

SURGICAL ACCESS FOR ALL

41<sup>ST</sup>

ANNUAL SCIENTIFIC  
MEETING

June 15-17, 2017





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Welcome from the  
GOVERNOR OF WASHINGTON

JAY INSLEE  
Governor



STATE OF WASHINGTON  
Office of the Governor

*Greetings from the Governor*

*June 15, 2017*

I am pleased to extend warm greeting to all of those attending the 41<sup>st</sup> Annual Scientific Meeting of the American Academy of Neurological and Orthopaedic Surgeons. For those of you visiting us, it is a privilege to welcome you to the beautiful Evergreen State.

I wish to thank Dr. Craig Clark, the Academy Chair, for choosing Seattle to host this conference. The Emerald City is a vibrant and diverse community that boasts a wide variety of recreational attractions, from its breathtaking natural beauty and outdoor activities to its thriving theater and music district, world-class museums and fine dining. I am certain that you will find your hosts to be warm and hospitable, and I hope you enjoy your stay with us.

Again, welcome to Washington. I am proud to have so many gifted and devoted representatives of your national surgical organization here with us today. Please accept my best wishes for a rewarding and productive meeting.

Very truly yours,

A handwritten signature in black ink, appearing to read "Jay Inslee".

Jay Inslee  
Governor





**City of Seattle**  
Mayor Edward B. Murray

June 2017

Dear Distinguished Guests;

I am honored to welcome the members and guests of the 41st Annual Scientific Meeting of the American Academy of Neurological and Orthopaedic Surgeons to the City of Seattle. We have much to offer all our guests, and I hope you have the opportunity to explore all that our city has to offer.

I extend my sincere gratitude to Academy Board Chair, Dr. W. Craig Clark, for choosing Seattle to host this meeting, and to all members of the Academy who will visit with us this weekend. I was excited to learn that faculty from the University of Washington will be participating in your prestigious surgical conference. I applaud your conference objectives and the effort exerted by the members of your planning committee in the development of the scientific sessions.

I hope you have a wonderful experience while you are visiting our beautiful city and the surrounding area.

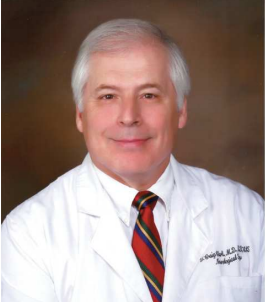
Best wishes for an unforgettable experience and continued growth of your organization in the years to come.

Sincerely,



Edward B. Murray  
Mayor of Seattle

WELCOME FROM THE  
CHAIRMAN OF THE BOARD



Dear Colleagues:

It is my pleasure to welcome you to the 41st Annual Scientific Meeting of the American Academy of Neurological and Orthopaedic Surgeons. We are gathered here in Seattle, Washington at the Marriott Hotel for this annual gathering where a highly informative educational program is being presented.

Our Scientific Organizing Committee has secured a number of highly regarded speakers from the Seattle area and in particular the University of Washington. These invited speakers will update us on a variety of Neurological, Orthopaedic and Spine related topics. I encourage you to review the following pages carefully to learn all about the various invited speakers and their presentations.

Included in our program is a special Keynote Presentation on Saturday morning, being made by Dr. Richard Ellenbogen, who is the Chairman of the Department of Neurological Surgery at the University of Washington as well as the Director of the UW Medicine Neuroscience Institute. His presentation; “The 10 Things You Need to Know About Concussion,” promises to be extremely interesting as well as timely. I wish to acknowledge and thank Dr. Ellenbogen and all his UW colleagues for their contribution to our conference.

As always, there are a variety of submitted abstracts that will round out our specialty specific sessions. Please remember that the International College of Surgeons, as our educational partner, has worked closely with our Scientific Organizing Committee to develop additional programming that is of interest to all surgical specialties. On Friday and Saturday afternoon we will join ICS for several sessions including Practice Management, Ethics, and Trauma. I encourage every member of the Academy to participate in as many sessions as possible to earn the maximum number of CME credits.

I hope you have a wonderful experience here in Seattle for our annual meeting!

Sincerely,

A handwritten signature in black ink that reads "W. Craig Clark". The signature is written in a cursive, flowing style.

W. Craig Clark  
Chair, American Academy of Neurological & Orthopaedic Surgeons

# 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.



## **William E. Mathews, MD**

**NEUROLOGICAL SURGERY**

**WALNUT CREEK, CA**

**JULY 12, 1934 - AUGUST 30, 2016**

Dr. William E. Mathews, 82, died after a year long battle with lung cancer. Beloved by family, friends, colleagues and patients, he is sorely missed by all who knew him. He lived his life by this credo: "Do good whenever you can". He had a ready smile for everyone. He had friendships with people from all walks of life. He was described as "the last true gentleman".

He enjoyed the practice of Neurosurgery for over 50 years. He was particularly proud of being elected chairman of the American Academy of Neurological and Orthopaedic Surgeons. He had a keen mind for organization and was continually working on innovative ideas to advance the Academy. He was also proud of serving in Vietnam as a Major in the US Army. From his experiences there, he wrote a book on Intracerebral missile injuries. Aside from the practice of medicine, he enjoyed relaxing and doing pen and ink drawings, playing golf with friends, and going to restaurants and movies.

The time he spent with family was very important to him. He is survived by his wife of 29 years, Carol and his children: Valerie Mathews (Sean), Corey Siva (Chad, deceased), Marie Allison (Lon), Blair Mathews (Cherie), Kyle Mathews (Mona Lissa), nine grandchildren, and one great grandchild; his brother Doug Mathews and his sister, Barbara Wiles

# American Academy of Neurological and Orthopaedic Surgeons

## Board of Directors

### BOARD CHAIR

**W. Craig Clark, MD, PHD, FACS, FICS**  
Eads, TN

**Manuel Alzugaray, MD, FICS**  
Miami, FL

**Robert Mathews, MD, FICS**  
Millersville, PA

**David Wren Jr, MD, FICS**  
Richmond, CA

**Anca Bereanu, MD**  
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**Mark Perlmutter, MD, FICS**  
Mechanicsburg, PA

**Charles, Xeller, MD, FICS**  
Houston, TX

**Gene Bolles, MD, FICS**  
Boulder, CO

**Sudhir Rao, MD**  
Big Rapids, MI

**Lucia Zamorano, MD, FICS**  
Birmingham, MI

**Maxime Coles, MD, FICS**  
Coffeyville, KS

**R. Blaine Rawson, MD, FICS**  
Petosky, MI

**Honorary**  
**Kazem Fathie, MD, FICS**  
Las Vegas, NV

**Jeffrey Epstein, MD, FICS**  
Babylon, NY

**Quirico Torres, MD, FICS**  
Abilene, TX

**Tariq Lamki, MD**  
Columbus, OH

**David Weiss, DO**  
Morrisville, PA

## 2017 Scientific Organizing Committee

### CO-CHAIRS

**Maxime J.M. Coles, MD, FICS**  
Orthopaedic Surgeon  
Coffeyville, KS

**Lucia Zamorano, MD, FICS**  
Neurosurgeon  
Birmingham, MI

### MEMBERS

**Jeffrey Epstein, MD, FICS**  
Neurosurgeon  
Babylon, NY

**Charles, Xeller, MD, FICS**  
Orthopaedic Surgeon  
Houston, TX

**Mark Perlmutter MD, FICS**  
Orthopaedic Surgeon  
Mechanicsburg, PA

**W. Craig Clark, MD, PHD, FICS**  
Ex-officio  
Eads, TN

### CME ACCREDITATION INFORMATION

**COURSE SPONSOR** International College of Surgeons - United States Section An ACCME Accredited Provider

**Overall Course Objectives** The Annual Scientific Meeting 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 Scientific Meeting 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 a commercial interest prior to being included in the final program. This information is disclosed to the audience prior to the activity via the disclosure handout distributed at registration to each attendee. 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 16 AMA PRA Category 1 Credits. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



# Surgical Access for All

## Opening Reception

Thursday  
Atrium

June 15, 2017  
6:30pm-7:30pm

At the close of our first day; please join us at the Opening Reception for a glass or two of wine and take a moment to relax and reconnect with colleagues and friends.

Friday  
Evergreen Ballroom Salon F

June 16, 2017  
8:00am - Noon

## AANOS ANNUAL SCIENTIFIC MEETING NEUROLOGICAL AND ORTHOPAEDIC SURGERY - PART 1

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 have developed two days of programming that will provide approximately 8 hours of specialty specific category 1 credit. Many of the presenters are from the University of Washington Medical Centers in Seattle. Participants in these sessions will receive valuable updates on the following subjects.

**Moderator(s): W. Craig Clark, MD, Lucia Zamorano, MD & Charles Xeller, MD**

**Optimization of TLIF and ILIF Using Expandable Cages**  
**Lucia Zamorano, MD, FICS, FAANOS, Birmingham, MI**

**Advances in Skull Base Surgery**  
**Anoop Patel, MD, Seattle, WA**

**Update on the Management of Brain Tumors**  
**Manuel Ferreira Jr., MD, Seattle, WA**

**Surgical Management of Epilepsy**  
**Jeffrey G. Ojemann, MD, Seattle, WA**

COFFEE BREAK

**Advances in Sports Medicine**  
**Albert O. Gee, MD, Seattle, WA**

**The Latest in Reconstructive Hand Surgery**  
**Jeffrey Friedrich, MD, Seattle, WA**

**Complications of Instrumented TLIF in Adult Spondylolisthesis**  
**W. Craig Clark, MD, PhD, FICS, FAANOS, Eads, TN**

**Should We Attempt Early Withdrawal of Care or Expect Favorable Outcome in Patients with Severe Traumatic Brain Injury?**  
**Shankar P. Gopinath, MD, FICS, Houston, TX**

Friday  
Evergreen Ballroom Salon G&H  
June 16, 2017  
8am-9:45am

## GENERAL PLENARY SESSION 1

Representing 18 surgically related specialties, ICSUS CME programs are rich in diversity. The multidisciplinary educational sessions presented in this activity seek to provide content that improves the learner's competence, performance or patient outcomes through interaction with peers. Due to the scope of our global organization, ICSUS encourages participants from all specialties to interact and learn from one another, thereby building a broad base of knowledge.

**Moderators: Chand Ramaiah, MD & Arno Roscher, MD**

**Central Pancreatectomy-How I Do It**  
**Michael Jacobs, MD, FICS, Birmingham, MI**

**Common Femoral Thromboendarterectomy and Profundaplasty: A Single Center Experience**  
**Sibu Saha, MD, MBA, FICS, Lexington, KY**

**THE DR. ARNO ROSCHER ENDOWED LECTURE**  
**Genomic Medicine: Its Time Has Arrived**  
**Daniel Rader, MD, Philadelphia, PA**

**Complex Laparoscopic Liver Resection -Tips and Tricks**  
**Michael Jacobs, MD, FICS, Birmingham, MI**

COFFEE BREAK

Friday  
Evergreen Ballroom Salon G&H  
June 16, 2017  
10am-Noon

## CARDIOTHORACIC SURGERY SYMPOSIUM

The first surgical robot for standard clinical use was introduced in Canada in 1983. In 2014, surgical robots numbered in excess of 3,000 systems worldwide with 570,000 operations performed. While robotic surgery has provided an alternative to well-established open and laparoscopic approaches it is an expensive technology, the cost-effectiveness of which requires close study. Participants in this symposium will be provided with information that will enhance the decision making process for the use of a surgical robotic in cardiothoracic surgery cases. The advantages of a robot system over traditional VATS will also be contemplated during the symposium. This session will also include a Keynote Presentation by Dr. Edward Verrier, Professor in the Department of Surgery at the University of Washington in Seattle.

**Moderators: Francis J. Podbielski, MD & Chand Ramaiah, MD**

**Robotic Surgery: Overview, Economic Considerations, Public Policy Impact**  
**Francis J. Podbielski, MD, MS, FICS, Riverside, IL**

# 41<sup>st</sup> Annual Scientific Meeting

Robotic Lobectomy for Lung Cancer: The Moffitt Cancer Center Experience

**Jacques Fontaine, MD, FICS**, Tampa, FL

Expanding the Scope of Minimally Invasive Thoracic Surgery: Unique Advantages of Robotic Approach

**Wickii Vigneswaran, MD, MBA, FICS**, Maywood, IL

Robotic Training for the Future Surgeon: Approaches to Education of Surgical Residents in the U.S.

**Kenneth Henry Copperwheat, DO, FICS (Jr.)**, Chicago, IL

## Keynote Lecture

Competent vs Expert: How We View Ourselves as Surgeons, How Others View Us

**Edward D. Verrier, MD**, Seattle, WA

**Friday** **June 16, 2017**  
**Evergreen Ballroom Salon G&H 1:30pm-3:30pm**

## PRACTICE MANAGEMENT WORKSHOP

This session will provide attendees with valuable information about how to improve their surgical practice, avoid costly financial mistakes and protect hard earned assets. Avoiding unnecessary financial losses should be high on the agenda of every surgeon. Surgeons face significant liability risk from multiple exposures. Common liability traps, including new HIPAA risks associated with technology will be covered. In addition, the most important yet least understood role in a surgeon's business will be discussed, "Leadership." In addition, this session will include an update on upcoming changes to health care in America.

**Moderator: Andrew S. Klein, MD**

Analytics and Data Management Supporting the New Healthcare Landscape

**John S. Pirolo, MD**, Nashville, TN

Financial Mistakes Made Most Often by the Smartest Person in the Room: Tax and Financial Stories for Surgeons Ears Only

**Victoria Powell, JD**, Phoenix, AZ

Protect What You Make: Best Practices in Asset Protection

**David Mandell, JD, MBA**, Fort Lauderdale, FL

Leadership...Everything Starts at the Top

**Colonel (ret) Steven Seroka**, Las Vegas, NV

**Friday** **June 16, 2017**  
**Evergreen Ballroom Salon G&H 3:30pm-4:30pm**

## ANNUAL ETHICS FORUM: HEALTHCARE DISPARITIES CLOSE TO HOME

The International College of Surgeons and many other US based humanitarian aid organizations are very active in missions to the "third world" to correct medical disparities. There are however many areas within the United States that are as economically and medically deprived. An example illustrating how members of 567 federally recognized American Indian and Alaska Native Tribes and their descendants are eligible for services provided by the Indian Health Service, yet these individuals have long experienced lower health status when compared with other Americans. Lower life expectancy and the disproportionate disease burden exist perhaps because of inadequate education, disproportionate poverty, discrimination in the delivery of health services, and cultural differences. This session will present information about this unimaginable situation and allow for discussion between panelists and the audience in a highly interactive format designed to provoke thoughtful consideration by all.

**Moderator: Frank Bongiorno, MD**

Healthcare Disparities

**Frank Bongiorno, MD, FICS**, Murfreesboro, TN

Healthcare Disparities for Native Americans

**Mark Perlmutter, MD, FICS, FAANOS**, Rocky Mount, NC

Additional Panelists

**Frank Dalichow, MD**, Westminster, MD

**Johanna Di Mento, MD**, Westminster, MD

**Al Jecius, MD**, Whiteville, NC

**Friday** **June 16, 2017**  
**Evergreen Ballroom Salon G&H 4:30pm-6pm**

## GENERAL PLENARY SESSION 2

Participants from all specialties will benefit from the following multidisciplinary presentations. See description for General Plenary Session 1.

**Moderators: Dixon Santana, MD & Thomas D. Willson, MD**

Umbilical Hernia Repair in a Remote Surgery Center

**Raymond A. Dieter, Jr., MD, FICS**, Glen Ellyn, IL

Robotic Surgery in India

**Prof. Dr. Rajesh Chandulal Shah, FICS**, Ahmedabad, Gujarat, India

New Liver Anatomy Based on the Portal Segmentation and the Drainage Vein Reconstructed by CT Generated 3-D Image

**Munemasa Ryu, MD, FICS**, Chiba, Japan

3d Printing in Chest Wall Pathologies

**Marcelo DaSilva, MD, FICS**, Boston, MA

Mammary Analogue Secretory Carcinoma of The Parotid Gland - A Relatively New and Rare Salivary Gland Tumour

**Asiri Arachchi, MBBS**, Melbourne, Australia

# Surgical Access for All

Saturday  
Evergreen Ballroom Salon F

June 17, 2017  
8am-Noon

## AANOS ANNUAL SCIENTIFIC MEETING: NEUROLOGICAL AND ORTHOPAEDIC SURGERY PART 2

See Part 1 description on page 9

**Moderators: W. Craig Clark, MD & Shankar P. Gopinath, MD**

**Neuroprosthetic Platform for Cough and Respirations**  
**Raymond A. Dieter, Jr., MD, FICS**, Glen Ellyn, IL

**Use of Ultrasound for Management of Musculoskeletal Pathology**  
**Naga Suresh Cheppalli, MD, FICS**, Richland, WA

**Return to Play After Combined Ligament Knee Injury**  
**Naga Suresh Cheppalli, MD, FICS**, Richland, WA

**Use of Standalone Cages and Reduction of Adjacent Disease in Anterior Cervical Disc Fusion**  
**Lucia Zamorano, MD, FICS, FAANOS**, Birmingham, MI

**Lhermitte-Duclos Disease and the Spectrum of PNETs**  
**W. Craig Clark, MD, PhD, FICS, FAANOS**, Eads, TN

### KEYNOTE PRESENTATION

**The 10 Things You Need to Know About Concussion**  
**Richard Ellenbogen, MD**, Seattle, WA

COFFEE BREAK

**Moderator: Maxime Coles, MD & Naga Suresh Cheppalli, MD**

**Damage Control Surgery**  
**Gene Bolles, MD, FICS**, Denver, Colorado

**Surgical Fusion for the Treatment of Refractory Chronic Axial Low-back Pain in the Setting of Advanced Degenerative Disc Disease: The New Lumbar Fusion Outcome Score**  
**Tobias Mattei, MD**, Bangor, ME

**Surgical Treatment of Kyphotic Cervical Deformities: Therapeutic Algorithms, Pitfalls and Complications Avoidance**  
**Tobias Mattei, MD**, Bangor, ME

**The New Science of the Brain and Chronic Knee Pain Leading to Total Knee Replacement**  
**Robert Mathews, MD, PhD, FICS**, Millersville, PA

**Life of an Orthopedic Surgeon Motorcycle Crashes**  
**John Romito, MD**, Leawood, KS

Saturday  
Evergreen Ballroom Salon G&H  
June 17, 2017  
8am-9:45am

## GLOBAL SURGERY UPDATE

An integral component of our CME program is the understanding that education is not confined by national borders. Regardless of nationality or specialty, members of the ICSUS who attend our activities are provided with opportunities to share their professional expertise and experiences in the operating room, thus providing valuable feedback to an audience of general surgeons and surgical specialists with an interest in international surgery and medicine. Utilizing the international nature of the ICS as a global network of surgeons, members of ICSUS who attend this session will learn about techniques and approaches used in patient care all over the world and if appropriate take this information back to their practices.

**Moderators: Domingo Alvear, MD & Federico Gattorno, MD**

**International Education and Surgery**  
**Gene Bolles, MD, FICS**, Denver, CO

**Surgical Access For All - The European Approach**  
**Frank P. Schulze, MD, FICS**, Mulheim, Germany

**Introduction and Capacity Building of Neonatal Resuscitation Program of American Academy of Paediatrics in Pakistan**  
**Maqsood Elahi, MD, PhD, FICS**, Irving, TX

**The Value of Surgical Missions to Third World Countries is a Surgical Training Program**  
**Domingo Alvear, MD, FICS**, Mechanicsburg, PA

Saturday  
Evergreen Ballroom Salon G&H  
June 17, 2017  
10am-12pm

## COLORECTAL SURGERY SYMPOSIUM

Participants from all specialties will benefit from the following multidisciplinary presentations. See description for General Plenary Session 1. The latest advances in colon and rectal surgery as well as related areas will be disseminated during this highly informative symposium. Included will be updates on local resection for rectal cancer, the latest treatments of colon cancer, robotic sigmoidectomy, laparoscopic cholecystectomy and more.

**Moderators: Bryan Butler, MD & Robert C. Amajoyi, MD**

**Update on the Treatment of Colorectal Cancer**  
**Alessandro Fichera, MD**, Seattle, WA

**Transanal Approaches for Surgical Management of Rectal Cancer**  
**Greta Bernier, MD**, Seattle, WA

**Robotic Sigmoidectomy with Transrectal Specimen Extraction**  
**Bryan Butler, MD, FICS**, Buffalo, NY

# 41<sup>st</sup> Annual Scientific Meeting

Update on Colorectal Cancer Screening  
**Joseph Mills, MD**, Buffalo, NY

Successful Treatment in One Step Laparoscopic Procedure Using Same Ports Access for a Synchronous Presentation of Acute Cholecystitis and Acute Appendicitis  
**Federico Gattorno, MD, FICS**, Brooklyn NY

Laparoscopic Remnant Cholecystectomy After 52 Years of Open Cholecystectomy  
**Mohanad Elshiekh, MD**, Lubbock, TX

Prevention of Bowel Anastomotic Leak: Reinforcement Using Biologic Mesh  
**Larry S. Sasaki, MD, FICS**, Bossier City, LA

**Saturday** **June 17, 2017**  
**Evergreen Ballroom Salon G&H** **12pm-1:30**

## SPECIAL LUNCHEON PRESENTATION - THE DR. ANDRE CROTTI LECTURE

From a broad “surgical” perspective there are at least six major surgical challenges to providing access to care in Sub-Saharan Africa (SSA): Safe Anesthesia and Airway Management, Trauma, Women's Health, Cancer, Paediatric Surgery, and Analgesia. The disparities between SSA and what pertains in High Income Countries will be highlighted during this featured presentation.

**Moderator: Chand Ramaiah, MD**

Global Surgery - Challenges, Disparities, Initiatives, and Prospects - an Interim Report from a Sub-Saharan Perspective  
**John Tarpley, MD**, Nashville, TN

**Saturday** **June 17, 2017**  
**Evergreen Ballroom Salon G&H** **1:30pm-4pm**

## TRAUMA AND ACUTE CARE SURGERY FORUM

The specialty of Trauma and Acute Care Surgery is evolving constantly with new treatment options for a variety of injuries and conditions. This session will present unique cases and discuss the increasing need for trauma and emergency surgical coverage in different settings and situations. Included will be presentations that address the role of minimally invasive approaches to specific wounds.

**Moderators: Steven E. Brooks, MD & Sharique Nazir, MD**

Long-Term Outcomes of Geriatric Trauma Patients  
**Sam Arbabi, MD, MPH**, Seattle, WA

Adnexal Torsion in the Pediatric Age Group : A Rare but True Clinical Entity  
**Domingo Alvear, MD, FICS**, Mechanicsburg, PA

The Role of Minimally Invasive Surgery in the Trauma Patient  
**Sharique Nazir, MD, FICS**, New York, NY

Delayed Presentation of Traumatic Duodenal Perforation Leading to Early Emphyema  
**Karla Leal, MD**, Lubbock, TX

Aortoiliac Transection following Blunt Abdominal Trauma in a Child  
**Edward Daniele, MD**, Lubbock, TX

Complications of Chest Wall Non-Union with Serratus Muscle Dehiscence  
**Tracy Sambo, MD, FICS (Jr.)**, Chicago, IL

**Saturday** **June 17, 2017**  
**Evergreen Ballroom Salon G&H** **4:15pm-5:45pm**

## ANNUAL RESEARCH SCHOLARSHIP COMPETITION

Surgical Residents who have submitted research manuscripts will participate in this annual contest and present their research in an oral format. Manuscripts as well as oral presentations of all the competitors will be judged by a panel to determine the winners of various cash prizes. Attendees will be presented with fascinating information by some of the brightest minds in medicine – support the future of surgery by attending this session.

**Moderator: Mark N. Perlmutter, MD**

Exploring the Relationship Between Surgical Care Capacity and Output in Ghana: The Hidden Roles of Non-Material Structures and Processes  
**Barclay Stewart, MD MscPH**, Seattle, WA

New Technique: Minced Edge Transposition Graft (MET Graft)  
**Scott Moradian, DO**, Miami, FL

Esophageal Stents: a Single-Center Retrospective Review of Surgical Experience  
**Tessa Cartwright, MD, MPH**, Lexington, KY

Early Experience Implementing an Enhanced Recovery Protocol in a Community Hospital Setting  
**Nancy Panko, MD**, Forest Park, IL

# Social Events

## EXPLORE SEATTLE

Thursday  
June 16, 2016

Mt. Rainier Room  
4:00-5:00 PM

This event, geared towards Alliance members, spouses, and family members who are visiting Seattle during the Annual Meeting will provide attendees with an over-view of the history of the area, and an understanding of the not-to-be-missed highlights of the city during your visit. A local expert from the Seattle Convention and Visitor's Bureau will be your guide to our host city. **Free to all attendees, please register in advance.**

## ICS-US ALLIANCE BOARD OF DIRECTORS & GENERAL MEMBERSHIP MEETING

Thursday  
June 16, 2016

Mt. Rainier Room  
5:00-6:00 PM

Please join us to discuss Alliance plans for the Annual Meeting and beyond. If you have ever wondered what the Alliance is or does, then this meeting shouldn't be missed.

## WELCOME RECEPTION

Thursday  
June 16, 2016

Atrium  
6:30-7:30 PM

Our first day in Seattle ends with a cocktail reception. Join us as we kick off the 79th Annual Surgical Update!

## HONORS LUNCHEON

Friday  
June 17, 2016

Snoqualmie Ballroom  
Noon-1:30 PM

Please join us as the ICS-US inducts its New Fellows into the College and honor those who have contributed to the success of their meeting and section. Dr. Francis J. Podbielski will be formally introduced as ICS-US President-Elect.

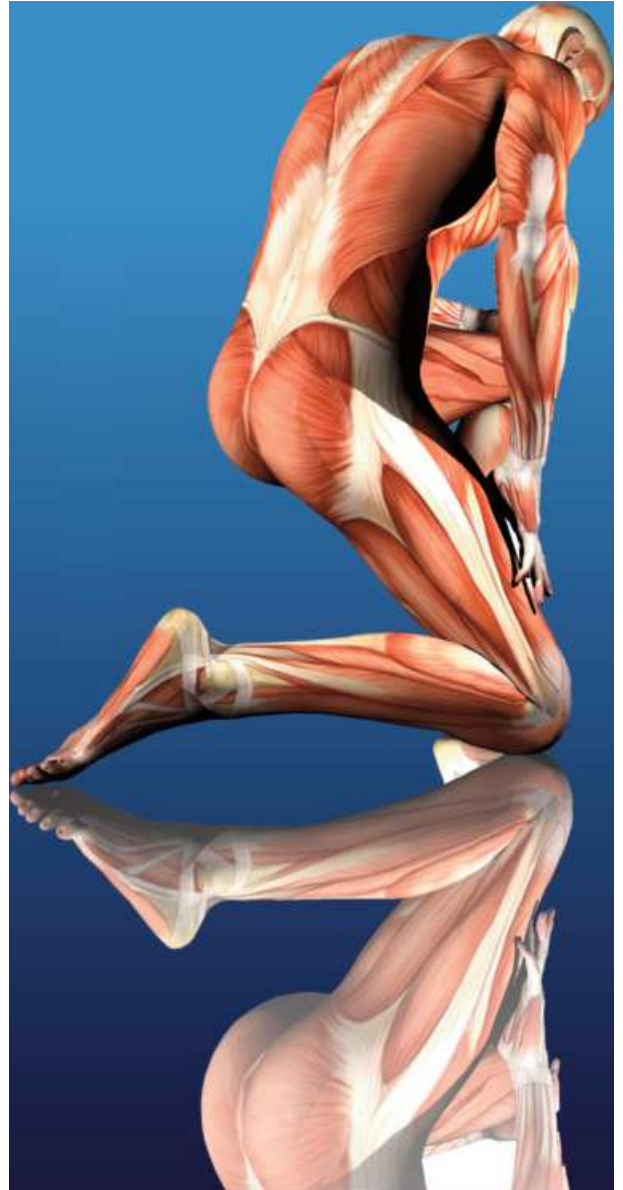
## CLOSING DINNER AND FUNDRAISER

Saturday  
June 18, 2016

Snoqualmie Ballroom  
7:00-10:00 PM

Join us as we come together for one last event before we bid farewell until next year. Chand Ramaiah, MD and W. Craig Clark, MD invite you to attend the combined closing dinner of ICS-US and the AANOS. The **black-tie optional event** will feature complimentary wine at your table, a cash bar, award presentations and live entertainment presented by **Sonic Strings** a quartet of musicians who have performed at prestigious events like the Grammys, American Music Awards, Good Morning America, and The Tonight Show.

**Price: \$125 per person. Tickets must be ordered in advance.**



## GENERAL INFORMATION

### Cancellation Policy

The cancellation deadline was May 24, 2017. Refunds will be issued, minus a \$75 processing fee, upon receipt of written notification via fax or mail. Verbal or written cancellations after May 24 will not be honored. Please allow four to six weeks after the meeting for your refund.

### 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.

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### Seattle Airport Marriott Shuttle

From baggage claim, go up one level to walk across the closest sky bridge. Once in the parking garage go down one level to level three. There are two pick up locations; island one and island three. The Marriott shuttle service is operated by Minute Park and Go and is a large white shuttle a fee of \$4.00 will be charged directly to the guest(s) account for use of the hotel shuttle.

The first shuttle leaves the hotel at 4:15am and continuously runs to the airport every fifteen minutes until 2am.

Hotel direction: 0.5 miles E

Estimated taxi fare: 7 USD (one way)

### Parking

Seattle Airport Marriott is providing discounted self-parking for our meeting attendees: \$5/day and overnight self-parking \$10/day. If you park at the hotel, please be sure to consult ICS-US staff onsite to request the negotiated rate coupon. Otherwise you will be charged the full rate for parking.

### Attire

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

### Special Needs and Questions

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 above. Every effort will be made to facilitate your request.

### Social Event Tickets

Tickets for social events MAY be available onsite on a VERY limited basis. However, staff is not responsible for events that are sold-out/unavailable or cancelled. Check with the Meeting Registration Desk as soon as possible.

### Meeting Registration

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

### Spouse/Guest Supplement

Anyone attending the meeting who is not a registered attendee should be registered as a spouse/guest. The \$150 fee covers the costs such as lunches, breakfasts and coffee breaks etc. This includes: Spouses, Domestic Partners and Relatives. This category is not appropriate for physicians who will attend CME Sessions.

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

### Speaker Prep Area

A laptop computer has been setup near the registration area. Speakers who did not submit their presentations in advance of the meeting should load their PowerPoint files the day before their presentation. Speakers may also use this laptop to preview/review their files.

### Continuing Medical Education (CME) Information

CME Program Evaluation Forms are included in each registrant's packet. To receive CME Credit, you must complete a Program Evaluation Form for each educational session you attend. Leave the packets intact, including any blank sessions.

Program Evaluation Forms must be completed and returned to the Meeting Registration Desk prior to the conclusion of the conference. You may also mail your forms to:

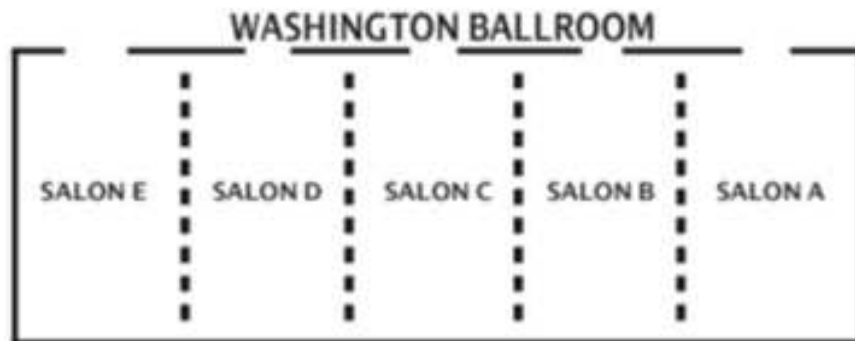
ICS-US Headquarters  
Department of CME  
1516 North Lake Shore Drive  
Chicago, IL 60610-1694

**The deadline for submission of all CME Program Evaluation forms is Tuesday, July 18, 2017.**

### Transcripts

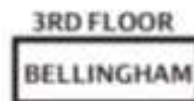
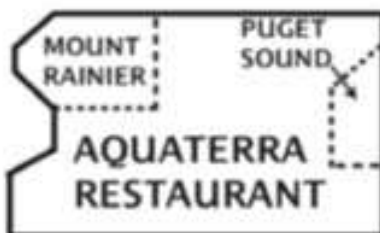
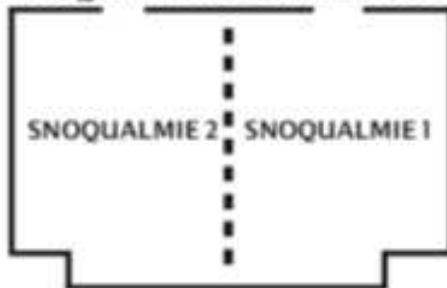
You must return your CME evaluation booklet to receive CME credit for this meeting. Transcripts will be made available to attendees 30 days after the conclusion of this meeting following completion of a post-meeting survey which will be emailed to you individually.

# Seattle Airport Marriott Floor Plan



**SEATTLE BALLROOM**

**SNOQUALMIE BALLROOM**



## SCHEDULE AT A GLANCE

THURSDAY  
JUNE 15, 2017

**FOYER**

Registration  
7:30 AM - 5:00 PM

**EVERGREEN BALLROOM SALON F**

Officer & Alliance Breakfast  
7:30 AM - 8:30 AM

**EVERGREEN BALLROOM SALON I**  
ICS-US Business Meetings

Endowment,  
Executive Committee,  
Standing Committees,  
CME Committee  
Board of Regents  
Executive Council and  
House of Delegates Meeting  
8:00 AM - 3:00 PM

**EVERGREEN BALLROOM SALON F**

Officers & Alliance Luncheon  
Noon - 1:00 PM

**EVERGREEN BALLROOM SALON G&H**

ICS General Session  
Addressing Trauma Care in (LMIC)  
Through Research & Outreach  
3:30 PM - 6:30 PM

**MT. RAINIER ROOM**

Explore Seattle Presentation  
and  
Alliance Board Meeting  
4:00 PM - 6:00 PM

**ATRIUM**

Welcome Reception  
6:30 PM - 7:30 PM

FRIDAY  
JUNE 16, 2017

**FOYER**

Registration  
7:30 AM - 5:00 PM

**EVERGREEN BALLROOM SALON I**

Breakfast  
7:30 AM - 8:30 AM

**EVERGREEN BALLROOM SALON  
G&H**

ICS General Session  
Plenary Session 1  
8:00 - 9:45 AM

The Dr. Arno Roscher Endowed  
Lecture  
8:30 - 9:15 AM

Cardiothoracic Surgery Symposium  
10:00 AM - Noon

Practice Management Workshop  
1:30 - 3:30 PM

Annual Ethics Forum  
3:30 PM - 4:30 PM

General Plenary Session 2  
4:30 - 6:00 PM

**EVERGREEN BALLROOM SALON F**

AANOS  
Neurosurgical and Orthopaedic  
Surgery Part 1  
8:00 AM - Noon

**EVERGREEN BALLROOM SALON I**

Coffee Breaks  
9:00 AM - 5:00 PM

**SNOOQUALMIE BALLROOM**

Honors Luncheon  
Noon - 1:30 PM

**SEATTLE BALLROOM 1&2**

AANOS Board of  
Directors Meeting  
4:30 PM - 6:30 PM

SATURDAY  
JUNE 17, 2017

**FOYER**

Registration  
7:30 AM - 4:15 PM

**EVERGREEN BALLROOM SALON I**

Breakfast  
7:30 AM - 8:30 AM

**EVERGREEN BALLROOM SALON  
G&H**

ICS General Session  
Global Surgery Update  
8:00 AM-9:45 AM

Colorectal Surgery Symposium  
10:00 AM - Noon

Lunch Presentation  
The Dr. Andre Crotti Lecture  
Noon-1:30 PM

Trauma & Acute Care Surgery Forum  
1:30 PM - 4:00 PM

Annual Research  
Scholarship Competition  
4:15 PM - 5:45 PM

**EVERGREEN BALLROOM SALON F**

AANOS  
Neurosurgical and Orthopaedic  
Surgery Part 2  
8:00 AM - Noon

**EVERGREEN BALLROOM SALON I**

Coffee Breaks  
9:00 AM - 5:00 PM

**SNOOQUALMIE BALLROOM**

Closing Dinner  
7:00 PM - 10:00 PM