30 pm
Symphony Ballroom Foyer

Officer Breakfast
7:30am-9:00am
Beethoven Room
(Mezzanine Level)

ICS-US Business Meetings
8:00am-2:30pm
Mozart Room
(Mezzanine Level)

John Scott Surgical Endowment
Fund - Board of Trustees
8:00-8:30 am

Executive Committee Meeting
Including:
Board of Trustees, AMA,
Bylaws, Ethics, Past
Presidents, Development,
Honors, Scholarship and CME
Committees and Council of
Specialty Group Chairs
8:30-11:00am

Board of Regents &
Membership Committee
11:00am - 12:00pm

Executive Council and House of
Delegates Joint Meeting
1:00pm - 2:30pm

Opening Session: Global
Surgery 2022 and Featured
Lectures
3:00pm - 6:30pm
Symphony Ballroom A

Welcome Reception
7:00pm-8:00pm
Haydn Room
(Temple level)

Friday

Registration
7:30am-Noon
Symphony Ballroom Foyer

Continental Breakfast
7:30am-9:00am
Symphony Ballroom B

Exhibit Show
7:30am-Noon
Symphony Ballroom Foyer
(Ballroom Level)

All-Day Coffee Break
9:00am-Noon
Symphony Ballroom Foyer
(Ballroom Level)

AANOS Annual Scientific
Meeting Neurological and
Orthopaedic Surgery Part 1
8am-9:45am
Mozart Room
(Mezzanine Level)

Transplantation Surgery: Global
Perspectives
8am-9:45am
Symphony Ballroom A

Advances in Neurological and
Orthopaedic Surgery
10am-12pm
Symphony Ballroom A

Honors Luncheon
Noon-1:30pm
Symphony Ballroom B

AANOS Business Meeting
1:30-5:00pm
Mozart Room
(Mezzanine Level)

Saturday

Registration
7:30am-1:00pm
Symphony Ballroom Foyer

Continental Breakfast
7:30am-9:00am
Symphony Ballroom B

Exhibit Show
7:30am-3:00pm
Symphony Ballroom Foyer

All-Day Coffee Break
9:00am-Noon and 2:00-5:30pm
Symphony Ballroom Foyer

AANOS Annual Scientific
Meeting Neurological and
Orthopaedic Surgery Part 2
8am-12pm
Mozart Room
(Mezzanine Level)

Rural Surgery: A Global View
8am-9:45am
Symphony Ballroom A

General Plenary Session
10am-11am
Symphony Ballroom A

Annual Ethics Forum
11am-12pm
Symphony Ballroom A

Saturday Luncheon
Noon-1:30pm
Symphony Ballroom B

Trauma
1:30pm-4pm
Symphony Ballroom A

Annual Research Scholarship
Competition
4pm-5:30pm
Symphony Ballroom A

Gala Dinner
7:30pm - 10:30pm
Symphony Ballroom B