

SURGICAL ACCESS FOR ALL

79TH ANNUAL SURGICAL UPDATE



SCIENTIFIC PROGRAM

June 15-17, 2017

AIRPORT MARRIOTT, SEATTLE

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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 greetings to all of those attending the 79th Annual Surgical Update of the International College of Surgeons – United States Section. For those of you visiting us, it is a privilege to welcome you to the beautiful Evergreen State.

I wish to thank your President, Dr. Chand Ramaiah, for choosing Seattle to host this meeting. 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 such talented and committed representatives of the national surgical community gathered here in our state. Please accept my best wishes for a rewarding and productive meeting.

Very truly yours,

Jay Inslee
Governor

Welcome from the
MAYOR OF SEATTLE, WASHINGTON



City of Seattle
Mayor Edward B. Murray

June 2017

Dear Distinguished Guests;

It is my distinct pleasure to welcome the Fellows and guests of the 79th Annual Surgical Update of the International College of Surgeons - United States Section to Seattle. We have much to offer guests to our city, I hope you take the time to explore.

I would like to personally thank your President, Dr. Chand Ramaiah, for choosing Seattle to host this meeting. It's an honor to learn that faculty from the University of Washington will be participating in such a high level surgical conference. I applaud your meeting goals to enhance overall technique, advance current surgical knowledge, foster continued training, and improve patient care. I hope you will find our city conducive to achieving your goals.

I hope you have a wonderful visit to our excellent museums, restaurants, world class zoo, and other attractions while you are here.

Congratulations to Dr. Ramaiah and everyone whose hard work and attendance has contributed to the success of your program. Best wishes for a memorable event and continued progress in the years to come.

Sincerely,

Edward B. Murray
Mayor of Seattle

WELCOME FROM THE
INTERNATIONAL COLLEGE OF SURGEONS WORLD PRESIDENT



Dear Fellows and Friends of the ICS United States Section:

It is my distinct honor and privilege to send this welcome greeting to all of you who are attending the ICS United States Section's "79th Annual Surgical Update" in Seattle, Washington, June 15-17, 2017.

In a world where differences, rather than commonalities, are currently being emphasized, it is particularly refreshing and relevant that the United States Section theme for this 2017 Surgical Update is "Surgical Access for All". Global differences must be bridged, with the diverse needs of the global population addressed at all levels. This is as true in the United States as around the world – it is noted that the exciting program for this annual meeting includes the relevance and importance of the health needs of the American Indian and Alaskan Native Tribes.

I compliment the United States Section for its rich history and for its dedication to the International College of Surgeons. All Fellows in the International College of Surgeons are deeply respectful of the ICS United States Section and its progressive thoughts and ideas. My primary goal during my two year administration of 2017-2018 is to bring the diverse aspects of the College together, as we can accomplish far more by working together than working separately.

It is with sincere regret that I will not be present with you in Seattle for this particular Surgical Update. My thoughts will be with all of you and I look forward to receiving the reports of the meeting, which I am certain will be excellent. I look forward to being with you at various other meetings during the course of 2017 and 2018. I give you my very best wishes for a successful and productive meeting!

Sincerely,

A handwritten signature in black ink, appearing to read "Manuel Huaman G.", written over a horizontal line.

Professor Manuel Huaman G.
World President
International College of Surgeons

Welcome from the
UNITED STATES SECTION PRESIDENT



Dear Colleagues:

It is with great pleasure that I welcome you to the 79th Annual Surgical Update of the United States Section of the International College of Surgeons. We are gathered here in Seattle, Washington at the Marriott Hotel to participate in this annual conference and experience the beautiful Pacific Northwest. The topics presented during our meeting, the theme of which is Surgical Access for All, will incorporate various aspects of global surgery that will demonstrate how this important concept impacts all our practices in some way. This activity will provide unique continuing education for the general surgeon and surgical specialist alike, providing both multidisciplinary and specialty specific educational content.

As you can see on the following pages, we have developed a high quality program that includes a number of special sessions. In keeping with our theme, we start on Thursday afternoon with a program that will focus on collaboration between US based institutions of higher learning and areas around the world that do not have the access to the medical and surgical care that we enjoy here in the United States. You will hear from experienced educators from the University of Massachusetts, Northwestern University and the University of Washington as they tell us about their respective projects.

I am extremely delighted that Dr. John Tarpley from Vanderbilt University in Nashville has agreed to participate. Dr. Tarpley will present the Dr. Andre Crotti Lecture during a special lunchtime presentation on Saturday. We also welcome Dr. Daniel Rader from the Perelman School of Medicine at the University of Pennsylvania who will present the Dr. Arno Roscher Endowed Lecture on Friday morning. A number of distinguished faculty members from the University of Washington have agreed to participate in our educational activity and will provide numerous updates on a wide range of topics. Included from UW is Professor Edward Verrier who will present a keynote lecture during our Cardiothoracic Surgery Symposium on Friday.

We are joined once again by the American Academy of Neurological and Orthopaedic Surgeons. They will conduct their 41st Annual Scientific Meeting where Professor Richard Ellenbogen from UW will present a keynote lecture during their Saturday session. On behalf of all International College of Surgeons Fellows I extend a warm welcome to our colleagues from the AANOS and wish them all the best for a successful gathering.

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 hope to see you there.

Welcome to Seattle and enjoy!

A handwritten signature in black ink, reading "Chand Ramaiah, MD, FICS". The signature is written in a cursive style with a horizontal line underneath.

Chand Ramaiah, MD, FICS
President, United States Section
International College of Surgeons

International College of Surgeons

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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 Recogni-

tion 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 19 AMA PRA Category 1 Credits. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

United States Section **PRESIDENT – ELECT**



INTRODUCING **FRANCIS J. PODBIELSKI, MD, FICS**

PRESIDENT **UNITED STATES SECTION – INTERNATIONAL COLLEGE OF SURGEONS**

FOR THE
TERM COMMENCING JANUARY 1, 2018

Dr. Podbielski is a native of Blue Island, Illinois. After graduating from Marist High School he attended the University of Chicago for six years, earning a B.A. degree with honors in Biology, and an M.S. degree in Human Biology. He graduated from Northwestern University Medical School and completed general surgery training at the Columbus Hospital in Chicago, and cardiothoracic surgical training at the University of Illinois at Chicago. He has been certified and re-certified by the American Board of Surgery and the American Board of Thoracic Surgery.

Most recently he served as the founding Director of the B.I. Deaconess – Plymouth Hospital (a Harvard teaching affiliate) Lung Cancer Program. He has held teaching appointments with the University of Massachusetts Medical School and currently is a Clinical Professor of Surgery at the University of Illinois at Chicago. He served as the Research Director of the Presence-St. Joseph Hospital (Chicago) general surgery training program for 20 years and has over 50 publications in peer-reviewed journals; he currently serves on the Editorial Board of the Journal of the Society of Laparoendoscopic Surgeons. Dr. Podbielski is in private practice in the south/southwestern suburbs of Chicago and is the Chief of Thoracic Surgery at the Jesse Brown V.A. Medical Center.

Dr. Podbielski is a Fellow of the American College of Surgeons, the American College of Chest Physicians, and the International College of Surgeons. He has served on the Board of Regents of the American College of Chest Physicians and is currently the President-Elect of the U.S. Section of the International College of Surgeons. He is a member of the Society of Thoracic Surgeons, the South-eastern Surgical Congress, the New England Surgical Society, and the Chicago Surgical Society.

An active volunteer both personally and professionally, Dr. Podbielski served several terms on the Chicago Area Council – Boy Scouts of America Board of Directors as the Vice-President of Development. He is currently a Board member of the International Museum of Surgical Science, a Past Grand Knight of Blue Island Knights of Columbus Council #1366, and a Knight of the Equestrian Order of the Holy Sepulchre of Jerusalem. He has served for over 15 years as the Vice-President of the M.I.M.A. Foundation and has participated on an annual basis with the group as a volunteer surgeon to rural Bolivia.

Dr. Podbielski and his wife Anna Montes enjoy their shared Scouting activities, dining adventures, and traveling the world.

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.

HOWARD JONES, MD

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79th Annual Surgical Update



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RECIPIENT OF

THE DR. ANDRE CROTTI AWARD

FOR

DISTINGUISHED SERVICE TO THE PROFESSION OF SURGERY

John Tarpley attended undergraduate and medical school at Vanderbilt and trained in surgery at the Johns Hopkins Hospital. He spent two years at the NCI, Surgery Branch during residency. Tarpley is a “general general” surgeon whose first career (1978-1993) was in a tertiary care mission hospital in Ogbomoso, Nigeria, where he directed the training for general practice house officers and helped establish a nursing school. He served as an Associate Lecturer in Surgery at the University College Hospital of the University of Ibadan College of Medicine during his years in Nigeria. He served several years at the Loch Raven VA in Baltimore and on the Johns Hopkins faculty.

“tarp”, as he is known, joined the Vanderbilt University Dept. of Surgery and the Nashville VA in 1993 as Associate Chief, Surgical Service, and Chief of General Surgery. He directed the Vanderbilt General Surgery Residency program as Program Director from 1995 to 2014. A professor of surgery and anesthesiology, now emeritus, he is also affiliated faculty in the Vanderbilt Institute for Global Health and established the first ACGME-approved international rotation for surgery residents. He has co-taught medical school electives in global health, spirituality in medicine, and history of medicine. He has received a number of teaching awards locally and nationally. In 2002 Tarpley received the ACGME’s Parker J. Palmer “Courage to Teach” Award and in 2006 the Pfizer-ACS Surgical Volunteerism Award. Tarpley has been actively involved in mentoring medical students and surgical trainees his entire career, particularly those persons interested in teaching and in global health. He served as president of the Association of VA Surgeons (AVAS) and president of the Association of Program Directors in Surgery. Tarpley received the Distinguished Service Award from the AVAS in 2016. The Society for Black Academic Surgeons elected him as an honorary member. He is a member of the American College of Surgeons, the West African College of Surgeons, the American Surgical Association, and others. Tarpley is a member of the Lancet Commission on Global Surgery. Surgical education, global health, the history of medicine, spirituality in medicine, and clinical surgery especially in the treatment of patients with hernias or esophageal cancer are major areas of interest.

After thirty years of government service, 28 as a VA surgeon, tarpley ‘retired’ June 30th, packed up July 1st, and returned to Africa at the AIC Kijabe Hospital, Kenya for July through December and then to Rwanda for a January through July assignment at the University Teaching Hospital Kigali, University of Rwanda under the auspices of the Brigham & Women’s Rwanda Human Resources for Health (HRH) initiative.

He and Maggie Tarpley are known as “team tarpley”. They have three sons, three daughters in law, and four grandchildren.

Surgical Access for All

Thursday
Evergreen Ballroom Salon G&H 3:30pm-6:30pm

June 15, 2017

OPENING SESSION: ADDRESSING TRAUMA CARE IN LOW/MIDDLE INCOME COUNTRIES (LMIC) THROUGH RESEARCH & OUTREACH

The global need for surgical care is significant. However, itinerant surgery leaves little for local communities who need a sustainable approach to quality surgical care, even in resource poor settings. The practice of global surgery creates new challenges for health care providers who have an interest in these humanitarian activities. Participants in this didactic session will be presented with models of collaboration that have worked. Delineation of strategies for collaboration will include solutions that have been developed to ensure outstanding patient care delivery in these challenging environments.

Moderators: Thav Thambi-Pillai, MD & Heena P. Santry, MD

IMPROVING TRAUMA CARE IN RURAL GUJARAT INDIA

The Rationale for Global Surgery Research and Outreach

Heena P. Santry, MD, MS, FICS, Worcester, MA

Implementation of a Three Aim Project to Improve Injury Care at the Charotar Arogya Mandal Comprehensive Medical Complex

Abraham Jaffe, MD, Worcester, MA

DEVELOPING BOLIVIA'S TRAUMA AND EMERGENCY RESPONSE SYSTEM

Rationale for Implementation of Northwestern's Trauma and Surgical Initiative

Marissa Boeck, MD, MPH, New York, NY

Implementation of a Regional Trauma Registry in Bolivia through Hospital and Policymaker Engagement

Marissa Boeck, MD, MPH, New York, NY

UNIVERSITY OF WASHINGTON DEPARTMENT OF GLOBAL HEALTH

Strengthening the Prevention and Treatment of Injuries Globally

Charles Mock, MD, MPH, PhD, Seattle, WA

UNIVERSITY OF MASSACHUSETTS

The Chair's Perspective: Our Imperative to Support Global Surgical Collaboratives

Demetrius E.M. Litwin, MD, MBA, FICS, Worcester, MA



Opening Reception

Atrium 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.

Moderators: 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



79th Annual Surgical Update

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

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
Evergreen Ballroom Salon G&H

June 16, 2017
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

Surgical Access for All

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

ANNUAL ETHICS FORUM: HEALTHCARE DISPARITIES CLOSE TO HOME
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. This session will present information about health care disparities of Native American and Alaska Native Tribes. A panel of experts will discuss the disproportionate disease burden that has been experienced by these individuals when compared with the average American. The session is presented in a highly interactive format that will provoke thoughtful consideration and discussion by all.

Moderators: Frank Bongiorno, MD

Healthcare Disparities
Frank Bongiorno, MD, FICS, Mufreesboro, 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
Evergreen Ballroom Salon G&H **June 16, 2017**
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

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 15

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

79th Annual Surgical Update

Saturday **June 17, 2017**
Evergreen Ballroom Salon G&H 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 **June 17, 2017**
Evergreen Ballroom Salon G&H **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

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

Surgical Access for All

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

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

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

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

Dr. Thomas Mincheff and the entire Hartsville Surgical Center LLP

would like to extend their best wishes to

Dr. Chand Ramaiah and the United States Section

for a successful 79th Annual Surgical Update

Thomas V. Mincheff, MD, FACS, FICS
Hartsville Surgical Center LLP
General, Laparoscopic, Endoscopic
& Endovascular Surgery

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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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Stephen D. Conrad	Earl T. Hecker	Thomas Mincheff	Sibu P. Saha	
	Marnix E. Heersink	W. Stephen Minore	Navdeep S. Samra	

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.**

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 we induct our section's New Fellows into the College and honor those who have contributed to the success of our meeting and our section. Dr. Francis J. Podbielski will be formally introduced as 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.

2017 New Fellows

ROBERT CHIDIEBERE AMAJOYI, MD
COLON AND RECTAL SURGERY

JASNEET SINGH BHULLAR, MD
COLORECTAL SURGERY

NAGA SURESH P. R. CHEPPALLI, MD
ORTHOPEDIC SURGERY

ROBERT L. DAVIS, MD
TRAUMA, SURGICAL CRITICAL CARE

E. JEFFREY DONNER, MD
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FEDERICO L. GATTORNO, MD
GENERAL/MINIMALLY INVASIVE SURGERY

BERNARDO A. GONZALEZ, MD
GENERAL SURGERY

SHANKAR PRAKASH GOPINATH, MD
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HEENA P. SANTRY, MD
ACUTE CARE SURGERY

THOMAS DAVID WILLSON, MD
PLASTIC/RECONSTRUCTIVE SURGERY

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.

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.

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.

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:

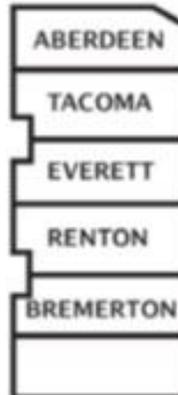
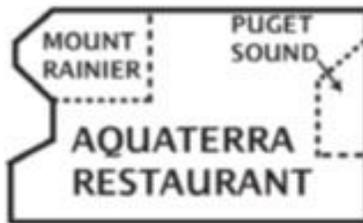
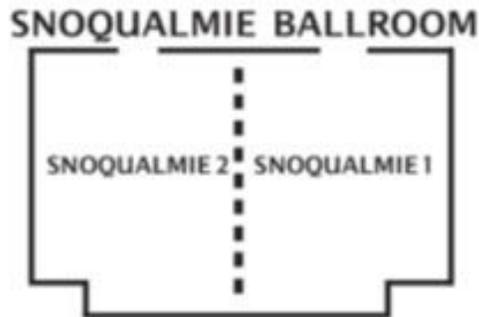
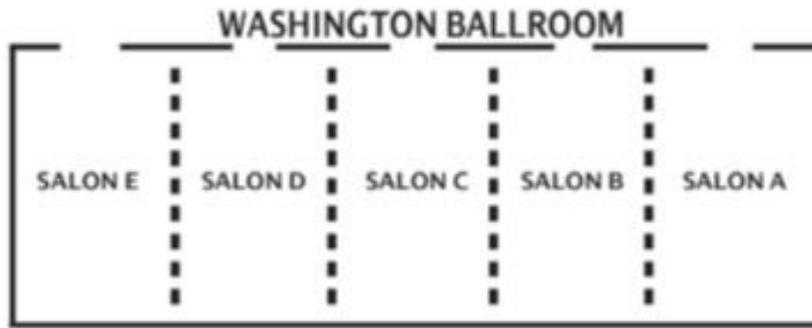
ICS-US Headquarters
Department of CME
1516 North Lake Shore Drive
Chicago, IL 60610-1694

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



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
General 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

SNOQUALMIE 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

SNOQUALMIE BALLROOM

Closing Dinner
7:00 PM - 10:00 PM