38th Gulf Atlantic Anesthesia Residents’ Research Conference (GAARRC)

April 27-29, 2012
Hotel Caribe Hilton
San Juan, PR
The Fundación de Educación Médica Continuada de Puerto Rico, Inc. designates this educational activity for a maximum of 10 hours credit Category I towards the American Medical Association Physician Recognition Award (AMA-PRA). This activity has been planned and complemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Fundación de Educación Médica Continuada de Puerto Rico, Inc. and Department of Anesthesiology School of Medicine, University of Puerto Rico. The Fundación de Educación Médica Continuada de Puerto Rico, Inc. is accredited by the ACCME ID 4034300, the Puerto Rico Board of Medical Licensure and Discipline (034-11)-JLDM) and the Puerto Rico Office of Regulation and Certification of the Health Professional (ORCPS 00083) to provide continuing medical education for physicians and other Health Professionals.

All faculty and Speakers have been asked to provide Disclosure of any conflict of interest to the learner at the beginning of their presentations.
Hector Torres, MD  
Moderator and Course Director  
Professor of Anesthesiology  
Anesthesiology Research Director  
University of Puerto Rico Medical Sciences Campus

Peter Sebel, MD, PhD, MBA  
Keynote Speaker  
Professor and Vice Chair  
Department of Anesthesiology  
Emory University School of Medicine, GA

Miguel A. Marrero, MD  
Chair and Anesthesiology Residency Program Director  
Associate Professor of Anesthesiology  
Department of Anesthesiology  
University of Puerto Rico Medical Sciences Campus

Myrna Morales, MD  
Education Director and Assistant Professor  
Department of Anesthesiology  
University of Puerto Rico Medical Sciences Campus

Keith Candiotti, MD  
Professor Department of Anesthesiology  
Executive Vice Chair & Chief Operating Officer  
Vice Chair, Clinical Research  
Chief, Division of Perioperative Medicine  
Director Emeritus, Anesthesiology Residency Program  
University of Miami, Miller School of Medicine, FL

Sebastian R. Gatica-Moris, MD  
PGY-2  
Department of Anesthesiology  
University of Puerto Rico Medical Sciences Campus

César F. Hernández-Arroyo, MD  
Anesthesiology Research Fellow  
Department of Anesthesiology  
University of Puerto Rico Medical Sciences Campus

Maria V. Elkordy  
GAARRS Administrator  
Department of Anesthesiology  
University of Miami, Miller School of Medicine, FL
PROGRAM OVERVIEW

Friday, April 27, 2012

4:00 pm - 6:30 pm
Conference Check In/Upload Presentations  Condado Room 9th Floor

Saturday, April 28, 2012

6:00 am - 8:00 am
Registration and Continental Breakfast  Flamingo Foyer

8:00 am - 8:15 am
Welcome Remarks / Conference Introduction  Las Olas
Hector Torres, MD

8:15 am - 9:00 am
Keynote Address: Myths and Legends in Anesthesia  Las Olas
Peter Sebel, MD, PhD, MBA

9:15 am - 1:00 pm
Abstract Presentations
Case Report Session I  Flamingo Room A
Case Report Session II  Flamingo Room B
Literature Review  Flamingo Room C
Original Research Session I  Flamingo Room D

1:00 pm
Visit GAARRC Sponsors and Exhibitors  Flamingo Pre Foyer

1:00 pm
Future Direction of GAARRC  Condado Room 9th Floor
Program Directors or Delegates Lunch Meeting
Dr. Keith Candiotti

6:00 pm - 10:00 pm
Welcome Reception / Cocktail  Atlántico Redondel (Waterfront)
Casual Attire

Sunday, April 29, 2012

7:30 am - 8:30 am
Registration/Continental Breakfast  Flamingo Foyer

8:30 am - 11:00 am
Abstract Presentations
Case Report Session III  Flamingo Room A
Case Report Session IV  Flamingo Room B
Case Report Session V  Flamingo Room C
Original Research Session II/Case Report Session VI  Flamingo Room D

11:00 am - 12:30 pm
Visit GAARRC Sponsors and Exhibitors  Flamingo Pre Foyer

12:30 pm
Awards and Lunch for Residents and Judges  Las Olas
38TH ANNUAL GULF ATLANTIC ANESTHESIA RESIDENTS’ RESEARCH CONFERENCE

--- Friday, April 27, 2012 ---

4:00 pm – 6:30 pm – Condado Room 9th Floor
Conference Check in and Upload Presentations

--- Saturday, April 28, 2012 ---

6:00 am – 8:00 am – Flamingo Foyer – Registration and Continental Breakfast

8:00 am – 8:15 am – Las Olas
Welcome Remarks and Conference Introduction
Hector Torres, MD

8:15 am – 9:00 am – Las Olas
Myths and Legends in Anesthesia
Peter Sebel, MD

9:15 am – 1:00 pm – Flamingo Room A – Case Report Session I

9:15 am
Altered mental status and myoclonus in a patient post anterior cervical discectomy and fusion
Soo Kim, MD
University of Texas Medical Branch-Galveston

9:30 am
A Case Report of Seizure Under Burst Suppression with Propofol
Brooke Maryak, MD
Mayo Clinic, FL

9:45 am
Epidural Ropivacaine in an Acute Exacerbation of Complex Regional Pain Syndrome, a Case Report
Jared Landry, MD
Louisiana State University

10:00 am
Scleroderma in Pregnancy: An Anesthetic Challenge
Elaine Pages, MD
University of Miami

10:15 am
Acute Intraoperative Decompensation During Radiofrequency Liver Tumor Ablation
David Nguyen, MD
University of Texas Medical Branch-Galveston

10:30 am
Primary cesarean section in a patient with Fibrodysplasia Ossificans Progressiva
Ryan Guffey, MD
Emory University

10:45 am
Anesthetic and Critical Care Management of a 50-year-old Female with Atypical Hemolytic Uremic Syndrome - A Case Report
Brian J. Goentzel, MD
Scott and White Hospital/Texas A&M College of Medicine

11:00 am
--------BREAK--------
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
<th>Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:15 am</td>
<td>The Treatment of Protamine Induced Pulmonary Hypertension with Ketorolac: a Case Report</td>
<td>Kyle Kelly, MD</td>
<td>University of Texas Medical Branch-Galveston</td>
</tr>
<tr>
<td>11:30 am</td>
<td>Perioperative Management for the Removal of a Massive Ovarian Cystadenoma</td>
<td>Joshua Bailey, MD</td>
<td>Mayo Clinic, FL</td>
</tr>
<tr>
<td>11:45 am</td>
<td>Anesthetic Considerations for a Parturient With Muscular Dystrophy, Harrington Rod Instrumentation, and a History of Malignant Hyperthermia</td>
<td>Lindsay Attaway, MD</td>
<td>Tulane University</td>
</tr>
<tr>
<td>12:00 pm</td>
<td>Stiff Person Syndrome, Propofol, and Anesthetic Considerations: A Case Report</td>
<td>Shital Patel, MD</td>
<td>University of Mississippi Medical Center</td>
</tr>
<tr>
<td>12:15 pm</td>
<td>Anesthetic management for a case where significant hemorrhage is expected and compatible blood is not available due to an antibody against a common antigen: A review</td>
<td>Jared Boyd, MD</td>
<td>University of Miami</td>
</tr>
<tr>
<td>12:30 pm</td>
<td>Pulmonary Embolism, Thrombocytopenia, and Epidural Anesthesia in a Term Parturient</td>
<td>Jason Carroll, MD</td>
<td>University of Florida</td>
</tr>
<tr>
<td>12:45 pm</td>
<td>Unexpected Behavior of the Bispectral Index (BIS) in Patients after Brain Injury</td>
<td>Charles Mendoza, MD</td>
<td>University of Miami</td>
</tr>
</tbody>
</table>

9:15 am – 1:00 pm – Flamingo Room B – Case Report Session II

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
<th>Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:15 am</td>
<td>Eosinophilic Fascitis: Case report and Anesthetic Implications</td>
<td>Jessica Vickers, MD</td>
<td>Mayo Clinic, FL</td>
</tr>
<tr>
<td>9:30 am</td>
<td>Anticipating the Biphasic Anaphylactic Reaction to Isosulfan Blue and the Need for Postoperative Monitoring</td>
<td>Natalie R. Kahanek, MD</td>
<td>University of Texas Health Science Center San Antonio</td>
</tr>
<tr>
<td>9:45 am</td>
<td>Venous Air Embolism During Cesarean Section-A Case Report</td>
<td>Jimmy Le, MD</td>
<td>University of Texas Medical Branch-Galveston</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Right Ventricular Outflow Tract Tachycardia</td>
<td>Shiraz Yazdani, MD</td>
<td>Texas Tech University Health Sciences Center</td>
</tr>
<tr>
<td>10:15 am</td>
<td>Awake Craniotomy in a Rheumatoid Arthritis Patient with Difficult Airway Class Using Dexmedetomidine: A Case Report</td>
<td>Karinés Rivera, MD</td>
<td>University of Puerto Rico-Medical Sciences Campus</td>
</tr>
<tr>
<td>10:30 am</td>
<td>Anesthetic Implications in a Patient with Smith-Magenis Syndrome- A Case Report</td>
<td>César Hernández-Arroyo, MD</td>
<td>University of Puerto Rico-Medical Sciences Campus</td>
</tr>
</tbody>
</table>
10:45 am **Second Epidural for Wound Debridement with Subsequent Blood Patch After Prior Accidental Dural Puncture and Post Dural Puncture Headache in a Super Morbidly Obese Patient**
Jean Hsu, MD
University of Texas Medical Branch-Galveston

11:00 am \--------BREAK--------

11:15 am **Stress-induced Cardiomyopathy Immediately After a Preterm Cesarean Delivery with Prolonged Neuromuscular Blockade: A Challenging Case Report**
Linda T. Pearson, MD
Scott and White Hospital/Texas A&M College of Medicine

11:30 am **The Difficult Obstetric Airway: A Review and Case of Morquio Syndrome with Juvenile Polyarticular Arthritis**
Angeline K. Sawicki, MD
Scott and White Hospital/Texas A&M College of Medicine

11:45 am **Adenosine Administration in the Pediatric Patient for Medically Induced Hypotension During Attempted Endovascular Coiling of a Vein of Galen Brain Malformation.**
Christopher Moser, MD
University of Florida

12:00 pm **Aberrant Activation of the Bezold-Jarisch Reflex After Spinal Anesthesia Block Placement**
Clayton Adams, MD
Texas Tech University Health Sciences Center

12:15 pm **Airway Management in a Patient with Adult Onset Disseminated Xanthogranulomatosis**
William McCoy, MD
University of Florida

12:30 pm **Mediastinal Mass in a Parturient**
Alisha Palliser, MD
Wake Forest University

12:45 pm **Spinal Anesthesia for Laparoscopic Pyloromyotomy**
Titilopemi Aina, MD
University of Florida

---

9:15 am - 1:00 pm – Flamingo Room C – Literature Review

9:15 am **Acupuncture in Pregnancy, Labor, and Delivery**
Anna Woodbury, MD
Emory University

9:30 am **Postoperative Delirium: The Last Two Years**
Matthew R. McDaniel, MD
Duke University

9:45 am **Industrial Diving Physics, Complications, and Anesthetic Implications: A Review**
Amy Brummer, MD
University of Texas Medical Branch-Galveston

10:00 am **Post-surgical Ischemic Optic Neuropathy**
Ryan Guffey, MD
Emory University
10:15 am  **Anesthetic Considerations of a Patient with Hereditary Hemorrhagic Telangiectasia (HHT)**
Eric Glenn, MD
Tulane University

10:30 am  **Acute Respiratory Distress Syndrome and Obesity: A literature review**
Sebastián Gatica, MD
University of Puerto Rico-Medical Sciences Campus

10:45 am  **Anesthesia Related Learning Disabilities in the Pediatric Population**
Adam D. White, MD
University of Arkansas for Medical Sciences

11:00 am  --------BREAK--------

11:15 am  **Cost Reduction in Anesthesia**
Ryan Thrower, MD
University of Arkansas for Medical Sciences

11:30 am  **Comparison of Caudal Block Contents in the Pediatric Population**
Megha Karkera, MD
University of Arkansas for Medical Sciences

11:45 am  **Does Regional Anesthesia Decrease Cancer Recurrence? A Literature Review**
Olga Nin, MD
University of Florida

12:00 pm  **The Clinical Relevance of Noninvasive and Continuous Hemoglobin Measurement**
Quinicia Williams, MD
University of Texas Southwestern Medical Center

12:15 pm  **Trigeminal Neuralgia, Tic Douleureux, The Suicide Disease, How**
Michael Hana, MD
University of Texas Southwestern Medical Center

---

**9:15 am – 1:00 pm – Flamingo Room D – Original Research**

9:15 am  **Preoperative Ultrasound Findings in Patients Undergoing Brachial Plexus Repair**
Jonathan Renew, MD
Mayo Clinic, FL

9:30 am  **Does Nitrous Oxide Produce an Additive Change in the MAC Intubation of Sevoflurane in Children?**
Lalitha Sundararaman, MD
University of Miami

9:45 am  **Optimizing Thrombin Concentration to Preserve & Promote Neuronal Growth & Viability**
Anna Woodbury, MD
Emory University

10:00 am  **An Analysis of Intraoperative Fire Safety Preparedness**
Amit Yajnik, MD
Ochner Clinic Foundation

10:15 am  **The Role of Pediatric Advanced Life Support Training in Anesthesiology Resident Medical Education**
Karri Bernal, MD and Maria Garcia, MD
University of Texas Health Science Center San Antonio
10:30 am  Does a premedication assessment reduce adverse outcomes in patients undergoing transesophageal echocardiogram?
John Vu, MD
Ochner Clinic Foundation

10:45 am  Comparison of Ropivacaine/ fentanyl/ epinephrine for laboring epidural analgesia versus ropivacaine/fentanyl versus ropivacaine alone
Adam Lasserter, MD and Samir Patel, MD
University of Texas Health Science Center San Antonio

11:00 am  -------BREAK-------

11:15 am  Ultrasound-Guided Adductor-Canal Blockade for Postoperative Analgesia after Knee Arthroscopy: A Randomized, Double-Blind Prospective Study
Nathaniel Duhon, MD
Ochner Clinic Foundation

11:30 am  Acute Kidney Injury in the Gynecologic Surgical Patients
Arthur J. Vought, MD
University of Florida

11:45 am  Pain Outcomes in Robotic-Assisted Thoracic Surgery
Salaman Mian, MD
University of Alabama Birmingham

12:00 pm  Patient Medication Compliance on the Day of Surgery: Effects of Providing Patients with Standardized Written Medication Instructions
Michelle Downing, MD
University of Alabama Birmingham

12:15 pm  Failed Back Surgery Syndrome is Predicted With Greater Sensitivity Using Machine Algorithms
David Edwards, MD
University of Florida

12:30 pm  Fentanyl as an Adjunct to Bupivacaine in Spinal Anesthesia to Reduce Intraoperative Nausea During Uterine Exteriorization and Internalization in Elective Cesarean Section Patients
Pamela Fernández, MD
University of Puerto Rico Medical Sciences Campus

12:45 pm  Real time determination of inspiratory plateau pressure (Pplt), respiratory system compliance (Crs) and resistance (Rrs) without the need for an end-inspiratory pause
Nawar Al-Rawas, MD
University of Florida

1:00 pm – Flamingo Pre Foyer – Visit GAARRC Sponsors and Exhibitors

1:00 pm – Condado Room 6th Floor
Lunch Meeting for Program Directors or Delegates
Future Direction of GAARRC – Dr. Keith Candiotti

6:00 pm- 10:00 pm – Atlántico Redondel
Welcome Reception/Cocktail
--- Sunday, April 29, 2012 ---

7:00 am – 8:30 am – Flamingo Foyer – Registration and Continental Breakfast

8:30 am – 11:00 am – Flamingo Room A – Case Report Session III

8:30 am  Massive Pulmonary Embolism in a Morbidly Obese Parturient
Melanie McKissack, MD
University of Texas Medical Branch- Galveston

8:45 am  Papillary Muscle Rupture After Acute Myocardial Infarction: A Grave Prognosis
(Case Report)
Vikas Kumar, MD
University of North Carolina Chapel Hill

9:00 am  Amniotic Fluid Embolism and Perimortem Cesarean Section
Brian Burrough, MD
University of Miami

9:15 am  Case Report: Combined Spinal Epidural (CSE) Anesthesia and Fetal Muscle
Relaxation for Percutaneous Umbilical Blood Sampling (PUBS) and Fetal
Intravascular Transfusion (FIT) in an Obstetric Patient with Antiphospholipid
Syndrome
Siam Sukumvanich, MD
Mayo Clinic, FL

9:30 am  Anesthetic Considerations for heterotopic intrauterine and cervical pregnancy
Nerma Basic Scharn, MD
University of Mississippi Medical Center

9:45 am  ------BREAK------

10:00 am  Massive Transfusion in a Patient with Placenta Percreta Invading the Urinary
Bladder
Tuyet Ha D. Nguyen, MD
University of Texas Health Science Center San Antonio

10:15 am  Successful Epidural Anesthesia for Cesarean Section in a Parturient with a
Lumboperitoneal Shunt
Rebecca Johnson, MD
Tulane University

10:30 am  Carbon Dioxide narcosis and Respiratory Failure Following Laparoscopic
Cryotherapy
John Longanecker, MD
Texas Tech University Health Sciences Center

10:45 am  Case Report: Pregnant Patient With History of Peripartum Cardiomyopathy
Presents for Bilateral Ovarian Cyctectomy and Subsequent Cesarean
Section
Neel Thomas, MD
Wake Forest University

8:30 am – 11:00 am – Flamingo Room B – Case Report Session IV

8:30 am  High Frequency Jet Ventilation in Laser Laryngeal Surgery
Perene Patel, MD
Mayo Clinic, FL
8:45 am  A Case Report: Unique Considerations for Hand Transplantation  
Hailey Gillis, MD  
Emory University

9:00 am  Exhalatory Valve “Lock” in Portex 1st Response Adult Manual Resuscitators  
Ronak Desai, MD  
University of Texas Medical Branch-Galveston

9:15 am  Anesthetic Management of Amyotrophic Lateral Sclerosis  
Charlotte Walter, MD  
Texas Tech University Health Sciences Center

9:30 am  Effect of Positioning on MEP and SSEP monitoring  
Lillian V. Zamora, MD  
University of Mississippi Medical Center

9:45 am  --------BREAK--------

10:00 am  An Uncommon Approach to the Management of Placenta Percreta With Bladder Wall Invasion  
Kathryn Cobb, MD  
University of North Carolina Chapel Hill

10:15 am  Neuraxial Spread After an Ultrasound-Guided Posterior Lumbar Plexus Block: How Do We Stop Epidural Spread?  
Lindsey Keys, MD  
University of Texas Southwestern Medical Center

10:30 am  Acute Upper Airway Obstruction Due to Space Neck Infection in a Toddler: Airway Management and Anesthetic Considerations  
Todd Peacock, MD  
Wake Forest University

10:45 am  Recovery From Intraoperative Tumor Thrombus Embolization With Total Cardiovascular Collapse During Resection of Renal Tumor Invading the Inferior Vena Cava  
Christopher Terry, MD  
University of North Carolina Chapel Hill

8:30 am – 11:00 am – Flamingo Room C– Case Report Session V

8:30 am  Management of Trauma Patient with Bullet Lodged in Wall of Inferior Vena Cava  
Karvier Yates, MD  
Texas Tech University Health Sciences Center

8:45 am  Acute Aortic Occlusion Presenting As Paraplegia. A catastrophic complication to an elective surgery: a case report  
Robert McClain, MD  
Mayo Clinic, FL

9:00 am  Case Report: Large Left Atrial Mass: An Unusual Presentation and Complex Physiology  
Harrison Kibe, MD  
University of North Carolina Chapel Hill

9:15 am  Paravalvular leak of Aortic Valve Prosthesis in 67-year-old Male With Endocarditis  
Rahul Mishra, MD  
Texas Tech University Health Science Center

9:30 am  Magnets and Implantable Cardioverter Defibrillators: What’s the Problem?  
Fouad Souki, MD  
University of Miami

9:45 am  --------BREAK--------
10:00 am  Fiberoptic assisted extraction of endotracheal tube secretions using a Fogarty arterial embolectomy catheter in a patient with ARDS and a known difficult airway: Case Report
Matthew Engel, MD
University of North Carolina Chapel Hill

10:15 am  A Case of GI Bleed and Supratherapeutic INR From Duloxetine in a Chronic Lower Back Pain Patient on Concurrent Warfarin Therapy
Peter Vu, MD
University of Texas Southwestern Medical Center

10:30 am  Local Anesthetic Induced Cardiovascular Collapse after Supraclavicular Block: The Role of Intralipid Infusion in Successful Resuscitation
Rhasedah Ekeoduru, MD
University of Texas Southwestern Medical Center

8:30 am-11:00 am – Flamingo Room D – Original Research / Case Report Session VI

8:30 am  A Comparison of the efficacy of Continuous Nerve Block With Stimulating Catheters Placed Under Ultrasound Guidance Versus Nontimulating Catheters Placed Under Ultrasound Guidance: Preliminary Results
Aaron Shinkle, MD
University of Alabama Birmingham

8:45 am  The Application of Social Network Analysis and Graph Theory in a Comprehensive Stroke Center
Jennifer Chang, MD
University of Florida

9:00 am  Mass-Casualty Events and the Anesthesia Department: Analysis of the Perioperative Surge and Management After an EF4 Tornado April 27,2011 Birmingham, AL
Michael Long, MD
University of Alabama Birmingham

9:15 am  Network Analysis of Operating Room Communications
Sephali Patel, MD
University of Florida

9:30 am  The preoperative evaluation – what every resident should know
Titilope Aina, MD
University of Florida

9:45 am  ------BREAK------

10:00 am  Video Laryngoscopy: Despite an Excellent View, Still Can’t Intubate More Than a Few
Nick Sparler, MD
Wake Forest University

10:15 am  Complex perioperative pain management in a nine year old child with Hypertrophic Cardiomyopathy following traumatic lower limb injury requiring multiple operative procedures including a below the knee amputation
Otis Burnett, MD
University of North Carolina Capell Hill

10:30 am  Persistent Hiccups Following Caudal Epidural Steroid Injection (Case Report)
William Epps, MD
University of Texas Southwestern Medical Center

11:00 am – 12:30 pm – Flamingo Pre Foyer – Visit GAARRC Sponsors and Exhibitors

12:30 pm – Las Olas – Awards and Lunch for Residents and Judges