International College of Surgeons
United States Section

73rd Annual Surgical Update
June 8-11, 2011

Program Registration
Trauma: The branch of surgical medicine that deals with treating injuries caused by an impact. As Trauma will be the focus of our 73rd Annual Surgical Update, we can easily sum this year’s conference up in one word; IMPACT!

So just what is the impact of our continued research, development and training? And what do we do when it is our patient that is the subject of IMPACT?

Dear Colleagues,

There are changes in the global community and global climate, signs if you will, that impact our educational process and identify a necessity to address “Trauma and Critical Care Surgery” in a multidisciplinary setting. Whether urban or rural we need to understand how to deal with surgical dilemmas, medical disaster response, and surgical team participation.

I, along with the ICS-US Council of Specialty Group Chairs are pleased to invite you to participate in our 73rd Annual Surgical Update as we are preparing to take you on an amazing journey, serving as your “tour guides” by sharing our expertise and experiences. In every community, whether urban, rural, or impoverished, there continues to be a need for surgical and medical teams to evaluate and treat the ill and the severely injured. Our 73rd Annual Surgical Update will provide the educational venue for the complex operative and critical care surgical challenges, with major trauma being the epitome of these challenges.

This theme will be continued as we include an update to a course that made it’s debut in 2010, as we continue to address the role of surgical and medical professionals for humanitarian relief and disaster response and preparedness. Led by a team of ICS Fellows, course faculty who have served in the “heat of battle” will share their experiences for saving patients’ lives. Whether it is limited space, limited medical personnel, or just trying to quickly determine how to manage more patients than a facility can possibly process, the program will provide concrete information for individuals willing to take on these roles. Whether you are actively involved in these types of programs, our current reality is that every physician serving in a hospital clinical setting has the potential to be called upon for disaster and/or mass casualty response and the information provided here will be beneficial when it comes to understanding and successfully fulfilling those responsibilities.

Plan to join us in Portland, Oregon, June 8-11, 2011 for an exciting week of outstanding scientific programming. Review the schedule provided in this brochure for a brief look into all the activities taking place.

Know what to do when it is your patient that is the subject of IMPACT!

Sincerely,
Dinesh Ranjan, MD, FICS
United States Section President
Key Note Speaker

We are pleased to have Internationally renowned advocate for injured patients Dr. Donald D. Trunkey, Professor of Surgery, Section of Trauma and Critical Care, Oregon Health & Science University, Portland, Oregon provide this year’s Key Note Address The Impact of Health Care Reform on Surgery, will be presented during the Trauma: Dealing with Dilemmas session on Thursday, June 9.

ICS World President’s Lecture

Former United States Section President and current World President, Said A. Daee, MD, a Trauma Specialist from Greenbelt, Maryland, practicing in Washington, DC will present; Interventions in Trauma, as part of the Trauma: What’s New session on Saturday, June 11. Dr. Daee joined ICS in 1986. He was the United States Section President in 1995 and 1996. Dr. Daee will serve as the ICS World President through the end of 2012.

Honorary Fellow Lecture

This year’s Honorary Fellowship Recipient, Byers W. Shaw, Jr., MD, Musselman Centennial Professor, Department of Surgery, College of Medicine, Medical Director, Advanced Clinical Application Program, University of Nebraska Medical Center, Omaha, NE will present on one of his current passions and how Computers Should Make It Easy to speed patient management with an infusion of humanities and trauma. You may observe this presentation during the Trauma: What’s New session on Saturday, June 11.

Dr. Arno A. Roscher Annual Endowed Lecture

Arno A. Roscher, MD, FICS (HON.) FCAP, FASCP, ICS World Governor, Los Angeles, CA, will be presenting: Ira A. Shulman, MD, Professor of Pathology, Keck School of Medicine, University of Southern California, Director of Laboratories, Los Angeles County/USC Medical Center, Transfusion Services, USC Norris Cancer Hospital, Los Angeles, CA, who will present: Critical Bleeding and Coagulopathy Following Trauma; Implications for Blood Product and Coagulation Factor Replacement Therapy, as part of the Trauma: What’s New session on Saturday, June 11.

Special Luncheon Presentation

Join us at lunch on Friday, June 10th for The International College of Surgeons: A 42-Year Journey as presented by Arno A. Roscher, MD. From his time of acceptance as a Fellow in 1968, Dr. Roscher became extremely active on both the national and international level. He has served on various scientific committees throughout the years, including President and Regent of the California State Chapter. He has been a Vice President of the US Section and continues to serve as an ICS World Governor. He was the Scientific Chairman for more than 20 Medical/Surgical Symposia, and has authored and presented over 100 articles and abstracts. In 2004, Dr. Arno Roscher was awarded an Honorary Fellowship in the College for his life-long commitment to our mission and goals.

“Man—whether in the womb of the masses, or with his workmates, or with his family, or alone—can never for one moment forget that he is living in a world in which he is a means and whose end is not his business.”

--Alberto Moravia, Italian Writer
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 24 AMA PRA Category 1 Credits. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Course Sponsor
International College of Surgeons-United States Section
An ACCME Accredited Provider

President, United States Section
Dinesh Ranjan, MD, Iron Mountain, MI

Chair, Council of Specialty Group
Uretz J. Oliphant, MD, Urbana, IL

Chair, CME Committee
Larry S. Sasaki, MD, Bossier City, LA

The participation and cooperation of other surgical societies is very instrumental when it comes to meeting our educational mission as well as our multidisciplinary approach to these educational activities.

We are pleased to have the American Academy of Neurological and Orthopaedic Surgeons once again holding their Annual Scientific Meeting in conjunction with this conference. The Academy will present neurological and orthopaedic didactic sessions on Friday, June 10th and Saturday, June 11th. Refer to pages 11 and 12 for preliminary information about the Academy’s program.

Trauma and Critical Care I: Dealing with Dilemmas
Thursday, June 9
8:00am-5:00pm

This session will utilize the talents, expertise and training of our own Specialty Group Chairs and invited faculty. Working together, they will offer a multidisciplinary approach to describe innovative, appropriate techniques and technology for optimal care of the injured or seriously ill patient; discuss treatments, techniques and technology for optimal care in critical care settings; discuss appropriate surgical response to injuries and illness with added complications such as obesity and pregnancy. The ethical dilemmas of trauma will also be a focus of this activity.

Accessibility to this information through lectures, videos, and power-point presentations will be key to your continuing professional development. These presentations are not merely limited to those members who hold professorships, but they include the trials and triumphs of research from our Junior Fellows and Residents and the case presentations of practicing clinicians.

Opening Ceremony – Welcome and Introductions
Dinesh Ranjan, MD, FICS, United States Section President, Chief, Surgical Services, Oscar G. Johnson VA Medical Center, Iron Mountain, Michigan.

The Impact of Health Care Reform on Surgery
Donald D. Trunkey, MD, FICS (HON.) Professor of Surgery, Section of Trauma and Critical Care, Oregon Health & Science University, Portland, OR

Management of the Open Abdomen
Anthony N. Dardano, DO, FICS, ICS-US Co-Chair Division of Plastic Surgery, Voluntary Assistant Professor of Surgery, Miller School of Medicine, University of Miami, Miami, FL

Orthopaedic Trauma Priorities
Maxime J.M. Coles, MD, FICS, ICS-US Chair, Division of Orthopaedic Surgery, Orthopaedic Surgeon, Traumatologist, Girard Medical Center, Girard, KS
Complications of Inhalation Injury in Burns: ARDS, Pneumonia, and Death
Sharmila Dissanaike, MD, FICS, Associate Professor, Department of Surgery, Texas Tech University Health Sciences Center, Lubbock, TX

Anesthesia and Critical Care in the Disaster Environment: Implications for the Surgical Care Team
Destiny Chau, MD, Department of Anesthesiology, University of Kentucky Medical Center, Lexington KY

Implementation of a Resuscitation Cart for Patients with Severe Sepsis and Septic Shock
Kevin W. Hatton, MD, FICS, Assistant Professor of Anesthesiology and Surgery, University of Kentucky, Chandler Medical Center, Lexington, KY

Use of the Human Patient Simulator to Teach Withdrawal of Care and DCD in the Non-Resuscitable Trauma Patient
Zaki-Udin Hassan, MD, FICS, ICS-US Chair, Division of Anesthesiology, Assistant Professor of Anesthesiology, University of Kentucky, Lexington, KY

Closing Remarks and Announcements
Dinesh Ranjan, MD

Portland’s Japanese Gardens; a lovely spot to relax after the day’s education session.
The Scholarship and Research Committee of the ICS-US Section extended its annual invitation to medical students, fellows, and residents in general surgery and all surgical specialties (including anesthesiology, pathology and radiology) to submit an original clinical research paper with pertinent clinical application for this annual competition with an overwhelming response. All papers will first be judged and scored by the members of the ICS-US Section Scholarship Committee prior to their presentation at this conference. An additional panel of judges will be assembled at this conference to score the oral presentation of the research. Scores from both panels will be totaled and the winners announced at the Convocation.

Intra-Tumoral Acetic Acid Injection Eradicates Human Prostate Cancer Tumors in a Murine Model
Jasneet Singh Bhullar, MD, Resident, General Surgery, Department of General Surgery, Providence Hospital and Medical Centers, Southfield, MI

Laparoscopic Liver Resection
Darin Doumite, MD, Louisiana State University Health Science Center, Shreveport, LA

Pneumonectomy for Primary Pulmonary Malignancy: An Outcomes Analysis of 100 Consecutive Cases
Rohan, J. Kalathia, MS3, University of Kentucky, College of Medicine, Lexington, KY

Effect of Antifibrinolytic Prophylaxis for On-Pump Cardiac Surgeries on Post Operative Bleeding and Mortality
Abhinav Koul, BS, MS3, University of Kentucky, College of Medicine, Lexington, KY

Surgical Resident Training Using Real-time Simulation of Cardiopulmonary Bypass Physiology and Complications with Integration of Echocardiography
Jeremiah T. Martin, MD, Department of Surgery and Anesthesiology, University of Kentucky Medical Center, Lexington, KY

Our competition will conclude with a special presentation by Dr. Robert S. Mathews who back in the 1970s was a participant and award recipient of this competition for his research on total hip replacement. Dr. Mathews will revisit this presentation and note the advancements made in this area since his original presentation in the 1970s. This presentation is in recognition of his inception and lead contributory for a “giving-back” program to support and assist the future generation of medical students and residents in training.

Comparison of Open versus Laparoscopic Adrenalectomies
Matt Sanders, PGY, Louisiana State University Health Science Center, Shreveport, LA

Laparoscopic versus Open Peritoneal Dialysis Catheter Placement: A Single Institution Experience
Jean L. Sheng, MD, ICS Junior Fellow, Louisiana State University Health Science Center, Shreveport, LA

Minimally Invasive Training During Surgical Residency
Gokulakkrishna Subhas, MD, ICS Junior Fellow, Resident in Surgery, Department of Surgery, Providence Hospital and Medical Center, Southfield, MI

Clinicopathological Significance of Expression of Estrogen Receptor-Beta, Progesterone Receptor and Vascular Endothelial Growth Factor-A in Colorectal Cancer
Deepa Taggarshe, MD, Resident in Surgery, Department of Surgery, Providence Hospital and Medical Center, Southfield, MI

Receptor Changes in Metachronous Breast Cancer; Our 10 Year Experience
Amruta Unawane, MD, PGY-1, Department of Surgery, Providence Hospital and Medical Center, Southfield, MI

Cholecystectomy on the Steppe: Sustainable Laparoscopy in Mongolia
Gabriela Vargas, MD, Resident in Surgery, University of Utah, Department of Surgery, Salt Lake City, UT

Our competition will conclude with a special presentation by Dr. Robert S. Mathews who back in the 1970s was a participant and award recipient of this competition for his research on total hip replacement. Dr. Mathews will revisit this presentation and note the advancements made in this area since his original presentation in the 1970s. This presentation is in recognition of his inception and lead contributory for a “giving-back” program to support and assist the future generation of medical students and residents in training.

The Latest Clinical Surgical Total Hip Replacement Advancements in Painful Osteoarthritis of the Hip
Robert S. Mathews, MD, FICS, Orthopaedic Spine and Sports Center, Lancaster, PA
The International College of Surgeons: A 42 Year Journey
Luncheon 12:00pm-1:15pm
Featuring: Arno A. Roscher, MD, FICS, (HON.), ICS World Governor, Los Angeles, CA. Please see the description for this presentation on page 3.

Scientific Papers
Friday, June 10 1:30pm-5:30pm
This session is a forum where abstracts focusing on research and clinical cases across the surgical spectrum are presented.

A Comparative Study of Fine Needle Aspiration Cytology and Fine Needle Non-Aspiration Cytology Technique in Lesions of the Thyroid Gland
Saurabh Agrawal, MD, Assistant Professor of Surgery, Manipal Hospital, Kasturba Medical College, Manipal University, Manipal, India

Venous Thromboembolism Prophylaxis in Minimally Invasive Cancer Resection: A Systematic Review of the Literature
Erwin W. Gilbert, MD, MIS Fellow, Department of General Surgery, Oregon Health & Science University, Portland, OR

Surgery for Clostridium Difficle Colitis: A Shift in Paradigm
Siva Vithiananthan, MD, FICS, Associate Professor of Surgery, Chief, Minimally Invasive and Bariatric Surgery, The Miriam Hospital, Alpert Medical School, Brown University, Providence, RI

Radio Frequency, Minimally Invasive In-Office Procedure for Stress Urinary Incontinence
Simon M. Willis, B.Sc., MS II, and Arnold J. Willis, MD, FICS, All Saints University of Medicine, Aruba

Early Gracilis Flap Closure Beneficial for Complex Perineal Wounds: Case Series for Oncologic and Inflammatory Perineal Wound Management
Matthew D. Malamet, MD, FICS, Chief Resident, Division of Plastic Surgery, Albany Medical College, Albany, NY

Laparoscopic Whipple: How I Do It
Michael Jacobs, MD, FICS, Clinical Professor of Surgery, Section Chief, General Surgery, Director HPB Program, St. John/Providence Health System, Southfield, MI

Case Report and Review of Literature: Domino Liver Transplantation using Liver from the Patient with Familial Amyloidosis Polyneuropathy
Atta Nawabi, MD, FICS, Assistant Professor of Surgery and Abdominal Transplantation, University of Kansas Medical Center, Kansas City, KS

Role of Multi-Detector CTA in Diagnostic Work-Up of Acute GI bleed in a Community Setting
Fady Abdelsayed, PGY3, Radiology Resident, Providence Hospital, Southfield, MI

Computed Tomography of the Chest: Indications and Utilization in a Community Hospital Setting
Francis J. Podbielski, MD, FICS, Associate Professor of Thoracic Surgery, University of Massachusetts Medical Center, Plymouth, MA

The Value of Mediastinoscopy in the Management of Thoracic Disease
Nyal Borges, MS3, College of Medicine, University of Kentucky, Lexington, KY

Anorectal Malformation: Newborn Management
Domingo T. Alvear, MD, FICS, Chief, Division of Pediatric Surgery, Pinnacle Health System, Harrisburg, PA

A New Technique to Salvage Arteriovenous Fistula with Aneurysmal Degeneration for Immediate Post-Operative Use
Nosratollah Nezakatgoo, MD, FICS, Associate Professor of Surgery, Methodist University Hospital Transplant Institute, Memphis, TN

Surgical Management of Complicated Pulmonary Hydatid Cyst
Chand Ramaiah, MD, FICS, Associate Professor of Surgery, Director, Heart Transplantation and Minimally Invasive Cardiac Surgery, University of Kentucky, Lexington
Diastolic Heart Failure in the Post Operative Heart: Diagnosis and Management
Ahmed Alsaddique, MD, Professor, Head of Cardiac Surgery, King Fahad Cardiac Center & College of Medicine, King Saud University, Riyadh, Saudi Arabia

The Impact of Borderline Rejection on Long-Term Kidney Allograft Function and Patient Survival
Mark Laftavi, MD, FICS, Associate Professor of Surgery, Chief Division of Transplantation, Buffalo General Hospital, Buffalo, NY

Trauma and Critical Care II: What’s New
Saturday, June 11 8:00am -12:00pm

This session, a continuation of Thursday’s session on “Dealing with Dilemmas,” will again offer a multidisciplinary approach to describe innovative, appropriate techniques and technology for optimal care of the injured or seriously ill patient. Discussions of techniques and technology for optimal care from Thursday’s session and this session will segue the learner into an exploration of the many ethical issues that may arise when dealing with traumatic patients.

Honorary Fellow Lecture: Computers Should Make It Easy
Byers W. Shaw, Jr., MD, Musselman Centennial Professor, Department of Surgery, College of Medicine, University of Nebraska Medical Center, Omaha, NE

ICS World President’s Lecture: Interventions In Trauma
Said A. Daee, MD, FICS, Greenbelt, MD

Arno A. Roscher Annual Endowed Lecture: Critical Bleeding and Coagulopathy Following Trauma; Implications for Blood Product and Coagulation Factor Replacement Therapy
Ira A. Shulman, MD, Professor of Pathology, Keck School of Medicine, University of Southern California, Director of Laboratories, Los Angeles County/USC Medical Center, Transfusion Services, USC Norris Cancer Hospital, Los Angeles, CA

Modern Trauma Resuscitation Theory
Mallory Williams, MD, FICS, Associate Professor of Surgery, Chief of Trauma, Critical Care and Acute Care Surgery, University of Toledo College of Medicine, Trauma Medical Director and Director of the Surgical ICS, University of Toledo Medical Center, Toledo, OH

The Increasing Role and Applications for the Volume Diffusive Respirator in Trauma
Seth Izenberg, MD, FACS, Associate Medical Director, Trauma Services, Legacy Emanuel Hospital, Portland, OR

Rib Plating for Flail Chest: Indications and Operative Techniques
William Long, MD, FACS, Medical Director, Trauma Services, Legacy Emanuel Hospital, Portland, OR

Cardiothoracic Surgical Critical Care: Principles, Goals and Direction
Hisham M.F. Sherif, MD, FICS, Department of Cardiothoracic Surgery, Christiana Hospital, Newark, DE

Head and Neck Trauma – Acute Care and Late Reconstruction
Juliana E. Hansen, MD, FACS, Chief, Division of Plastic & Reconstructive Surgery, Program Director, Plastic & Reconstructive Surgery Residency Program, Associate Professor, Department of Surgery, Oregon Health & Science University, Portland, OR

Redefining “Brain Death” for Unstable Trauma Patients with Irreversible Brain Injury
William Long, MD, FACS

Deborah Butterfield Horse Sculptures...
In 1995 the Portland International Airport commissioned Deborah Butterfield for an exhibit of her horse sculptures for which were placed along the drive as one leaves the airport.
Surgical and Medical Ethics in Trauma and Critical Care  
Saturday, June 11  1:00pm-3:30pm

The “Ethics Forum” at our Annual Scientific Meetings continues to be one of the best attended and most popular sessions. At this year’s meeting we will introduce a new element to this portion of the meeting presenting representative cases which emphasize ethical issues in the area of trauma and critical care. These cases may have been previously discussed or even adjudicated in one’s local environment or not. The presentation of each case will be selected and presented by the Ethics Session Moderator and not the submitter of the case in order to retain objectivity. Of course names of patients would be masked and the submitter would or would not be named depending on their preference. The discussion will be moderated and open to the audience with strict time restrictions set on individual response to keep discussion plenary.

Session Chair
Frank Bongiorno, MD, FICS, Member Bioethics Committee, Michigan Medical Society and Embryonic Stem Cell Task Force, Wound Specialists of Ann Arbor, Ann Arbor, MI

Meeting Criteria for CME Ethics and Professional Responsibility
In addition to our break-out session on Ethics, the Opening Session for Trauma and Critical Care: Dealing with Dilemmas, and Trauma: What's New will also address some of the ethical issues that physicians face in times of emergency. A portion of this course and the Ethics session will meet several state criteria for CME Ethics and/or Professional Responsibility.

Acceptance will vary by state and you will need to complete the appropriate documentation when submitting your credit hours for state licensure.

Surgical Outreach: International Missions and Austere Environments-Report from the Fellows  
Saturday, June 11  3:45pm-5:15pm

A primary mission of the International College of Surgeons is to share our treasure of expertise and help lighten an often unbearable load of surgical disease. Our College offers many avenues through which this can be done. However well intentioned, we cannot do this work alone and, as with the surgical teams of our daily work, collaboration with others strengthens us all.

This session will showcase ICS Fellows involved in our Surgical Missions and allow them to share their insights into their motivation, accomplishments, and the lessons learned as they relate to their humanitarian contributions in Haiti, Vietnam, Iraq, and the Philippines.

Session Chair
Gazi Zibari, MD, FICS, Professor of Surgery, Malcolm Fiest Endowed Chair in Transplant Surgery, Director of W.K./Louisiana State University Regional Transplant Program, LSU Health Science Center, Shreveport, LA

Art and History Converge in Portland

Portland got its name when Asa Lovejoy and Francis Pettygrove flipped a coin in 1845. Lovejoy was from Massachusetts and wanted to name the new settlement Boston. Pettygrove was from Maine and wanted to name it Portland. Pettygrove won the coin toss two out of three times and the rest as they say is history.

First & Stark Streets, Portland Oregon, Circa 1852

The historic “Portland” sign was salvaged from an old movie palace. It is now attached to another gorgeous old movie house that is used as a performing arts space. The renovated, historic venue is called the Arlene Schnitzer Concert Hall. It is home to the Oregon Symphony and also used for concerts, lectures and other performances. Credit: David Falconer
The focus of the course will be to introduce the current trends in minimally invasive colon surgery including hand-assisted and laparoscopic techniques. Didactic content will address criteria for patient selection, procedural indications and contraindications, minimally invasive techniques and management of potential complications.

Upon completion of this course, participants should be able to: Discuss the evolution of minimally invasive colorectal procedures; Define patient selection, preparation and positioning for an open procedure; Demonstrate minimally invasive techniques for colorectal surgery in a faculty-guided cadaveric lab.

A separate registration fee of $250.00 in addition to the PAID general registration fee is required! Registration in advance is required as space is limited and will be assigned on a first come-first served basis.

Component Separation For Complex Abdominal Wound Closure: Didactic and Cadaveric Lab Series

Saturday, June 11  Part I: Lecture Series  10:30am-Noon
Part II: Hands-On Workshop  12:30pm-3:30pm

Producer
Anthony N. Dardano, DO, FICS, ICS-US Co-Chair Division of Plastic Surgery, Voluntary Assistant Professor of Surgery, Miller School of Medicine, University of Miami, Miami, FL

Offering a comprehensive review of pre-clinical and clinical data this session will discuss the open component separation for complex abdominal wound closure including the selection of reinforcement materials and the techniques for optimizing clinical outcomes. Participants will have the opportunity to practice the procedures discussed, including the challenges of ventral hernia repair in a hands-on cadaveric lab.

A separate registration fee of $250.00 in addition to the PAID general registration fee is required! Registration in advance is required as space is limited and will be assigned on a first come-first served basis.
**Friday, June 10 9:00AM-3:00PM**

**C5 Palsy Following Anterior Cervical Discectomy and Fusion**
William E. Mathews, MD, FICS, Chair, AANOS Scientific Organizing Committee and Continuing Medical Education Committee, Lafayette, CA

**Human Bites: Review of Literature and Case Report**
Alfonso A. Pino, MD, FICS, Dublin, TX

**Three Dimensional Volumetric MRI Studies in Preclinical Mouse Model of Melanoma Brain Metastases**
Amr Morsi, MD, Departments of Radiology and Neurosurgery, New York University Medical Center, New York, NY

**Robotic Spinal Surgery**
William C. Welch, MD, FICS, Vice Chair, Department of Neurosurgery; Chair, Department of Neurosurgery at Pennsylvania Hospital, Professor of Neurosurgery, Philadelphia, PA

**Treatment of Peripheral Injuries in the Upper Extremity**
Onaly Kapasi, MD, Newton, MA

**Unexplained Low Back Pain - SI Joint Dysfunction**
E. Jeffrey Donner, MD, Orthopaedic Surgeon, Rocky Mountain Associates in Orthopedic Medicine, P.C., The Spine Institute, Loveland, CO

**Pedicle Screw Placement Using Neuronavigation**
Mario Ammirati, MD, MBA, Neurological Surgeon, Professor of Neurosurgery and Radiation Medicine, Director, Skull Base Neurosurgery, Stereotactic Radiosurgery, Dardinger Microneurosurgical Skull Base Laboratory, The Ohio State University Medical Center, De

**Neurosurgical Trauma**
Gene Bolles, MD, Neurological Surgeon, Assistant Professor University of Colorado, Department of Neurosurgery, Denver Health Medical Center, Rocky Mountain Regional Trauma Center, Denver, CO

**Pain Management in Injured Coal Miners**
Diane Shafer, MD, FICS, Williamson, WV

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**Saturday, June 11 9:00AM-5:00PM**

**The Heart of Cerebrovascular Disorders**
Clara Raquel Epstein, MD, FICS, Boulder Neurosurgery Center, LLC, Boulder Neurosurgery Foundation, Inc., Boulder, CO

**Management of AVMs**
Lucia Zamorano, MD, FICS, Neurological Surgeon, Lucia Zamorano, MD, PLC, Michigan Brain & Spine Surgery Center, Detroit, MI

**Avoiding Complications in Neurosurgery in the Semi-sitting Position**
Mario Ammirati, MD, MBA, Neurological Surgeon, Professor of Neurosurgery and Radiation Medicine, Director, Skull Base Neurosurgery, Stereotactic Radiosurgery, Dardinger Microneurosurgical Skull Base Laboratory, The Ohio State University Medical Center, De

**Pain Management in Injured Coal Miners**
Diane Shafer, MD, FICS, Williamson, WV

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**Legal Healthcare**
Philip M. Bluestein, Esq., Healthcare Lawyer, Legal Services to Support the Healthcare Provider, Boulder, CO

**A Paradigm Shift in International Continued Neurosurgical Education through Implementation of the Internet & Technology**
Dr. Ganesalingam Narenthiran, BSc(MedSci)(Hons) MB ChB MRCS(Edin), Neurological Surgeon, Specialist Registrar in Neurosurgery, Wessex Neurological Centre, Southampton General Hospital, Southampton, United Kingdom

**Improved Patient Care through Lawsuit Protection and Prevention for Neurological & Orthopaedic Surgeons**
Mr. Larry Oxenham
Multimodal Brain Monitoring in Traumatic Brain Injury
**Jefferson William Chen, MD, PhD**, Neurological Surgeon, Director, Neurotrauma, Legacy Emmanuel Hospital, Department of Neurological Surgery, Portland, OR

Pediatric Neurosurgical Trauma - Effective Management & Treatment
**Jaime Diegóperez Ramirez, MD**, Neurological Surgeon, Centro Neurológico CMABC, México City, México

Annular Repair After Lumbar Microdiscectomy can Prevent Recurrent Disc Herniation
**Abid A. Qureshi, MD**, Orthopaedic Surgeon, Muir Orthopaedic Specialists, Walnut Creek, CA

Current Concepts on Thumb CMC and STT Osteoarthritis
**Dimitrios Kapoutsis, MD**, Beth Israel Deaconess Medical Center, Boston, MA

Surgical Adjuncts in the resection of Gliomas; the Use of 5-ALA fluorescence
**Jefferson William Chen, MD, PhD**, Portland, OR

Neurosurgical Oncology
**Surbhi Jain, MD, FICS**, Neurosurgical Oncology, Assistant Professor H. Lee Moffitt Cancer Center & Research Institute, Tampa, FL

Minimally Invasive Spine
**Adam Lewis, MD**, Neurological Surgeon, Jackson Neurosurgical Clinic, Jackson, MS

Acute Flexor Tendon Injuries in the Upper Extremity
**Olarewaju Oladipo, MD**, Randolph, MA

Limited Open Incision for Carpal Tunnel Release
**Moheb S. Moneim, MD**, University of New Mexico HSC, Albuquerque, NM

Somatotopic Localization of Pain in Awake Patients Undergoing Lumbar Surgery
**Robert P. Uteg, MD**, The Bonati Spine Institute, Hudson, FL

Challenging Cases in Private Orthopaedic Practice
**Sudhir B. Rao, MD**, Big Rapids Orthopaedics PC and Premier Hand Center, Big Rapids, MI

Treatment of Single Level Cervical Disc Herniations with Radiculopathy using Cervical Disc Prosthesis: Clinical and Radiological Outcomes
**W. Craig Clark, MD, PhD, FICS**, President, The Neurosurgical Center, Memphis, TN

Balloon Kyphoplasty after Vertebroplasty for Recurrent Vertebral Fractures: A Case Study
**Michael Y. Chang, DO**, Muir Orthopaedic Specialists, Walnut, CA

Pitfalls in the Management of Clavicle Fractures
**Maxime J.-M. Coles, MD, FICS**, Orthopaedic Surgeon and Traumatologist, Girard Medical Center, Girard, KS

Vagal Neuralgia: Nerve Block Treatment
**Richard Gershanik, MD**, Neurological & Neurosurgical Pain Management Center, Miami, FL

Decreased Blood Loss in Total Knee Arthroplasty Patients by Using a Novel Gelatin/Thrombin Hemostatic Agent
**James L. Comadoll, MD**, RoMedical Care, Salisbury, NC

The Long Term Safety and Efficacy of the Intrathecal Therapy Using Sufentanyl in Chronic Pain
**Jose J. Monsivais, MD, FICS**, Hand and Microsurgery Center of El Paso, El Paso, TX

Application of Prototype Mini and Macro Multipolar External Fixator in Traumatic Injuries and Congenital and Acquired Deformities of the Hands and Limbs
**Raul Nucze, MD**, San Jose, Costa Rica

The Treatment of the Rheumatoid Hand
**Spiros Stamelos, MD**, Arlington Heights, IL

Outpatient Based Minimally Invasive Lumbar Endoscopic Spine Surgery” A Two-Year Follow-Up
**John A. Polikandriotis, MBA**, Laser Spine Institute, Tampa, FL
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<td><strong>Wednesday</strong>&lt;br&gt;June 8</td>
<td>7:00-8:00am</td>
<td>Officer Breakfast</td>
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<td>AANOS Orthopaedic &amp; Neurological Surgery Presentations Part I: Lecture Series</td>
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<td>Trauma &amp; Critical Care: Dealing with Dilemmas</td>
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<tr>
<td></td>
<td>Noon - 1:00 pm</td>
<td>Luncheon</td>
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<td></td>
<td>2:30 - 5:00 pm</td>
<td>Alliance Tea Party &amp; Movie Discussion</td>
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<td></td>
<td>6:00-9:00 pm</td>
<td>Eddie May's Murder Mystery Dinner</td>
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<tr>
<td><strong>Friday</strong> &lt;br&gt;June 10</td>
<td>8:00am-Noon</td>
<td>Research Scholarship Presentations</td>
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<td></td>
<td>8:00am-11:30am</td>
<td>Workshop: HALS and Lap-Assisted Approaches to Left Colectomy and LAR with Cadaveric Lab Part I: Lecture Series</td>
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<td>9:00am-3:00pm</td>
<td>AANOS Orthopaedic &amp; Neurological Surgery Presentations Part II: Lecture Series</td>
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<tr>
<td></td>
<td>Noon-1:15pm</td>
<td>Luncheon</td>
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<td>1:30-5:30 pm</td>
<td>Scientific Papers</td>
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<td></td>
<td>1:30pm-4:30pm</td>
<td>Workshop: Ultrasound Guided Procedures</td>
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<td>3:00pm-5:00pm</td>
<td>AANOS Business Meeting</td>
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<td></td>
<td>6:00 PM</td>
<td>2nd Annual AANOS &quot;Fun'draising Event and Awards Dinner</td>
</tr>
<tr>
<td><strong>Saturday</strong>&lt;br&gt;June 11</td>
<td>8:00am-Noon</td>
<td>Trauma &amp; Critical Care II: What's New</td>
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<td>8:00am-Noon</td>
<td>Workshop: HALS and Lap-Assisted Approaches to Left Colectomy and LAR with Cadaveric Lab</td>
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<td>9:00am-5:00pm</td>
<td>AANOS Orthopaedic &amp; Neurological Surgery Presentations Part II: Hands-On Workshop (off-site)</td>
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<td>10:30am-3:30pm</td>
<td>Workshop: Component Separation For Complex Abdominal Wound Closure: Didactic and Cadaveric Lab Series Part II: Hands-On Workshop (off-site)</td>
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<tr>
<td></td>
<td>10:45 AM</td>
<td>Rose Parade Viewing Party</td>
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<td>1:00pm-3:30pm</td>
<td>Surgical and Medical Ethics in Trauma and Critical Care</td>
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<td>3:45pm-5:15pm</td>
<td>Surgical Outreach: International Missions and Austere Environments: Report from the Fellows</td>
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<td>6:30-7:30pm</td>
<td>Convocation &amp; Presidential Recognition Ceremony</td>
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<td>7:30-8:30pm</td>
<td>New Fellows Reception</td>
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<tr>
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<td>8:30-11:00pm</td>
<td>Gala Banquet</td>
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</table>

*Schedule subject to Change*
Alliance Board of Directors & Membership Meeting  
**Wednesday June 8, 9:00-10:30 AM**
Please join us to discuss Alliance plans for the Annual Meeting and beyond. Topics will include future leaders, recruitment, fundraising, the 2011 Stipend Review, and current & future social activities for the Alliance. If you have ever wondered what the Alliance is or does, then this meeting shouldn’t be missed.

Welcome Reception  
**Wednesday June 8, 6:00-7:00 PM**
Our first evening in Portland begins with a cocktail reception. Join us to reconnect with old friends and meet members you may not have encountered before. You’ll still have time to head out on the town to sample offerings at one of the many excellent restaurants located within walking distance of the hotel.

Alliance Silent Auction  
**Thursday-Saturday June 9-11**
The Alliance Silent Auction returns this year. Items will be on display near the registration desk. Bids may be placed throughout the meeting. Final bids will be placed at the New Fellows Reception on Friday evening and winners will be announced before the Gala Dinner. Be sure to attend the complimentary reception to get in a final bid, and pick up your winning items. Items not taken home with the winner, will be subject to shipping charges in addition to the final bid amount.

Alliance Tea Party and Movie Discussion  
**Thursday June 9, 2:00 PM**
Join other Alliance members and meeting attendees for a casual afternoon tea, and movie viewing. All are welcome to attend, reconnect with old friends and get to know new members. A movie or two will be viewed and those interested may take part in a guided discussion of the themes, plots, and motivations of the characters. **There is no ticket fee, however you must pre-register.**

Eddie May’s Murder Mystery Dinner  
**Thursday June 9, 6:00 PM**
You’ll just die laughing while dining and playing with a host of hilarious characters, all part of Eddie May Mysteries, North America’s longest running murder mystery dinner theater troupe. Join us for a private dinner and show at Kell’s Irish Bar & Restaurant in Downtown Portland. **Tickets must be ordered in advance. $69 per person.** ON-site tickets will not be available. **You must have a ticket to be admitted.**

2nd Annual AANOS "Fun"draising Event and Awards Dinner  
**Friday June 10, 6:00 PM**
The 2nd Annual AANOS "Fun"draising Event and Awards Dinner will feature an elegant dinner, award presentations, entertainment and a special lecture by Jeffrey Segal, MD, JD, Neurosurgeon, Founder/CEO Medical Justice, Greensboro, NC. He will present Medical Justice: Relentlessly Protecting Physicians from Frivolous Lawsuits. Dr. Segal is the founder and CEO of Medical Justice, which is a membership-based organization that offers proven services and proprietary methods to protect physicians' most valuable assets – their practice and reputation. **All Proceeds Benefit the AANOS Scholarship and CME Funds. Tickets must be ordered in advance. $100 per person.** ON-site tickets will not be available. **You must have a ticket to be admitted.**

Rose Parade Viewing Party  
**Saturday June 11, 10:45 AM**
The Grand Floral Parade is the crown jewel of the annual Rose Festival, anticipated annually by both locals and festival guests. In 2011 the parade will offer an extravaganza of the Rose Festival's theme, 'Carnival of Roses,' displaying the colors, variety and excitement of a mardi gras style carnival celebration. Join us Saturday morning outside the Hilton in a reserved viewing area to enjoy the parade as it passes by. **Participation is complimentary but is limited to the first 15 reservations.**

United States Section Convocation &
Presidential Recognition Ceremony
Saturday June 11, 6:30 pm-7:30 PM
All attendees, families, friends and guests are invited to attend this hallmark event, the 73rd Annual Convocation of the US Section. Brimming with splendor and pageantry, this impressive ceremony includes the formal induction of New Fellows and this year’s Honorary Fellow into the College. Join us in this celebration of the College, all of its Fellows, and their accomplishments. We do ask guests to proceed directly to the Ballroom and take their seats by 6:20 pm so that the ceremony can start on-time.

New Fellows Reception
Saturday June 11, 7:30 pm-8:30 PM
Immediately following the Convocation and Presidential Recognition Ceremony, this reception will afford you the opportunity to meet your National Section and International Officers, provide you with the opportunity to meet your newest colleagues from coast to coast, and of course, honor our incoming President and Honorary Fellow. The Alliance Silent Auction will conclude at this event, be sure to attend to pick up your winning bids. All attendees are encouraged to attend.

Gala Dinner
Saturday June 11, 8:00 pm
We end our meeting and our week together as we started it; in Fellowship, join us as we come together for one last event before we bid farewell until next year. We are pleased to present the ‘sound of the Portland Rose festival’ with a private performance from the Choncords Chorale Group, who will perform the concert they have created in conjunction with the 2011 Rose Festival activities. Black Tie attire is optional. **Tickets should be ordered in advance. $125 per person. ON-site tickets will not be available.**

Portland’s Rose Festival

For over one hundred years, the Portland Rose Festival has served families and individuals from Oregon and beyond with events and programs that spotlight the riches of the Pacific Northwest heritage and environment while offering colorful examples of many international cultures. Attended by more than two million people, the festival is annually one of the top three most highly decorated events by the International Festivals & Events Association (IFEA) and in 2007 was named Best Festival in the World. Among the festival’s most popular events are the Grand Floral Parade, one of the nation’s top two all-floral parades, and the WaMu Waterfront Village, which features the Best Children's Programming in the World, according to the IFEA.

Selected Rose Festival Activities June 8-12, 2011

**June 8, 1:00 p.m.**  
*Fred Meyer Junior Parade*  
Join Fred Meyer and thousands of kids at the parade!  
**Location:**  
NE Sandy and 52nd

**June 8 - 12**  
*Fleet Week*  
Ship tours will be available daily.  
**Location:** Tom McCall Waterfront Park’s esplanade seawall from the Steel Bridge to Waterfront Village.

**June 9, 1:00 p.m. - 9:00 p.m.**  
**June 10, 10:00 a.m. - 5:00 p.m.**  
*123rd Annual Spring Rose Show*  
Each year the Lloyd Center Ice Rink is transformed into a delightful rose garden for the Annual Spring Rose Show, the largest and longest-running rose show in the nation.  
**Location:**  
Lloyd Center Ice Rink  
**Admission:** $3 — At the door

**June 11 & June 12, 8:00 am-4:00 pm**  
*Dragon Boat Races*  
80 teams compete (including local, national, and international teams) with heats of four teams competing every nine minutes. These races are held on the Willamette River (near the Hawthorne Bridge), in boats graciously provided through the Portland-Kaohsiung Sister City Association.  
**Location:**  
South end of Tom McCall Waterfront Park
The official language of this conference is English, and all sessions and events shall be conducted in English.

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

Unless noted, all prices within this brochure are in US dollars.

Meeting Registration
The Meeting Registration form is on page 18-19. Everyone attending or participating in educational sessions, including faculty, is expected to complete the registration form and return it with payment. Registrations received without payment will not be processed.

All Spouses/Partners and Guests attending the meeting but not participating in educational sessions are expected to complete the registration form and pay the Supplement Fee.

To register for the meeting, please mail or fax your completed registration form with payment by May 27, to:

73rd Annual Surgical Update
1516 North Lake Shore Drive
Chicago, Illinois 60610-1694
Fax (312) 787-9289

Cancellation Policy
The cancellation deadline is May 27, 2011. Refunds will be issued, minus a $50 processing fee, upon receipt of written notification via fax or mail. Verbal or written cancellations after May 27, will not be honored. Please allow four to six weeks after the meeting for your refund.

American Academy of Neurological and Orthopaedic Surgeons
Please note that registration for AANOS can be conducted using this registration form. Registration for either group entitles you to access to any CME session for whichever group you desire. The AANOS sessions are being planned by individuals with dual membership in both organizations and as such ICSUS considers the Neurological and Orthopaedic Sessions of the Academy to be its offering for those specialties. CME credit for AANOS sessions will be supplied by that group directly. AANOS is an ACCME accredited provider.

Attire
Business casual attire is recommended in educational sessions. Casual attire is appropriate for most social events. Evening attire is recommended for the Convocation and New Fellows Reception. Black tie is optional for the Gala Banquet.

Convocation
Invitations to participate in the 2011 Convocation were mailed in March to those who have joined the College within the past five years. If you have not yet participated in a Convocation and would like to please contact headquarters by April 26 for information on how to take part. Inquiries should be directed to: Paul Pancer, Director of CME & Member Services; (312) 787-6274 ext. 3126 or via e-mail: ppancer@ficsonline.org.

Hotel Information
The Hilton Portland and Executive Towers, our conference hotel for this meeting is centrally located within the city. You will find yourself steps from wonderful opportunities for dining, shopping and exploring. Portland has a terrific light-rail system to aid you in traveling about the city.

Hilton Portland & Executive Towers
921 SW Sixth Avenue

Our housing block is filling quickly, and the hotel is especially busy the night of Tuesday, June 7. Therefore you should booking your hotel reservations now; the May 1, 2011 cut-off will be here sooner than you think!

Call 1-800-HILTONS today
Mention Reservations code: ICS

Room Rate:
$ 117.00 Single/Double

Room block Deadline:
The deadline for making hotel reservations for the conference is May 1, 2011.

Reservation requests received after this date will be accepted on a space-and-rate-availability basis. All room reservations must be guaranteed with a major credit card at the time of reservation. To reserve your room contact the hotel at 1-800-HILTONS and mention reservation code ICS.
**Guest Room Cancellations**

Guest room cancellations must be made by 72 hours prior to arrival. If a reservation is not cancelled in time, your credit card will be charged an amount equal to the cost of one night’s room and tax.

**Special Needs and Questions**

If you have any special needs that must be addressed to ensure your comfort and or you require information not listed in this brochure, please contact Maggie Kearney, Meeting & Publications Manager, by phone: (312) 787-1662 or by e-mail: mkearney@ficsonline.org.

**Weather**

While Portland experiences annual rainfall of 40 inches, June is the beginning of the summer dry season for the city. Afternoon temperatures typically reach into the 70’s and low 80’s in June. However, mornings and evenings can be cool, and rain is still possible in early June.

**Parking**

**Hilton Valet Parking** 503-226-1611 x2172:

- Hotel front door, on 6th Avenue between Salmon and Taylor Streets.
- $8 per hour/$20 daily max.
- $8 evening max. after 5 pm to Midnight
- $27 for overnight guests

**Hilton Self-Park** 503-226-1611 x2158:

On Taylor Street between 6th and Broadway

- $3 per half hour/$22 max. per 12 hours
- $8.75 Early Bird Special (in by 9:30 am)
- $8 evenings (6:00 pm to 1:00 am)
- $20 for registered overnight guests

**Airport Transportation:**

The **Portland International Airport** is located nine miles north of downtown Portland and is conveniently connected to the city center via MAX light rail train. The MAX light rail Red Line is the easiest and most cost-effective way to travel to and from the airport. The trip between the airport and downtown Portland takes less than 40 minutes.

The MAX station and ticket machines are located on the lower level, next to the south baggage claim area.

A one-way adult ticket costs $2.35. A “two-zone” ticket is required to reach the Hilton Hotel -- exit the train at the Pioneer Square South MAX Station and walk 1 block southwest down 6th Avenue to SW Taylor Street. MAX ticket machines return change in coins, so small bills are recommended. Credit cards are also accepted.

Trains leave approximately every 15 minutes between 5 am and midnight.

For complete schedules and more information, call **Trimet** at 503/238-7433 or visit www.trimet.org/schedules/maxredline.htm.

**Ground Transportation**

The average taxi fare from the airport to downtown is approximately $35 before gratuity. The one-way trip takes 20-30 minutes.

The Downtown Airport Express runs every 30 minutes and costs $14 one-way and $24 round-trip to downtown and Lloyd Center/Convention Center hotels. Other shuttle services are available, and many airport hotels provide free shuttles.

**Taxicabs**

You cannot hail a cab on the street in Portland. To catch a cab downtown, go to a hotel with a dedicated taxi stand, or order a cab by phone from one of the city’s main operators:

**Broadway Cab**

800.248.TAXI (8294) or 503.227.1234 www.broadwaycab.com

**Radio Cab Company**

503.227.1212 www.radiocab.net

**Green Cab & Green Shuttle**

877.853.3577 or 503.234.1414 www.greentrans.com
Please Be sure to Fax/Mail Both Registration Pages

Name ____________________________________________

(It is important that you put your name on both pages in case they are separated.)

ICS-US Workshop Registration

Select the additional programs you will participate in. Registration is first come/first serve. On-site registration will NOT be possible.

- Ultrasound Guided Procedures $100
- HALS and Lap-Assisted Approaches to Left Colectomy and LAR with Cadaveric Lab $250
- Component Separation For Complex Abdominal Wound Closure: Didactic & Cadaveric Lab Series $250

Total Due for Workshop Registration $___________

Total Due

- Attendee/Speaker Registration $___________
- Spouse/Guest Supplement $___________
- Social Event Tickets $___________
- Workshop Registration $___________

TOTAL PAYMENT DUE $___________

MAKE CHECKS PAYABLE TO THE INTERNATIONAL COLLEGE OF SURGEONS - US SECTION

- Check ☐
- Master Card ☐
- Visa ☐
- American Express ☐

Card Number ____/____/____/____/ - ____/____/____/____/ - _____/_____/____/____/ - ____/____/____/____/_

Exp. Date ______________20______

Cardholder Name _____________________________________________________________________________________

Signature ____________________________________________________________________________________________

REGISTER ONLINE AT WWW.FICSONLINE.ORG/REG11

Mail or fax this form with payment to:

International College of Surgeons - US Section
73rd Annual Surgical Update
1516 North Lake Shore Drive
Chicago, Illinois 60610

International College of Surgeons - US Section
73rd Annual Surgical Update
Fax (312) 787-9289
GENERAL REGISTRATION

Select a registration option below, everyone must register for the meeting. Please note: All paid registrants (whether Fellow or Supplement) automatically receive one lunch ticket per day. We do ask that you indicate if you will attend each lunch, so that accurate plans are made.

ATTENDEE/SPEAKER REGISTRATION INFORMATION

Check here if you are an □ ICS Fellow □ AANOS □ MD □ DO □ RN □ Other: _________________________________

Name ____________________________________________________________________________________________________________

Address __________________________________________________________________________________________________________

City________________________________________ State_________________ Zip________________

Country __________________________________________________________________________________________________________

Phone _____________________________________________________ Fax __________________________________________________________

E-mail _________________________________________________________ Specialty ________________________________________________

GENERAL REGISTRATION

Select a registration option below, everyone must register for the meeting. Please note: All paid registrants (whether Fellow or Supplement) automatically receive one lunch ticket per day. We do ask that you indicate if you will attend each lunch, so that accurate plans are made.

<table>
<thead>
<tr>
<th>Registration Type</th>
<th>Until 5/8/11</th>
<th>After 5/8/11</th>
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<tbody>
<tr>
<td>ICS or AANOS Fellow</td>
<td>$475 □</td>
<td>$575 □</td>
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<tr>
<td>Junior ICS Fellow</td>
<td>$100 □</td>
<td>$150 □</td>
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<tr>
<td>Non-member</td>
<td>$600 □</td>
<td>$700 □</td>
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<tr>
<td>Medical Students</td>
<td>$50 □</td>
<td>$75 □</td>
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<tr>
<td>Resident or Nurse</td>
<td>$150 □</td>
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Use the check boxes below to indicate which you will attend.

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<td>Friday Lunch</td>
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<td>Saturday Lunch</td>
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SOCIAL EVENT TICKETS

Spouse/Partner or Guest Supplement Registration

Spouses/Partners and Guests that will participate in any aspect of the meeting such as; Breakfasts, Coffee Breaks, Lunches or Alliance Activities need to register for the Supplement Registration. This category is not appropriate for physicians who will attend CME Sessions; those persons need to register as an attendee above. Alliance social events are complimentary but advanced reservations are required.

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Spouse/Partner or Guest Supplement: $150  Quantity: ___ x $150  Total $________

SOCIAL EVENT TICKETS

Thursday, June 9, 2011

Alliance Tea Party and Movie Discussion  Quantity:______
Eddie May’s Murder Mystery Dinner  Quantity:______ x $69 = $_____

Friday, June 10, 2011

AANOS Fundraising Event  Quantity:______ x $100 = $_____ 
Rose Parade Viewing Party (first 15 guests)  Quantity:______

Saturday, June 11, 2011

Gala Dinner  Quantity:______ x $125 = $_____
73rd Annual Surgical Update
June 8-11, 2011

Portland, Oregon