The Department of Anesthesiology of the Icahn School of Medicine at Mount Sinai
New York, NY, USA
Presents
The 33rd Annual International Symposium: Clinical Update in Anesthesiology, Surgery and Perioperative Medicine
with four free workshops: One Lung Ventilation; Regional Block; Difficult Airway, ECHO and Industrial Exhibits.
Course Directors: George Silvay, M.D., Ph.D., Marc Stone, M.D., Menachem Weiner, M.D.

St. Kitts Marriott Resort
St. Kitts, West Indies

January 18-23, 2015
Educational Objectives

The 33rd Annual International Symposium: Clinical Update in Anesthesiology, Surgery and Perioperative Medicine is designed to help busy professionals advance their knowledge and keep current by providing a review of innovations, recent advances and best practices in cardiothoracic, vascular and general anesthesiology, surgery, perioperative medicine, and critical care. In addition, four workshops will be conducted for interested participants. At the conclusion of the symposium, participants will be able to:

1. Describe and implement new diagnostic modalities, therapeutic agents and management strategies in the fields of cardiothoracic, vascular and general anesthesia, surgery, critical care and perioperative medicine.
2. Recognize and implement best practice anesthetic management of patients with significant comorbidities.
3. Discuss the current and future management of patients with cardiac, thoracic and vascular pathophysiology.
4. Four WORKSHOPS: 1-One lung ventilation; 2-Regional block; 3-Difficult airway; 4-ECHO will demonstrate with experts the latest techniques in practical – life demonstrations.

Target Audience

Anesthesiologists, cardiothoracic, vascular and general surgeons, cardiologists, intensivists, nurse anesthetists, physicians in-training, perfusionists, physician assistants, and nurses.

Verification of attendance will be provided to all professionals

Educational Methods

• Didactic lectures and discussions by recognized leaders in their field.
• Oral presentation of abstracts of relevant basic science research and interesting clinical cases.
• Hands-on one lung ventilation; ultrasonic regional anesthesia; difficult airway and ECHO

Faculty Disclosure

The Westchester Academy of Medicine adheres to ACCME Standards for Commercial SupportSM of continuing medical education. All speakers participating in Continuing Medical Education activities are expected to disclose to the program audience any real or apparent conflict(s) of interest related to the content of their presentations.

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Medical Society of the State of New York (MSSNY) through the joint sponsorship of the Westchester Academy of Medicine and The Icahn School of Medicine at Mount Sinai. The Westchester Academy of Medicine is accredited by MSSNY to provide continuing Medical Education for physicians.

The Westchester Academy of Medicine designates this live activities for a maximum of 24.00 AMA PRA Category I Credits™.

Physicians should claim only the credit commensurate with the extent of their participation in the activity. CME credits will be not issued for the workshops, fireside discussion and
presentations for residents, fellows and junior physicians. This program has been prior approved by the American Association of Nurse Anesthetists for 24 CE credits; Code Number 1030442; Expiration Date 1/23/15.

Acknowledgements

The Department of Anesthesiology, Icahn School of Medicine at Mount Sinai, gratefully acknowledges the following:

**Unrestricted grant**

Cas Medical Systems, Inc

**Workshop support in form of equipment loan**

Sonosite

Ambu, Inc.

SAVE THE DATE

The Department of Anesthesiology of the Icahn School of Medicine at Mount Sinai New York, NY, USA presents The 34th Annual International Symposium: Clinical Update in Anesthesiology, Surgery and Perioperative Medicine with International Faculty, Industrial Exhibits and Four Free Workshops Course Directors: George Silvay, M.D., Ph.D., Marc Stone, M.D., Menachem Weiner, M.D.

San Juan Marriott Resort and Stellaris Casino
San Juan, Puerto Rico
January 17-22, 2016
Program

The course directors and planners do not have any financial relationship or affiliations with any commercial entities whose products, research or services may be discussed at the symposium. Faculty participants have provided information about their financial relationships as detailed below.

SUNDAY, JANUARY 18th, 2015

16:00 – 18:00 PRE-REGISTRATION

MONDAY, JANUARY 19th, 2015

07:30 – 08:30 REGISTRATION

08:00 – 08:15 WELCOME AND ANNOUNCEMENTS

George Silvay,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

08:15 – 10:30 TIMELY TOPICS IN ANESTHESIA, SURGERY AND PERIOPERATIVE MEDICINE

Moderators: David L. Reich,
President and Chief Operating Officer
The Mount Sinai Hospital
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Richard Daly,
Professor of Surgery
Mayo Clinic College of Medicine
Rochester, MN, USA
Faculty Disclosure: No relevant Financial Relationships

1. 08:15 – 08:25 Research in Improving Neurological Outcome after Cardiac Surgery

George Djaiani,
Associate Professor of Anesthesia and Pain Management
University of Toronto
Toronto, Ontario, Canada
Key Words: Cerebral autoregulation, Brain stress testing, Dexmedetomidine, Hyperbaric oxygenation
2. 08:25 – 08:35  Managing for Outcome: Strategies for Prevention of Perioperative Neurological Injury
Mark F. Newman,
President and Merel H. Harmel Professor of Anesthesiology
Duke Private Diagnostic Clinic
Durham, NC, USA
Key Words: Stroke, Perioperative Neurological Injury, Neuroprotection, Postoperative Cognitive Dysfunction (POCD)
Faculty Disclosure: No relevant Financial Relationships
3. **08:35 – 08:45** Brain Pre/Postconditioning: Is there a Challenge?
Zeljko Bosnjak,
Professor and Vice-Chairman for Research
Departments of Anesthesiology and Physiology
Medical College of Wisconsin
Milwaukee, WI, USA
Key Words: Neuroprotection, General anesthetics, Postoperative cognitive dysfunction, Cerebral injury, Cerebral hypoperfusion
Faculty Disclosure: No relevant Financial Relationships

4. **08:45 – 08:55** COPD and its Impact of Anesthesia Management
Martin Dworschak,
Professor of Anesthesiology and Intensive Care Medicine
Medical University of Vienna
Vienna, Austria
Key Words: Airway obstruction, Hyperinflation, Auto-PEEP, Airtrapping
Faculty Disclosure: No relevant Financial Relationships

5. **08:55 – 09:05** Perioperative Statin
Joe Szokol,
Professor of Anesthesiology
University of Chicago Pritzker School of Medicine
Evanston, IL, USA
Key Words: Statins, Cardiovascular protection, Cardiovascular disease
Faculty Disclosure: No relevant Financial Relationships

6. **09:05 – 09:15** Glycemic Control in Cardiac Surgery
Thomas Kotulak,
Head of Department of Anesthesiology and Intensive Care
Institute for Clinical and Experimental Medicine
Prague, Czech Republic
Key Words: Glycemic control, Perioperative care, Cardiac surgery, Insulin resistance
Recent faculty-authored references:
1. Kotulák T et al.: Cardiac Surgery Increases Serum Concentrations of Adipocyte Fatty Acid-Binding Protein and its mRNA Expression in Circulating Monocytes but not in Adipose Tissue. Physiological Research Physiol Res. 2013 Nov 1
2. Kotulák T et al.: Increased circulating and epicardial adipose tissue mRNA expression of fibroblast growth factor-21 after cardiac surgery: possible role in postoperative inflammatory response and insulin resistance. Physiol Res. 2011
Faculty Disclosure: No relevant Financial Relationships
7. 09:15 – 09:25  The Perioperative Management of Congestive Heart Failure  
Rafael Honikman,  
Assistant Professor of Anesthesiology  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Key Words: Perioperative management, Congestive heart failure, Cardiogenic Shock  
Faculty Disclosure: No relevant Financial Relationships

8. 09:25 – 09:35  Regional Anesthesia for Cardiac Surgery  
Mark Chaney,  
Professor of Anesthesiology/Director of Cardiac Anesthesia  
University of Chicago  
Chicago, IL, USA  
Key Words: Regional Anesthesia, Cardiac Surgery, Awake cardiac surgery, Post-operative analgesia-cardiac surgery  
Faculty Disclosure: No relevant Financial Relationships

9. 09:35 – 09:45  Advances in the Management of Aortic Aneurysms  
Peter Faries,  
Professor of Surgery/Chief of the Division of Vascular Surgery  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Key Words: Aortic aneurysm, Endovascular, Fenestrated grafts, Snorkel grafts, Branched grafts  
Faculty Disclosure: Consultant for Medtronic

10. 09:45 – 09:55  Anesthesia and its Effects on Cancer Reoccurrence  
Laura Ardizzone,  
Chief CRNA  
Memorial Loan Kettering Cancer Center  
New York, NY, USA  
Key Words: Anesthesia type, Cancer Recurrence, Metastases  
Faculty Disclosure: No relevant Financial Relationship

11. 09:55 – 10:05  The Role of the Anesthesiologist in Surgical Site Infection Prevention  
Amanda Rhee,  
Assistant Professor of Anesthesiology  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA
**Key Words:** Surgical site infection prevention, Antibiotics, Temperature management

**Faculty Disclosure:** No relevant Financial Relationship

**12:10:05 – 10:15** **Global Cardiac Care, Where Do We Stand?**
Daniel Bainbridge, Associate Professor of Anesthesiology/Director of Cardiac Anesthesia
Schulich School of Medicine & Dentistry, University of Western Ontario
London, Ontario, Canada

Key Words: Cardiac care, Cardiothoracic surgery, Low-middle income countries, Resource limited countries, Mortality


**Faculty Disclosure:** No relevant Financial Relationship

**10:15 - 10:30** **Discussion**

**10:30 – 11:00** **Coffee Break**

**11:00 – 12:50** **UPDATE IN CARDIOLOGY, CARDIAC ANESTHESIOLOGY AND SURGERY**

**Moderators:** Mark F. Newman,
President and Merel H. Harmel Professor of Anesthesiology
Duke Private Diagnostic Clinic
Durham, NC, USA

Faculty Disclosure: No relevant Financial Relationships

Jan Rival,
Associate Professor of Anesthesiology
Henry Ford Hospital
Detroit, MI, USA
Faculty Disclosure: No relevant Financial Relationships

**1. 11:00 – 11:10** **Update in Atherosclerosis**
Allen Unger,
Associate Professor of Medicine
Icahn School of Medicine at Mount Sinai
New York, NY

Key Words: Atherosclerosis Update, Concept of
cholesterol years of exposure, New alternatives for statins for LDL-C lowering
Faculty Disclosure: No relevant Financial Relationship

2. 11:10 – 11:20 **Update in Interventional Cardiology: 2015**
Joe Sweeney,
Interventional Cardiology
Assistant Professor of Medicine
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Key Words: Interventional cardiology, Antiplatelet therapy, Coronary stents, Acute myocardial infarction
Faculty Disclosure: No relevant Financial Relationship

3. 11:20 – 11:30 **Anesthesia in the Hybrid Suite and Cath Lab**
Nathaen Weitzel,
Associate Professor
University of Colorado
Denver, Co, USA
Key Words: Laser Lead Extraction, Electrophysiology Ablation, Left Atrial Closure, LARIAT
Faculty Disclosure: No relevant Financial Relationship

4. 11:30 – 11:40 **Management of Atrial Fibrillation**
Jacob Gutsche,
Assistant Professor of Anesthesiology and Critical care
University of Pennsylvania Medical Center
Philadelphia, PA, USA
Key Words: Atrial fibrillation, Beta blocker, Cardioversion
Faculty Disclosure: No relevant Financial Relationship

5. 11:40 – 11:50 **Dental Clearance before Cardiac Operation**
David Valauri,
Assistant Professor of Dentistry
Icahn school of Medicine at Mount Sinai
New York, NY, USA
Key Words: Dental clearance, Cardiac surgery, Perioperative morbidity
Faculty Disclosure: No relevant Financial Relationship

6. 11:50 – 12:00 **What the Surgeon Wants to Know from the Anesthesiologists during the Mitral Valve Repair**
Martin Misfeld,
Professor of Cardiac Surgery
University of Leipzig
Leipzig, Germany
Key Words: Mitral valve repair, Echocardiography, Minimally-invasive surgery

7. 12:00 – 12:10 **Application of Pharmacology in Cardiac Anesthesia**
Phillipe Housmans,
Professor of Anesthesiology
Mayo Clinic
Rochester, MN, USA
Key Words: Pharmacokinetics, Pharmacodynamics, Intravenous anesthetics
Faculty Disclosure: No relevant Financial Relationship
8. 12:10 – 12:20  New Development in Thoracic Anesthesia
Javier Campos,
Professor of Anesthesiology/Director of Cardiac Anesthesia
University of Iowa
Iowa City, Iowa, USA
Key Words: Lung Separation, Double Lumen Tubes, Bronchial Blockers, Fiberoptic bronchoscopy
Faculty Disclosure: Medical Advisory Board Member for ET Medical View

12:20 – 12:30  Discussion

12:30 – 12:50  SPECIAL LECTURE
Introduction: George Silvay,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Taking Responsibility for Perioperative Outcomes
David L. Reich
President and Chief Operating Officer
The Mount Sinai Hospital
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Key Words: Perioperative outcomes, Evidence-based therapies,
Faculty Disclosure: No relevant Financial Relationships
TUESDAY, JANUARY 20th, 2015

07:30 – 09:30  REGISTRATION

08:00 – 09:30  Lung Separation Workshop **
Dawn Desiderio,
Professor of Anesthesiology
Weill Cornell University Medical College, Memorial Sloan
Kettering Cancer Center
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Javier Campos,
Professor of Anesthesiology/Director of Cardiac Anesthesia
University of Iowa
Iowa City, Iowa, USA
Faculty Disclosure: Medical Advisory Board Member for ET
Medical View

Bob Williams,
Director of Clinical Operations, Department of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

09:30 – 12:20  THORACIC SURGERY AND ANESTHESIA
Moderators: Dawn Desiderio,
Professor of Anesthesiology
Weill Cornell University Medical College, Memorial
Sloan Kettering Cancer Center
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Daniela Harustiakova,
Associate Professor of Anesthesiology
Governmental Hospital
Bratislava, Slovak Republic
Faculty Disclosure: No relevant Financial Relationships

1. 09:30 – 09:40  Update on Lung Separation
Javier Campos,
Professor of Anesthesiology/Director of Cardiac Anesthesia
University of Iowa
Iowa City, Iowa, USA
Key Words: Lung Separation, Double Lumen Tubes,
Bronchial Blockers, Fiberoptic bronchoscopy
Recent Publications:
Faculty Disclosure: Medical Advisory Board Member for ET Medical View

2. 09:40 – 09:50 Management of Anesthetic Complications in Thoracic Surgery
Paul Waters,
Professor of Surgery
New York Medical College/Director Surgical Oncology at Greenwich Hospital
Greenwich, CT, USA
Key Words: Perioperative care, Intraoperative complications, Esophageal injury, Airway injury
Faculty Disclosure: No relevant Financial Relationship

3. 09:50 – 10:00 Heart Failure in Thoracic Surgery
Nancy Nussmeier,
Cardiac Anesthesiologist
Massachusetts General Hospital
Boston, MA, USA
Physician Editor, UpToDate (Anesthesiology), Key Words: Heart failure, Noncardiac surgery, Thoracic surgery
Recent faculty-edited reference: Anesthesia for noncardiac surgery in patients with heart failure-UpToDate
Faculty Disclosure: No relevant Financial Relationship

4. 10:00 – 10:10 Fluid Management during Thoracic Procedures
Alessia Pedoto,
Assistant Attending Anesthesiologist
Memorial Sloan-Kettering Cancer Center
New York, NY, USA
Key Words: Crystalloids vs Colloids, Glycocalyx, Goal Directed Therapy
Faculty Disclosure: No relevant Financial Relationship

5. 10:10 – 10:20 OLV in Patient with Fontan Circulation
Draginja Cvetkovic,
Assistant Professor of Anesthesiology
New York Medical College
Valhalla, NY, USA
Key Words: Fontan physiology, Pulmonary vascular resistance, One-lung ventilation
Faculty Disclosure: No relevant Financial Relationship

6. 10:20 – 10:30 Limited Resections for Lung Cancer: VATS Segmentectomy
Andrew Kaufman,
Assistant Professor of Thoracic Surgery
Icahn School of Medicine at Mount Sinai
Chief of thoracic Surgery, Mount Sinai Beth Israel Hospital
New York, NY, USA
Key Words: Lung Cancer, Surgical Technique, Limited Resection, Segmentectomy, VATS
Faculty Disclosure: No relevant Financial Relationship

10:30 – 11:00 Coffee Break, Industrial Exhibits

7. 11:00 – 11:10 Lung Protective Ventilatory Strategies for Thoracic Surgery
Agarwal Shvetank,
Assistant Professor of Anesthesiology and Perioperative Medicine
Georgia Regents University
Augusta, GA, USA
Key Words: Ventilator induced lung injury, Volutrauma, Barotrauma
Faculty Disclosure: No relevant Financial Relationship

8. 11:10 – 11:20 Regional Anesthesia for Thoracic Surgery
Eleni Moka,
Head of Department of Anesthesia
Creta Interclinic Hospital
Heraklion, Greece
Key Words: Thoracic surgery, Thoracotomy; Analgesia; Epidural; Paravertbral block
Faculty Disclosure: No relevant Financial Relationship

9. 11:20 – 11:30 Update in Lung Transplantation
Theresa Gelzinis,
Associate Professor of Anesthesiology
University of Pittsburgh Medical Center
Pittsburg, PA, USA
Key Words: Protective ventilation, ECMO, Chronic lung allograft dysfunction
10:11:30 – 11:40  **Local Anesthetic - Systemic Toxicity**  
Meg Rosenblatt,  
Professor of Anesthesiology  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Key Words: Local anesthetic pharmacology, Intravenous lipid emulsion, Resuscitation  
Faculty Disclosure: No relevant Financial Relationship

11:40 – 12:00  **Discussion**

12:00 – 12:20  **SPECIAL LECTURE**  
**Introduction:** George Silvay,  
Professor of Anesthesiology  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Faculty Disclosure: No relevant Financial Relationships

**Update in Pain Medicine- Chronic Postoperative Pain**  
Lawrence Epstein,  
Associate Professor of Anesthesiology  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Key Words: Chronic Postoperative Pain, Post Thoracotomy Pain, Post Hernia Pain  
Faculty Disclosure: No relevant Financial Relationship

16:30 – 18:30  **IS SOMETHING NEW IN CARDIAC SURGERY AND ANESTHESIA**  
**Moderators:** Paul Stelzer,  
Professor of Cardiac Surgery  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Faculty Disclosure: No relevant Financial Relationships

Davy Cheng,  
Professor and Chair of the Department of Anesthesia  
University of Western Ontario  
London, Ontario, Canada  
Faculty Disclosure: No relevant Financial Relationship
1. **16:30 – 16:45 Mitral Valve**  
   Martin Misfeld,  
   Professor of Cardiac Surgery  
   University of Leipzig  
   Leipzig, Germany  
   Key Words: Mitral valve surgery, Minimally-invasive surgery, Imaging  
   Recent faculty-authored references: See previous lecture  
   Faculty Disclosure: No relevant Financial Relationship

2. **16:45 – 17:00 Aortic Valve**  
   Christian Etz,  
   Cardiac Surgery  
   University of Leipzig Heart Center  
   Leipzig, Germany  
   Key Words: Aortic valve, Transcatheter approach  
   Faculty Disclosure: No relevant Financial Relationship

3. **17:00 – 17:15 Aortic Aneurysm**  
   Allan Stewart,  
   Associate Professor of Cardiac Surgery  
   Icahn School of Medicine at Mount Sinai  
   New York, NY, USA  
   Key Words: Aortic aneurysm, minimally invasive  
   Faculty Disclosure: No relevant Financial Relationship

4. **17:15 – 17:30 Anesthesia and Monitoring for Aneurysm Surgery**  
   Ferenc Puskas,  
   Associate Professor of Anesthesiology  
   University of Colorado  
   Denver, CO, USA  
   Key Words: spinal cord perfusion, cerebrospinal fluid pressure monitoring, spinal cord neuromonitoring, aortic surgery hemodynamic management  
   3. Bell MT, Puskas F, Bennett DT, Herson PS, Quillinan N, Fullerton DA, Reece TB. Dexmedetomidine, an α-2a adrenergic agonist, promotes ischemic tolerance in a murine

5. 17:30 – 17:45 CABG

Richard Daly, Professor of Surgery
Mayo Clinic College of Medicine
Rochester, MN, USA
Key Words: Arterial coronary grafts, Multiple grafts, Survival
Faculty Disclosure: No relevant Financial Relationships
17:45 **FIRESIDE DISCUSSION**

**LEADERS:**

George Silvay,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Joerg Ender,
Director of the Department of Anesthesiology
University of Leipzig Heart Center
Leipzig, Germany
Faculty Disclosure: No relevant Financial Relationships
07:30 – 08:00  REGISTRATION
08:00 – 09:30  Ultrasound-Guided Regional Blocks workshop**
Meg Rosenblatt,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationship

Anoushka Afonso,
Assistant Professor of Anesthesiology
Memorial Sloan Kettering Cancer Center
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationship

Bob Williams,
Director of Clinical Operations, Department of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

09:30 – 11:00  CRITICAL CARE
Moderators:  Michael Marsh,
            Professor and Chair of Anesthesiology
            Wayne State University
            Detroit, MI, USA
Faculty Disclosure: No relevant Financial Relationships

Michael Howie
Emeritus Professor of Anesthesiology
Ohio State University
Columbus, Ohio
Faculty Disclosure: No relevant Financial Relationship

1. 09:30 – 09:40  Hypoxia in ICU
Isabelle Michaux,
Professor of Critical Care
Cliniques Universitaires UCL de Mont-Godinne
Yvoir, Belgium
Key Words: Hypoxia, ICU, ARDS, PFO
Faculty Disclosure: No relevant Financial Relationship
2. 09:40 – 09:50   Ventilation in the ICU
George Grigolia,
Director of Anesthesiology
Cardiac Surgery Clinic “Open Heart”
Tbilisi, Georgia
Key Words: Pressure-controlled ventilation, Volume-controlled ventilation, BiPAP, Autoflow
Faculty Disclosure: No relevant Financial Relationship

3. 09:50 – 10:00   Ultrasound for Lung Monitoring in the ICU
Daniela Pasero,
Consultant, Cardiac Intensive Care Unit
University of Turin
Turin, Italy
Key Words: Ultrasound, Diaphragmatic dysfunction, Monitoring, Critically ill patients
Faculty Disclosure: No relevant Financial Relationship

4. 10:00 – 10:10   Acid-base Issues in the ICU
Stephen Kowalski,
Professor of Anesthesiology and Critical Care
University of Manitoba
Winnipeg, Manitoba, Canada
Key Words: Acid-base, Strong ion difference, Hyperchloremic acidosis
Faculty Disclosure: No relevant Financial Relationship

5. 10:10 – 10:20   LVAD Management in ICU
Koichi Nomoto,
Assistant Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Key Words: Left ventricular assist device, Postoperative management
Faculty Disclosure: No relevant Financial Relationship

6. 10:20 – 10:30   Cerebral Oximetry in the ICU
Christopher A. Troianos,
Professor and Chief of Anesthesiology
Allegheny Health Network - West Penn Hospital
Western Campus of Temple University School of Medicine
Pittsburgh, PA, USA
Key Words: Cerebral oximetry, Intensive care unit, Cardiac Surgery
Faculty Disclosure: No relevant Financial Relationship

10:30 – 11:00   Discussion

11:00 – 11:30   Coffee Break, Industrial Exhibits
11:30 – 12:20  **Economics and Legal Considerations**  
**Moderator:** Maria Galati,  
Vice Chair, Administration, Department of Anesthesiology  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Faculty Disclosure: No relevant Financial Relationship

Edwin Boelke,  
Professor Dr. med., Department of Radiation Oncology  
Heinrich Heine University  
Dusseldorf, Germany  
Faculty Disclosure: No relevant Financial Relationship

1.  **11:30 – 11:40  German Health Care System: What is Good and What Goes Wrong**  
   Edwin Boelke,  
   Professor Dr. med., Department of Radiation Oncology  
   Heinrich Heine University  
   Dusseldorf, Germany  
   Key Words: German health Care System, Social Security System, financial problems, legal aspects,  
   Faculty Disclosure: No relevant Financial Relationship

2.  **11:40 – 11:50  Practice Management Update 2015**  
   Maria Galati,  
   Vice Chair, Administration, Department of Anesthesiology  
   Icahn School of Medicine at Mount Sinai  
   New York, NY, USA  
   Key Words: Practice management, Phycisian reimbursement  
   Faculty Disclosure: No relevant Financial Relationship

3.  **11:50 – 12:00  Informed Consent and Refusal**  
   James Szalados,  
   Professor of Anesthesiology and Medicine  
   University of Rochester  
   Counsler and Attorney at Law  
   Rochester. NY, USA  
   Key Words: Autonomy, Communication, Assault and battery, Professional discipline, Professionalism  
12:00 – 12:20  Discussion

12:20 – 12:40  SPECIAL LECTURE
Introduction: George Silvay,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

“Patient Safety – Why Aren’t We Getting Better”
Robert Lagasse,
Professor and vice-chair of Anesthesiology
Director of Quality Management and Perioperative safety
Yale University School of Medicine
New Haven, CT, USA
Key Words: Medical errors, Patient safety, Perioperative mortality
Faculty Disclosure: No relevant Financial Relationship

16:30 – 18:00  HEMATOLOGY
Moderators: Carl-Johan Jakobsen,
Professor of Anesthesiology
Aarhus University Hospital-Skejby Sygehus
Aarhus, Denmark
Faculty Disclosure: No relevant Financial Relationship

Janet Martin,
Director, Medical Evidence, Decision Integrity, Clinical Impact
Co-Director, Evidence Based Perioperative Clinical outcomes research
Western University
London, Ontario, Canada
Faculty Disclosure: No relevant Financial Relationship

1. 16:30 – 16:40  Antifibrinolytics in the Perioperative Period
Prakash Patel,
Assistant Professor of Anesthesiology and Critical Care
University of Pennsylvania School of Medicine
Philadelphia, PA, USA
Key Words: Antifibrinolytics, Indications, Cardiac surgery, Guideline recommendations
Faculty Disclosure: No relevant Financial Relationship
2. 16:40 – 16:50  **Perioperative Anemia – An Update on the Role of Erythropoetin and Iron**  
Janet Martin,  
Director, Medical Evidence, Decision Integrity, Clinical Impact  
Co-Director, Evidence Based Perioperative Clinical outcomes research  
Western University  
London, Ontario, Canada  
Key Words: Perioperative anemia, Erythropoietic stimulating agents, Transfusion, Metaanalysis  
Faculty Disclosure: No relevant Financial Relationship

3. 16:50 – 17:00  **Safety of Synthetic Starches as a Volume Expander in the at-risk patient**  
Peter K. Schoenwald,  
Associate Professor of Anesthesiology  
Cleveland Clinic Lerner College of Medicine of Case Western Reserve University  
Cleveland, OH, USA  
Key Words: Hydroxyethyl starch, Tetrastarch, Hetastarch, Safety  
Faculty Disclosure: No relevant Financial Relationship

4. 17:00 – 17:10  **Continued Antiplatelets Therapy in Cardiac Surgery**  
Carl-Johan Jakobsen,  
Professor of Anesthesiology  
Aarhus University Hospital-Skejby Sygehus  
Aarhus, Denmark  
Key Words: Cardiac surgery, antiplatelet therapy, bleeding, platelets, thromboembolic complications  
Faculty Disclosure: No relevant Financial Relationship

5. 17:10 – 17:20  **Bloodless Cardiac Surgery**  
Jitka Lomova,  
Assistant Professor of Anesthesiology  
Institute for Clinical and Experimental Medicine  
Prague, Czech Republic  
Key Words: Cardiac Surgery, Bloodless, Jehovah’s Witness  
Faculty Disclosure: No relevant Financial Relationship

6. 17:20 – 17:30  **Point of Care Monitoring of Coagulation**  
Michael Sander,
Vice Chair Department of Anesthesiology and Intensive Care Medicine
Charité-Universitätsmedizin Berlin
Berlin, Germany

Key Words: During this session available point of care monitoring devices as well as the optimal diagnostic approach for coagulopathy and approaches to hemorrhage management in different patient groups will be discussed.

Recent faculty-authored references:
1. ESA guidelines on the management of severe perioperative bleeding: comments on behalf of the Subcommittee on Transfusion and Haemostasis of the European Association of Cardiothoracic Anaesthesiologists.
2. Activity of clotting factors in fresh-frozen plasma during storage at 4 degrees C over 6 days.
3. Thawing procedures and the time course of clotting factor activity in fresh-frozen plasma: a controlled laboratory investigation.

Faculty Disclosure: The Medicines Company (research grant); Edwards (research grant/speaker); Pulsion (research grant/speaker)

7. 17:30 – 17:40  Cardiopulmonary Bypass Without Heparin
Kent Rehfeldt,
Assistant Professor of Anesthesiology
Mayo Clinic
Rochester, MN, USA

Key Words: Cardiopulmonary bypass, Anticoagulation, Heparin

Faculty Disclosure: No relevant Financial Relationship

17:40 – 18:00  DISCUSSION
THURSDAY, JANUARY 22nd, 2015

07:30 – 08:30 REGISTRATION

08:00 – 09:30 Difficult Airway - Simulation Workshop**
Irene Osborn,
Associate Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationship

Ian Sampson,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationship

Tracey Staker,
Associate Professor of Anesthesiology
Montefiore Medical Center
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Bob Williams,
Director of Clinical Operations, Department of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

09:30 – 10:30 IMPACTING THE OUTCOME
Moderators: Anne Kolker,
Attending Anesthesiologist
Memorial Hospital for Cancer and Allied Diseases
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Michael Sander,
Vice Chair Department of Anesthesiology and Intensive Care Medicine
University Medicine Berlin
Berlin, Germany
Faculty Disclosure: The Medicines Company (research grant); Edwards (research grant/speaker); Pulsion (research grant/speaker)
1. 09:30 – 09:40 Perioperative Hypothermia and the Maintenance of Normothermia
Ian Sampson,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Key Words: Perioperative care, Risk assessment for Hypothermia, Mechanisms, Complications, Prevention, New developments
Faculty Disclosure: No relevant Financial Relationship

2. 09:40 – 09:50 Neuromuscular Monitoring and Clinical Outcomes
Glen Murphy,
Professor of Anesthesiology
University of Chicago Pritzker School of Medicine
Evanston, IL, USA
Key Words: Neuromuscular monitoring, Residual neuromuscular blockade, Adverse respiratory events
Faculty Disclosure: No relevant Financial Relationship

3. 09:50 – 10:00 Using Clinical Pathway to Improve Outcomes and Teamwork in the OR
Christopher Jankowski,
Associate Professor of Anesthesiology
Mayo Clinic College of Medicine
Rochester, MN, USA
Key Words: Clinical pathways, Perioperative care
Faculty Disclosure: No relevant Financial Relationship

4. 10:00 – 10:10 Preoperative Evaluation of Patients for Major Vascular Surgery
Zdravka Zafirova,
Assistant Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Key Words: Preoperative evaluation, Vascular surgery, Perioperative management
Faculty Disclosure: No relevant Financial Relationship

5. 10:10 – 10:20 Delayed Resuscitation in Trauma
Tomas Drabek,
Associate Professor of Anesthesiology
University of Pittsburgh School of Medicine
Pittsburg, PA, USA
Key Words: Hemorrhage, Trauma, Cardiac Arrest, Hypothermia
Recent faculty-authored references: 1. DrabekT, et al.
Microglial depletion using intrahippocampal injection of liposome-encapsulated clodronate in prolonged hypothermic cardiac arrest in rats. Resuscitation 2012; 83 (4):517-26
Faculty Disclosure: Dept of Defense (grant support) & The Laerdal Foundation (grant support)

10:20 – 10:30 Discussion

10:30 – 11:00 Coffee Break, Industrial Exhibits

11:00 – 12:50 MISCELANEOUS TOPICS
Moderators: Michael Howie
Emeritus Professor of Anesthesiology
Ohio State University
Columbus, Ohio
Faculty Disclosure: No relevant Financial Relationship

Ulku Aypar,
Professor and Chair of Anesthesiology
Hacettepe University
Ankara, Turkey
Faculty Disclosure: No relevant Financial Relationship

1. 11:00 – 11:10 Prevention of Fire in the OR
Ram Roth,
Assistant Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Key Words: Fire Prevention, Fire Triad, Ignition, Surgical Fire, Oxidizer
Faculty Disclosure: Merck - Speaker

2. 11:10 – 11:20 What anesthesiologists need to know about Ebola.
Andrew Goldberg
Assistant Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Keywords: Ebola, Personal protection
Faculty Disclosure: No relevant Financial Relationships

3. 11:20 – 11:30 Triple Multiorgan Dysfunction in Seniors
Silvester Krcmery, Juraj Hromec, Zsolt Kajor.
Faculty of Medicine
Comenius University School of Medicine
Bratislava, Slovak Republic
Keywords: Elderly patients, Sepsis, hepatic, and renal failure, Complications and treatment
Faculty Disclosure: No relevant Financial Relationships

**4. 11:30 – 11:40 Simulation in Anesthesia**
Torin D. Shear,
Assistant professor of Anesthesiology
Northwestern University Pritzker School of Medicine
Director of Anesthesia Simulation at the Grainger Center for Simulation and Innovation
Evanston, IL, USA
Keywords: Simulation, Anesthesia, Crisis resource management
Faculty Disclosure: No relevant Financial Relationships

**5. 11:40 – 11:50 Anesthesia in Trauma**
Michael Marsh,
Professor and Chair of Anesthesiology
Wayne State University School of Medicine
Detroit, MI, USA
Keywords: Trauma Prevalence Worldwide, Difficult airway management, Massive blood replacement, Sepsis in Trauma- Consequence and Complication, Sepsis-induced Cardiomyopathy and Anesthesia.
Recent faculty-authored references: Marsh HM. Trauma and Anesthesia Care. Revista Mexicana de Anestesiologica. 2013; 36: S28-30
Faculty Disclosure: No relevant Financial Relationships

**6. 11:50 – 12:00 Update in Neuroanesthesia**
Irene Osborn,
Associate Professor of Anesthesiology and Neurosurgery
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Keywords: Neuroanesthesia, Intracranial pressure, Neuromonitoring
Faculty Disclosure: No relevant Financial Relationship

**12:00 – 12:30 Discussion**

**12:30 – 12:50 SPECIAL LECTURE**
**Introduction:** George Silvay,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

**TEVAR Perioperative Management and Outcomes**
Davy Cheng,
Professor and Chair of the Department of Anesthesia
University of Western Ontario
London, Ontario, Canada
Keywords: Thoracic endovascular aortic repair, thoracic aortic aneurysm
Faculty Disclosure: No relevant Financial Relationship

16:30 – 18:30  **PRESENTATION OF INTERESTING & COMPLEX CASES**
By Residents, Fellows and Junior Attendings
(Power Point – 10 min each)
Moderators: Zdravka Zafirova, New York, NY, USA
Ian Sampson, New York, NY, USA

Judging committee: Zdravka Zafirova, New York, NY, USA
Ian Sampson, New York, NY, USA
Edwin Boelke, Dusseldorf, Germany
Christian Etz, Leipzig, Germany
Thomas Drabek, Pittsburgh, PA, USA

Program:
1. Renate Krassnig, Medical University Graz, University Hospital of Trauma Surgery, Graz, Austria: “Management of painful osteoporotic vertebral compression fractures in aged patients – Kyphoplasty under local anesthesia”
2. Christiane Matuschek, Heinrich Heine University, Düsseldorf, Germany: “Feasibility of 6-month maintenance cetuximab after adjuvant concurrent chemoradiation plus cetuximab in squamous cell carcinoma of the head and neck.”
4. Grace Huang, Icahn School of Medicine at Mount Sinai, New York, NY, USA: “Fontan pathway thrombi removal with AngioVac® aspiration system”
5. Ryan Tufts, Icahn School of Medicine at Mount Sinai, New York, NY, USA: “Intraoperative Anti-fibrinolytic Therapy Use During Scoliosis Repair for a Patient with Fontan Physiology”
6. Glenn Murphy, University of Chicago Pritzker School of Medicine, Evanston, IL, USA: “Intraoperative Methadone for the Prevention of Postoperative Pain: A Randomized, Double-Blinded Clinical Trial in Cardiac Surgical Patients”
7. Laura Sommer Hansen, Aarhus University Hospital, Aarhus, Denmark: “Management of Hemodynamically Unstable Pregnant Women with Mitral Stenosis”
8. Jan De Raet, Heart Center Leipzig, Leipzig, Germany: “Worst nightmare after transvenous cardiac pacing”
10. Marcin Karcz, University of Rochester School of Medicine & Dentistry, Rochester, NY, USA: “Multidisciplinary Approach to an Awake Craniotomy in a Pregnant Patient with a Large Intracranial Mass”
11. Norman-Philipp Hoff, Heinrich Heine University, Düsseldorf, Germany: “Lyophilized extract of the larva of the greenbottle fly Lucilia sericata for the management of chronic wounds: An update”

Prizes to the three best presentations will be awarded Friday.
FRIDAY JANUARY 23rd, 2015

07:30 – 08:30 REGISTRATION

08:00 – 09:30 TTE – Workshop**
Joerg Ender,
Director of the Department of Anesthesiology
University of Leipzig Heart Center
Leipzig, Germany
Faculty Disclosure: No relevant Financial Relationships

Marc Stone,
Professor of Anesthesiology
Program Director, Fellowship in Cardiothoracic Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Zak Hillel,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

Bob Williams,
Director of Clinical Operations, Department of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

09:30 – 10:30 CARDIAC ANESTHESIA AND SURGERY I
Moderators: Joerg Ender,
Director of the Department of Anesthesiology
University of Leipzig Heart Center
Leipzig, Germany
Faculty Disclosure: No relevant Financial Relationships

Marc Stone,
Professor of Anesthesiology
Program Director, Fellowship in Cardiothoracic Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships
1. 09:30 – 09:40 History of the Heart Lung Machine
George Silvay,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Key words: History of cardiac surgery; Heart lung machine; Open heart surgery

2. 09:40 – 09:50 Update in Mechanical Circulatory Support
Arie Blitz,
Professor and Chief of Cardiac Surgery
Director of Heart Transplantation and Mechanical Circulatory Support
University of Cincinnati Medical Center
Cincinnati, OH, USA
Key words: Mechanical circulatory support, ventricular assist devices
Faculty Disclosure: Thoratec, Heartware & Abiomed (own stock-self purchase)

3. 09:50 – 10:00 History of Cardiac Anesthesiology
Davy Cheng,
Distinguished University Professor and Chair of the Department of Anesthesia and Perioperative Medicine
University of Western Ontario
London, Ontario, Canada
Keywords: Fast track cardiac anesthetic, balanced cardiac anesthesia
Faculty Disclosure: No relevant Financial Relationship

10:00 – 10:30 Discussion

10:30 – 11:00 COFFEE BREAK, INDUSTRIAL EXHIBITS

11:00 – 11:20 SPECIAL LECTURE
Introduction: George Silvay,
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships
Highlights of Cardiothoracic and Vascular Anesthesia
John G. T. Augoustides,
Associate Professor of Anesthesiology and Critical Care
University of Pennsylvania School of Medicine
Philadelphia, PA, USA
Keywords: Perioperative cardiovascular evaluation, Multicenter perioperative clinical trials, Myocardial injury after noncardiac surgery, Atrial fibrillation, Valvular heart disease, Transcathteraortic valve replacement, Professional Society guidelines, Perioperative dental clearance
Faculty Disclosure: No relevant Financial Relationship

11:20 – 13:30 CARDIAC ANESTHESIA AND SURGERY II
Moderators:
Martin Dworschak,
Professor of Anesthesiology and Intensive Care Medicine
Medical University of Vienna
Vienna, Austria
Faculty Disclosure: No relevant Financial Relationships

Marc Stone
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Faculty Disclosure: No relevant Financial Relationships

1. 11:20 – 11:30 The Patient with a Cardiac Implantable Electronic Device
Marc E. Stone,
Professor of Anesthesiology
Program Director, Fellowship in Cardiothoracic Anesthesiology
Icahn School of Medicine at Mount Sinai
New York, NY, USA
Key Words: Pacemaker, ICD, Cardiac Resynchronization Therapy, CIED, perioperative management
Faculty Disclosure: No relevant Financial Relationships
2. 11:30 – 11:40 Interventional Treatment of Complicated Angina Pectoris
Martin Stritesky,
Associate Professor
Charles University
Prague, Czech Republic
Keywords: Refractory angina, Spinal cord stimulation, Thoracic sympathectomy, Stellate ganglion
Recent faculty-authored references: Interventional Treatment of Pain in Reractory Angina. A Rewiew
Miloš Dobiaš, Pavel Michalek, Petr Neužil, Martin Stříteský, Paul Johnston.
Faculty Disclosure: No relevant Financial Relationship

3. 11:40 – 11:50 Robotic Challenges for Anesthesiologists
Steven Ginsberg,
Clinical Professor of Anesthesia
Program Director Cardiothoracic Anesthesia Fellowship Section
Chief, Anesthesia for Robotic Surgery
Rutgers Robert Wood Johnson Medical School
New Brunswick, NJ, USA
Keywords: Airway issues, Breathing (ventilation) issues, Circulation (hemodynamic) issues, Positioning issues, Complications
Faculty Disclosure: No relevant Financial Relationship

4. 11:50 – 12:00 Anesthetic Management for Robotic Mitral Valve Surgery
Niki Dietz,
Professor of Anesthesiology
Mayo Clinic
Rochester, MN, USA
Keywords: Monitoring, Intraoperative course, Pain management
Faculty Disclosure: No relevant Financial Relationship

5. 12:00 – 12:10 Myocardial Protection in Minimally Invasive Mitral Surgery
Jean-Sébastien Lebon
Professeur adjoint de clinique
Directeur du programme
Département anesthésie
Université de Montréal
Institut de Cardiologie de Montréal
Montreal, Quebec, Canada
Keywords: Myocardial protection, Minimally invasive mitral surgery, Endovascular coronary sinus catheter
Recent faculty-authored references: 1. Lebon JS, Couture P, Rochon AG, Laliberté E, Harvey J, Aubé N, Cossette M,
6. **12:10 – 12:20** **PCI Ischemic Preconditioning with Anesthesia**  
Ronit Lavi,  
Associate Professor of Anesthesiology  
University of Western Ontario  
London, Ontario, Canada  
Keywords: Remote ischemic conditioning, Percutaneous coronary interventions, Sevoflurane, Angioplasty, Reperfusion injury  
Faculty Disclosure: Grant support from the Academic Medical Organization of Western Ontario, from internal research grants from the Departments of Medicine and Anesthesiology at the University of Western Ontario, and from the Canadian Anesthesiologist Society.

7. **12:20 – 12:30** **Spinal Cord Protection-Thoracic Aortic Aneurysm Repair**  
Naveed Saquib,  
Professor of Cardiothoracic and vascular Surgery  
The University of Texas Health Science Center at Houston  
Houston, TX, USA  
Keywords: Aortic Surgery, Paraplegia, Spinal cord protection, CSF drainage, Distal aortic perfusion  
Faculty Disclosure: No relevant Financial Relationships

8. **12:30 – 12:40** **Cardiac Masses**  
Frank Kletzin,  
Professor of Anesthesiology  
University Medicine Rostock UMR  
Rostock, Germany  
Keywords: Cardiac myxoma, cardiac fibroelastoma, cardiac sarcoma, cardiac metastasis  
Faculty Disclosure: No relevant Financial Relationships

9. **12:50 – 13:00** **Minimally invasive repair of aortic valve in seniors**  
Christian Etz  
Cardiac Surgery  
University of Leipzig Heart Center  
Leipzig, Germany  
Key Words: Aortic valve, minimally invasive, seniors  
Faculty Disclosure: No relevant Financial Relationship
11.13:10 – 13:20  **Current State of Surgical Versus Transcatheter Aortic Valve Replacement**  
Paul Stelzer,  
Professor of Cardiac Surgery  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Keywords: AVR, TAVR, Risk analysis  
Faculty Disclosure: No relevant Financial Relationships

12.13:20 – 13:30  **Fast Tracking of Cardiac Patients**  
Joerg Ender,  
Director of the Department of Anesthesiology  
University of Leipzig Heart Center  
Leipzig, Germany  
Keywords: Fast-tracking, Enhanced recovery, Cardiac surgery, Cardiac Anesthesia  
Faculty Disclosure: No relevant Financial Relationships

13:30  **CONCLUSION**  
George Silvay,  
Professor of Anesthesiology  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA  
Faculty Disclosure: No relevant Financial Relationships