May 9, 2015

Dorrance H. Hamilton Building
1001 Locust Street

Sidney Kimmel Medical College
Thomas Jefferson University
Philadelphia, PA 19107
TABLE OF CONTENTS

Welcome ........................................................................................................................................... 3
Schedule of Events ................................................................................................................................ 4-9
Oral Podium Presentations, Original Research Sessions ........................................................................... 4,6
Oral Podium Presentations, Case Reports Sessions ................................................................................. 6,8
Poster Presentations, Original Research ................................................................................................. 4-5
Posters Presentations, Case Reports ........................................................................................................ 6-8
Awards Ceremony ..................................................................................................................................... 9
Abstract Listing with Presenting Authors ............................................................................................... 10-13
Acknowledgments ................................................................................................................................... 14-16

Full abstracts are available on the PARRC 2015 website
http://www.jefferson.edu/university/jmc/departments/anesthesiology/research/PARRC.html
Dear friends,

Welcome to Jefferson! On behalf of the Department of Anesthesiology and Sidney Kimmel Medical College at Thomas Jefferson University, we welcome you to the 10th Annual Pennsylvania Anesthesiology Resident Research Conference (PARRC) in Philadelphia.

As we celebrate the 10th Anniversary of the conference, we are pleased to see how the meeting has evolved over the years, offering our residents and faculty a unique opportunity to become engaged in research and meet peers and colleagues from other Pennsylvania institutions. We hope that you will feel a sense of pride as you note the high quality and novelty of some of the projects that will be presented by our residents. We encourage you to continue your scholarly efforts, your engaging of the young minds, while striving to strengthen your research programs. Let us propel our great specialty into the future, keeping in mind that without research a specialty cannot prosper.

Enjoy your visit and please let us know if there is anything we can do to make your experience more enjoyable and worthwhile.

Sincerely,

Zvi Grunwald, MD,
The James D. Wentzler Professor and Chair

Marc C. Torjman, Ph.D.
Professor
Director of Research

Stephen McNulty, DO,
Professor
Vice Chair for Education

Curtis T. Schley
Residency Program Coordinator
P A R R C  2 0 1 5

7:00-7:45 am  Poster set-up, Registration & Breakfast  Hamilton Lobby

7:45-8:00 am  Welcome  Hamilton Auditorium
Zvi Grunwald, MD, Chair

8:00-9:15 am  Oral Presentations, Original Research - Session I  Hamilton Auditorium

OR-3  Sean Antosh MD, Comparison Between The Risk Falls After Total Knee Arthroplasty With Use Of Femoral Nerve Block Versus Adductor Canal Block, Hospital Of The University of Pennsylvania, Nabil Elkassabany MD, MSCE, Mentor
OR-11, Daniel Abraham, MD, Hypoalbuminemia more than Morbid Obesity is an Independent Predictor of Complications after Total Hip Arthroplasty, Hospital Of The University of Pennsylvania, Jiabin Liu, MD, Mentor
OR-16, Zev Noah Kornfield, MD, Comparing Veno-Venous ECMO Scoring Systems' Ability to Predict in-Hospital Mortality in Patients with Severe ARDS, Hospital Of The University of Pennsylvania, Jacob T Gutsche MD, Mentor
OR-25, Gerhardt Konig, MD, Blood Volumes Discarded With Surgical Sponges, University of Pittsburgh Medical Center, Jonathan H. Waters, MD, Mentor
OR-37, Rachel Hadler, MD, Advance Directives and Operating: Room for Improvement? Hospital Of The University of Pennsylvania, Fleisher LA, MD, Mentor
OR-38, Corey Herman, MD, The effect of CPAP simulation and training on operator proficiency, Thomas Jefferson University, David Maguire, MD, Mentor

9:15 -10:15 am  Poster Presentations – Original Research and Coffee Break  Hamilton Lobby

GROUP 1
OR-1  Steven W McGrath MD, A Survey of Naloxone Use in Hospital Personnel as an Assessment of Safety, Thomas Jefferson University, Jaime L. Baratta MD, Mentor
OR-2  Leigh A Stevens, MD, MBA, Histopathological Observations in the Brains of Children Exposed to Inhalational Anesthetic Agents: A Retrospective Autopsy-Based Study, Drexel University College of Medicine/Hahnemann Hospital, Michael S. Green DO, Mentor
OR-5, Retracted
OR-6, Babatunde Afilaka, MD, Retrospective Analysis Of Pain Management In Patients Undergoing Pancreaticoduodenectomy And Liver Resection, Penn State Hershey Medical Ctr., Sonia Vaida, MD, Mentor
OR-7, Julie E DeVore, DO, MPH, Sedation Strategies For Procedures In The Cardiac Electrophysiology Laboratory, University of Pittsburgh Medical Center, Kathirvel Subramaniam, MD, Mentor
OR-8, Christian Lauver MD, Providers' Perceived Barriers To Quality, Penn State Hershey Medical Center, Julia Caldwell MD, Mentor
OR-10, Retracted
OR-12, Brian Hertzberg MD, Retrospective Analysis of Rib Fractures: Epidemiology, Associated Morbidity and Risk Factors, Penn State Hershey Medical Center, Julia Caldwell MD, Mentor
OR-13, Mansoor M Aman, MD, Innovative Health Systems Projects, Drexel University College of Medicine, Michael Green, DO, Mentor
OR-14 Retracted
GROUP 2

OR-20, Shawn M Falitz, MD, Minimal Tracheal Depth Of A Tube Exchange Catheter During Exchange Of Supraglottic Airway Devices For Endotracheal Tubes, Penn State Hershey Medical Center, Arne O. Budde, MD, Mentor
OR-21, Marc B Royo MD, MBA, Implementation of a Perioperative Enhanced Recovery Pathway for Elective Colorectal Surgery, Hospital Of The University of Pennsylvania, Lee A Fleisher MD, Mentor
OR-22, Jacob Benrud, MD, The Portable Glostavent: Speed of Assembly and Successful Ventilation for Naive Operators, Penn State Hershey Medical Center, Julie Vuong, MD, Mentor
OR-23, Amanda Lukof, MD, Complications of Intra-arterial Chemotherapy, Thomas Jefferson University, Ian Yuan, MD, Mentor
OR-26, Brian Lai, MD, Prescribing Patterns of Discharge Pain Regimen for Patients Undergoing Common Surgical Procedures, Thomas Jefferson University, Eugene Viscusi, MD, Mentor
OR-27, Brian Lai, MD, Use of Skeletal Muscle Relaxants in the Postoperative Period, Thomas Jefferson University, Eugene Viscusi, MD, Mentor
OR-28, Lauren M Pieczynski, MD Emergency Department Pain Management in Cognitively Impaired Versus Cognitively Intact Older Adults with Hip Fracture, Hospital Of The University of Pennsylvania, Mark Neuman, MD, Mentor
OR-35, Joseph A Leckie MD, Talk Is Cheap: A Half-Day Retreat For Improving Communication Between Surgeons And Anesthesiologists, Penn State Hershey Medical Center, Julie Vuong, MD, Mentor

GROUP 3

OR-15, Emily J MacKay, DO, Optimization of Ventilation During Laparoscopic Surgery Using a Lung Simulator Model, Thomas Jefferson University, David M. Maguire MD, Mentor
OR-18, Andrius Giedraitis, MD, MBA, MSE, Incorporating an OR Performance Report Card into Personal Effectiveness Evaluation in a Large Anesthesiology Training Program, University of Pittsburgh Medical Center, Mark Hudson, MD, MBA, Mentor
OR-30, Ronak Shah MD, Thrombocytopenia as etiology of bleeding associated with veno-venous ECMO, Hospital Of The University of Pennsylvania, Jacob T Gutsche MD, Mentor
OR-31, Natalya NM Riek, DO, MS, Retrospective Review of Pediatric Cardiac Tumors Between 1986-2014 at The Penn State Milton S. Hershey Medical Center, Penn State Hershey Medical Center, Jansie Prozesky, MB, ChB, Mentor
OR-32, Mehreen Iqbal, MD, Distinct Effects of Propofol and Methohexital at Individualized Dosages on Seizure Induction and Seizure Duration During Electroconvulsive Therapy, Geisinger Medical Center, Michael H. Entrup, MD, and Dietrich Gravenstein, MD, Mentors
OR-33, Retracted
OR-34, Elizabeth K Laverriere, MD, MPH, The Impact of Severity and Duration of Hypotension on Outcomes Following Out-of-Hospital Pediatric Cardiac Arrest, Hospital Of The University of Pennsylvania, Alexis A. Topjian, MD, MSCE, Mentor
OR-36, Sokpoleak So MD, Optimization of ultrasound probe positioning during endotracheal tube placement confirmation in the cadaveric model, University of Pittsburgh Medical Center, Steven L. Orebaugh MD, Mentor
10:15 - 11:30 am  Oral Presentations, Case Reports - Session I  Hamilton Auditorium

CR-24, Emily J MacKay, DO, A Rare Genetic Variant of the Ryanodine Receptor in a Suspected Malignant Hyperthermia Patient, Thomas Jefferson University, Kennedy TL, MD, Mentor
CR-25, Neha M Soares MD, Pneumothorax After Trigger Point Injections – Is It Really As Rare As We Think? Penn State Hershey Medical Center, Sonia Vaidya, MD, Mentors
CR-40, Manish Shah MD, Amniotic Fluid Embolism – A Surviving Case, Penn State Hershey Medical Center, Sonia Vaidya MD, Anita Malhotra MD, Mentors
CR-41, Manish Shah MD, Delayed Onset of Horner’s Syndrome after a Stellate Ganglion Block in a patient with Complex Regional Pain Syndrome – Case Report, Penn State Hershey Medical Center, Julia Caldwell, MD, Mentor

CR-42, Rachel Hadler, MD, Extracorporeal Membranous Oxygenation (ECMO) as Support for Hemophagocytic Lymphohistiocytosis (HLH), Hospital of the University of Pennsylvania, Krzysztof Laudanski, MD, Mentor
CR-43, Caroline Protin, MD, The Use Of A Continuous Infusion Of Intravenous Heparin To Treat Intracardiac Thrombosis During Liver Transplantation, Penn State Hershey Medical Center, Dimitri Bezinover, MD, Mentor

11:30 - 12:15 Lunch & Poster Viewing  Hamilton Lobby

12:15 – 1:30 pm  Oral Presentations, Original Research - Session II  Hamilton Auditorium

OR-4, Venkataraman Iyer, MD, The Role of Ethnicity in Liver Transplantation Thrombotic Complications, Penn State Hershey Medical Center, Dimitri Bezinover, MD, Mentor
OR-9, Matthew McClain MD, Nociceptin Concentration In Synovial Fluid And Plasma In Patients Undergoing Primary Total Knee Arthroplasty: A Prospective Pilot Study, Penn State Hershey Medical Center, Julia Caldwell MD, Thomas Verbeek MB, ChB, Mentor
OR-17, Andrius Giedraitis, MD, MBA, MSE, CRNA Billed-to-Staffed Hours as a Measure of Operating Room Efficiency Across a Large Multi-Hospital Health Care System, University of Pittsburgh Medical Center, Mark Hudson, MD, MBA, Mentor
OR-19, Keith Vogt, MD for Gaurav Rajpal, MD, Evaluation of Neurological Outcomes after Interscalene Nerve Block for Ambulatory Shoulder Surgery, University of Pittsburgh Medical Center, Steven L. Orebaugh MD, Mentor
OR-24, Patrick Hackett, MD, Practice Patterns and Impact of Tidal Volume During One-Lung Ventilation on Outcome in Patients Undergoing Esophagectomy, University of Pittsburgh Medical Center, Murat Kaynar, MD, Mentor
OR-29, Ezeldeen Abuelkasem, MD, MSc, FIBTEM is More Sensitive than EXTEM and Kaolin-TEG in Detecting Fibrinolysis: Part II of a Prospective Comparative Study Between ROTEM® vs. TEG® in Liver Transplantation, University of Pittsburgh Medical Center, Tetsuro Sakai, MD, PhD, Mentor

1:30 - 2:30 pm  Poster Presentations – Case Reports  Hamilton Lobby

GROUP 1
CR-1, James Lincoln MD, Bronchoscopy for Biopsy of Large Hilar Mass Compressing Carina and Superior Vena Cava, Drexel University College of Medicine, Velvet Patterson M.D. and Mario Gonzalez D.O., Mentor
CR-2, Poovendran Satthasivam, MD, “Pop” on Induction; An Unanticipated Complete Airway Obstruction In A Child for Dental Surgery, Drexel University College of Medicine, Konstantinos Pilidis, Yuri Shevchenko, MD, Mentor
CR-3, Marlene Barnhouse, MD, PhD, Neurologic complications after bariatric surgery, Drexel University College of Medicine, Anita Gupta, DO, PharmD, Mentor

CR-5, Kevin Funez, MD, Tension Pneumothorax During Elective Tracheotomy, Penn State Hershey Medical Center, Sonia Vaida, MD, Mentor

CR-6, Nicholas J Schott MD, Intraoperative use of Point of Care Ultrasonography (POCUS) for Stat Cesarean Delivery with Refractory Hypoxemia, University of Pittsburgh Medical Center, Susan McElroy, DO, Mentor

CR-8, Kathryn Price, MD, Unilateral Approach To Neurolytic Superior Hypogastric Plexus Block For Chronic Pelvic Pain Associated With Cancer, Allegheny Health Network, Till Conermann, MD, Mentor

CR-9, Kathryn Price, MD, Selection Of The Optimal Combined General-Regional Anesthetic Technique In A Complex Patient Undergoing Vascular Surgery, Allegheny Health Network, Rafik Tadros, MD, Mentor

CR-10, Kathryn Price, MD, Ultrasound-Guided Transversus Abdominis Plane Block For The Treatment Of Postoperative Pain Following Iliac Crest Bone Grafting, Allegheny Health Network, Rafik Tadros, MD, Mentor

GROUP 2

CR-7, Brandon Rein D.O., Presumed S1 Transforaminal Epidural Steroid Injection-Induced Reactivation of Herpes Zoster Along The Corresponding Dermatome, Penn State Hershey Medical Center, Julia Caldwell MD, Vitaly Gordin MD, Mentor

CR-15, Mary Matyi, MD Quantification of Supraglottic Edema in Epiglottitis and the Role of Video Laryngoscopy, Allegheny Health Network, Christopher Troianos, MD, Mentor

CR-16, Andrew Hulme MD, Epidural Anesthesia for Renal Transplant in a Patient with Severe Pulmonary Disease, University of Pittsburgh Medical Center, John Hache MD, Mentor

CR-17, John Rossi, MD, Stress Cardiomyopathy in Liver Transplant, Penn State Hershey Medical Center, Thomas Verbeek, MBChB, Mentor

CR-20, Natalia Martinez Acero, MD, Repeated Cardioplegic Arrest of Donor Allograft During Orthotopic Heart Transplant, Penn State Hershey Medical Center, Dmitri Guvakov, MD, Mentor

CR-26, Neha M Soares MD, Subcutaneous Emphysema And Pneumo-Mediastinum Secondary To Pyriform Sinus Perforation During An Emergent Intubation Attempt, Penn State Hershey Medical Center, Carr Zyad, MD, Vaida Sonia, MD, Mentors

CR-28, Michelle DaCosta, MD, Rescue TEE Diagnosis of Acute Pulmonary Embolism Prompting Pulmonary Embolectomy, Allegheny Health Network, Christopher Troianos, MD, Ricardo Cardenas, MD, Mentors

CR-29, Michelle DaCosta, MD, Bivalirudin Used in Patient with history of Heparin Induced Thrombocytopenia (HIT) with Previous Coronary Artery Bypass Graft (CABG), Allegheny Health Network, Saket Singh, MD, Mentor

GROUP 3

CR-13, Christopher Hoffman DO, Methemoglobinemia Induced By Benzocaine Spray, Drexel University College of Medicine, Pramod Kalikiri MD, Mentor

CR-14, Christopher Hoffman DO, Autotriggering Caused By Cardiogenic Oscillation During Pressure Support Mechanical Ventilation, Drexel University College of Medicine, Michael Green DO, Mentor

CR-18, Amanda Lukof, MD, Anesthetic Management of Cesarean Section in a Parturient with Heterotaxy Syndrome and Severe Mitral Stenosis, a Case Report, Thomas Jefferson University, Suzanne Huffnagle, DO, Mentor

CR-21, Uzung Yoon, MD, Modified Nasal Trumpet For Airway Management Of A Patient With Undiagnosed Obstructive Sleep Apnea Undergoing An Awake Craniotomy, Thomas Jefferson University, Ian Yuan, MD, Mentor

CR-22, Amanda Lukof, MD, Management of Hepatopulmonary Syndrome Post Liver Transplant, Thomas Jefferson University, Elia Elia, MD; Yoogoo Kang, MD, Mentors
CR-23, Mansoor M Aman, MD, Maternal Cyclical Tachycardia During Labor: A Sign of Hypovolemia, Drexel University College of Medicine, Mary Im, MD, Mentor

CR-27, Emily Penick, MD, Anesthetic Considerations For A Large, Long-Standing, Symptomatic Traumatic Diaphragmatic Hernia Repair, Thomas Jefferson University, Kennedy Tara L, MD, Mentor

CR-37, Velvet Patterson MD, Dynamic Airway Collapse Masquerading as Esophageal Intubation? Drexel University College of Medicine, Mian Ahmad MD, Mentor

GROUP 4

CR-11, Emily Penick, MD for Rano Faltas MD, A Case Of Cutaneous Manifestations Of Granulomatosis With Polyangiitis And Steroid Induced Skin Atrophy Resulting In A Significant Skin Laceration Intraoperatively After Routine IV Access, Thomas Jefferson University, Suzanne Huffnagle, DO, Mentor

CR-12, Emily Penick, MD for Rano Faltas MD, A Novel Approach To The Management Of Parsonage-Turner Syndrome, Thomas Jefferson University, Eugene R. Viscusi MD, Mentor

CR-30, Victoria Saites MD, Acute Hypotension Following 50% Dextrose Injections: A Case Report, Hospital of the University of Pennsylvania, Krzysztof Laudanski MD, PhD, Mentor

CR-32, Albert Tsai, MD, Tricuspid and Pulmonic Valve Replacement in a Patient with Carcinoid Heart Disease: A Case Report of Early Post-Operative Improvement in Functional Status, Hospital of the University of Pennsylvania, Prakash Patel, MD, Aris Sophocles, MD, Mentors

CR-33, Matthew M Corrieveau, MD, Anesthetic Management of a Patient with Complete Placenta Previa and Placenta Accreta Who Refuses Administration of Blood Products, Geisinger Medical Center, Michael H. Entrup MD, Mentor

CR-34, Anish Sethi DO, An Incidental Finding of Cleft Palate—A Case Report, Temple University Hospital, D Kim MD, Mentor

CR-35, James Lamberg, DO, Arrhythmia During Transversus Abdominis Plane Block With EXPAREL, Penn State Hershey Medical Center, Milena Pilipovic, MD, Mentor

CR-44, Vishal Patel MD, Fontan Physiology With Situs Inversus For Laparoscopic Cholecystectomy, Drexel University College of Medicine, Nagaraj Lingaraju MD, Mentor

2:30 - 3:45 pm Oral Presentations, Case Reports - Session II Hamilton Auditorium

CR-4, Sadie Smith, MD, Goltz Syndrome: A Dermatologic Urgency Turned into an Airway Emergency, Penn State Hershey Medical Center, Kavita Gadhok, MD, Dimitri Guvakov, MD, Mentors

CR-19, Mansoor Aman, MD, for Alpana Saini, DO, Novel Use of Pharmacogenetic Testing in the Identification of CYP2C9 Polymorphisms Related to NSAID-Induced Gastropathy, Drexel University College of Medicine, Anita Gupta, DO, PharmD, Mentor

CR-31, Derek S Lauter, MD, A Tracheal Resection Complicated by the Unintended Suturing of an Endotracheal Tube to the Trachea Through the Murphy Eye, University of Pittsburgh Medical Center, Patrick J. Forte, MD, Mentor

CR-36, Michael S Thompson, DO, Penetrating Trauma Complicated By Massive Intraoperative Pulmonary Embolism After Tranexamic Acid Treatment, University of Pittsburgh Medical Center, Theresa A. Gelzinis, MD, Mentor

CR-38, Shravani Durbhakula, MD for Rano Faltas, MD, A Case Of Intraoperative Awareness In A Chronic Pain Patient Despite More Than Adequate Depth Of Anesthesia, Thomas Jefferson University, Eugene R. Viscusi MD, Mentor

CR-39, Bradley M Hammond, DO, The Perioperative Management Of An Adult Patient With A Symptomatic Mediastinal Mass, Temple University Hospital, Cherie Erkmen, MD, Scott Schartel, DO, Mentors
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:45 – 4:00 pm</td>
<td>Judges Meeting</td>
<td>Hamilton Auditorium</td>
</tr>
<tr>
<td>3:45 – 4:00 pm</td>
<td>Awards Ceremony</td>
<td>Hamilton Auditorium</td>
</tr>
</tbody>
</table>

**FAER Awards for Original Research**
Lee A Fleisher, MD (FAER Representative), Robert Dunning Dripps Professor and Chair, Department of Anesthesiology and Critical Care, University of Pennsylvania Health System

**Case Report Awards**
Marc C Torjman, PhD, Professor and Director of Research, Department of Anesthesiology, Sidney Kimmel Medical College, Thomas Jefferson University

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 pm</td>
<td>Closing Remarks and Adjournment</td>
<td>Hamilton Auditorium</td>
</tr>
</tbody>
</table>
OR-1 Steven W McGrath MD, A Survey of Naloxone Use in Hospital Personnel as an Assessment of Safety, Thomas Jefferson University, Jaime L. Baratta MD, Mentor

OR-2 Leigh A Stevens, MD, MBA, Histopathological Observations in the Brains of Children Exposed to Inhalational Anesthetic Agents: A Retrospective Autopsy-Based Study, Drexel University College of Medicine/Hahnemann Hospital, Michael S. Green DO, Mentor

OR-3 Sean Antosh MD, Comparison Between The Risk Falls After Total Knee Arthroplasty With Use Of Femoral Nerve Block Versus Adductor Canal Block, Hospital Of The University of Pennsylvania, Nabil Elkassabany MD MSCE, Mentor

OR-4, Venkataraman Iyer, MD, The Role of Ethnicity in Liver Transplantation Thrombotic Complications, Penn State Hershey Medical Center, Dimetri Bezinover, MD, Mentor

OR-5, Retracted

OR-6, Babatunde Afilaka, MD, Retrospective Analysis Of Pain Management In Patients Undergoing Pancreaticoduodenectomy And Liver Resection, Penn State Hershey Medical Center, Sonia Vaida, MD, Mentor

OR-7, Julie E DeVore, DO, MPH, Sedation Strategies For Procedures In The Cardiac Electrophysiology Laboratory, University of Pittsburgh Medical Center, Kathirvel Subramaniam, MD, Mentor

OR-8, Christian Lauver MD, Providers’ Perceived Barriers To Quality, Penn State Hershey Medical Center, Julia Caldwell MD, Thomas Verbeek M.B., Ch.B., Mentor

OR-10, Retracted

OR-11, Daniel Abraham, MD, Hypalbuminemia more than Morbid Obesity is an Independent Predictor of Complications after Total Hip Arthroplasty, Hospital Of The University of Pennsylvania, Jiabin Liu, Mentor

OR-12, Brian Hertzberg MD, Retrospective Analysis of Rib Fractures: Epidemiology, Associated Morbidity and Risk Factors, Penn State Hershey Medical Center, Julia Caldwell MD, Mentor

OR-13, Mansoor M Aman, MD, Innovative Health Systems Projects, Drexel University College of Medicine, Michael Green, DO, Mentor

OR-14 Retracted

OR-15, Emily J MacKay, DO, Optimization of Ventilation During Laparoscopic Surgery Using a Lung Simulator Model, Thomas Jefferson University, David M. Maguire MD, Mentor

OR-16, Zev Noah Kornfield, Comparing Veno-Venous ECMO Scoring Systems’ Ability to Predict in-Hospital Mortality in Patients with Severe ARDS, Hospital Of The University of Pennsylvania, Jacob T Gutsche MD, Mentor

OR-17, Andrius Giedraitis, MD, MBA, MSE, CRNA Billed-to-Staffed Hours as a Measure of Operating Room Efficiency Across a Large Multi-Hospital Health Care System, University of Pittsburgh Medical Center, Mark Hudson, MD, MBA, Mentor

OR-18, Andrius Giedraitis, MD, MBA, MSE, Incorporating an OR Performance Report Card into Personal Effectiveness Evaluation in a Large Anesthesiology Training Program, University of Pittsburgh Medical Center, Mark Hudson, MD, MBA, Mentor

OR-19, Keith Vogt, MD for Gaurav Rajpal, MD, Evaluation of Neurological Outcomes after Interscalene Nerve Block for Ambulatory Shoulder Surgery, University of Pittsburgh Medical Center, Steven L. Orebaugh MD, Mentor

OR-20, Shawn M Falitz, MD, Minimal Tracheal Depth Of A Tube Exchange Catheter During Exchange Of Supraglottic Airway Devices For Endotracheal Tubes, Penn State Hershey Medical Center, Arne O. Budde, MD, Mentor

OR-21, Marc B Royo MD, MBA, Implementation of a Perioperative Enhanced Recovery Pathway for Elective Colorectal Surgery, Hospital Of The University of Pennsylvania, Lee A Fleisher MD, Mentor

OR-22, Jacob Benrud, MD, The Portable Glostavent: Speed of Assembly and Successful Ventilation for Naïve Operators, Penn State Hershey Medical Center, Julie Vuong, MD, Mentor

OR-23, Amanda Lukof, MD, Complications of Intra-arterial Chemotherapy, Thomas Jefferson University, Ian Yuan, MD, Mentor

OR-24, Patrick Hackett, MD, Practice Patterns and Impact of Tidal Volume During One-Lung Ventilation on Outcome in Patients Undergoing Esophagectomy, University of Pittsburgh Medical Center, Murat Kaynar, MD, Mentor
CASE REPORTS [CR] ABSTRACT LIST

CR-1, James Lincoln MD, Bronchoscopy for Biopsy of Large Hilar Mass Compressing Carina and Superior Vena Cava, Drexel University College of Medicine, Velvet Patterson MD and Mario Gonzalez DO, Mentor

CR-2, Poovendran Satthasivam, MD, “Pop” on Induction; An Unanticipated Complete Airway Obstruction In A Child for Dental Surgery, Drexel University College of Medicine, Konstantinos Pilidis, Yuri Shevchenko, MD, Mentor

CR-3, Marlene Barnhouse, MD, PhD, Neurologic complications after bariatric surgery, Drexel University College of Medicine, Anita Gupta, DO, PharmD, Mentor

CR-4, Sadie Smith, MD, Goltz Syndrome: A Dermatologic Urgency Turned into an Airway Emergency, Penn State Hershey Medical Center, Kavita Gadhok, MD, Dimitri Guvakov, MD, Mentors

CR-5, Kevin Funez, MD, Tension Pneumothorax During Elective Tracheotomy, Penn State Hershey Medical Center, Sonia Vaida, MD, Mentor

CR-6, Nicholas J Schott MD, Intraoperative use of Point of Care Ultrasonography (POCUS) for Stat Cesarean Delivery with Refractory Hypoxemia, University of Pittsburgh Medical Center, Susan McElroy, DO, Mentor

CR-7, Brandon Rein DO, Presumed S1 Transforaminal Epidural Steroid Injection-Induced Reactivation of Herpes Zoster Along The Corresponding Dermatome, Penn State Hershey Medical Center, Julia Caldwell M.D., Vitaly Gordin MD, Mentor

CR-8, Kathryn Price, MD, Unilateral Approach To Neurolytic Superior Hypogastric Plexus Block For Chronic Pelvic Pain Associated With Cancer, Allegheny Health Network, Till Conermann, MD, Mentor
CR-9, Kathryn Price, MD, Selection Of The Optimal Combined General-Regional Anesthetic Technique In A Complex Patient Undergoing Vascular Surgery, Allegheny Health Network, Rafik Tadros, MD, Mentor

CR-10, Kathryn Price, MD, Ultrasound-Guided Transversus Abdominis Plane Block For The Treatment Of Postoperative Pain Following Iliac Crest Bone Grafting, Allegheny Health Network, Rafik Tadros, MD, Mentor

CR-11, Emily Penick, MD for Rano Faltas MD, A Case Of Cutaneous Manifestations Of Granulomatosis With Polyangiitis And Steroid Induced Skin Atrophy Resulting In A Significant Skin Laceration Intraoperatively After Routine IV Access, Thomas Jefferson University, Suzanne Huffnagle, DO, Mentor

CR-12, Emily Penick, MD for Rano Faltas MD, A Novel Approach To The Management Of Parsonage-Turner Syndrome, Thomas Jefferson University, Eugene R. Viscusi MD, Mentor

CR-13, Christopher Hoffman DO, Methemoglobinemia Induced By Benzocaine Spray, Drexel University College of Medicine, Pramood Kalikiri MD, Mentor

CR-14, Christopher Hoffman DO, Autotriggering Caused By Cardiogenic Oscillation During Pressure Support Mechanical Ventilation, Drexel University College of Medicine, Michael Green DO, Mentor

CR-15, Mary Matyi, MD Quantification of Supraglottic Edema in Epiglottitis and the Role of Video Laryngoscopy, Allegheny Health Network, Christopher Troianos, MD, Mentor

CR-16, Andrew Hulme MD, Epidural Anesthesia for Renal Transplant in a Patient with Severe Pulmonary Disease, University of Pittsburgh Medical Center, John Hache MD, Mentor

CR-17, John Rossi, MD, Stress Cardiomyopathy in Liver Transplant, Penn State Hershey Medical Center, Thomas Verbeek, MBChB, Mentor

CR-18, Amanda Lukof, M.D., Anesthetic Management of Cesarean Section in a Parturient with Heterotaxy Syndrome and Severe Mitral Stenosis, a Case Report, Thomas Jefferson University, Suzanne Huffnagle, DO, Mentor

CR-19, Mansoor Aman, MD, for Alpana Saini, DO, Novel Use of Pharmacogenetic Testing in the Identification of CYP2C9 Polymorphisms Related to NSAID-Induced Gastroopathy, Drexel University College of Medicine, Anita Gupta, DO, PharmD, Mentor

CR-20, Natalia Martinez Acero, MD, Repeated Cardioplegic Arrest of Donor Allograft During Orthotopic Heart Transplant, Penn State Hershey Medical Center, Dimitri Guvakov, MD, Mentor

CR-21, Uzung Yoon, MD, Modified Nasal Trumpet For Airway Management Of A Patient With Undiagnosed Obstructive Sleep Apnea Undergoing An Awake Craniotomy, Thomas Jefferson University, Ian Yuan, MD, Mentor

CR-22, Amanda Lukof, MD, Management of Hepatopulmonary Syndrome Post Liver Transplant, Thomas Jefferson University, Elia Elia, MD; Yoogoo Kang, MD, Mentors

CR-23, Mansoor M. Aman, MD, Maternal Cyclical Tachycardia During Labor: A Sign of Hypovolemia, Drexel University College of Medicine, Mary Im, MD, Mentor

CR-24, Emily MacKay, DO, A Rare Genetic Variant of the Ryanodine Receptor in a Suspected Malignant Hyperthermia Patient, Thomas Jefferson University, Kennedy TL, MD, Mentor

CR-25, Neha M. Soares MD, Pneumothorax After Trigger Point Injections – Is It Really As Rare As We Think? Penn State Hershey Medical Center, Sonia Vaida, MD, Mentors

CR-26, Neha M Soares MD, Subcutaneous Emphysema And Pneumo-Mediastinum Secondary To Pyriform Sinus Perforation During An Emergent Intubation Attempt, Penn State Hershey Medical Center, Carr Zyad, MD, Vaida Sonia, MD, Mentors

CR-27, Emily Penick, MD, Anesthetic Considerations For A Large, Long-Standing, Symptomatic Traumatic Diaphragmatic Hernia Repair, Thomas Jefferson University, Kennedy Tara L, MD, Mentor

CR-28, Michelle Dacosta, MD, Rescue TEE Diagnosis of Acute Pulmonary Embolism Prompting Pulmonary Embolectomy, Allegheny Health Network, Christopher Troianos, M.D., Ricardo Cardenas, M.D., Mentors

CR-29, Michelle DaCosta, MD, Bivalirudin Used in Patient with history of Heparin Induced Thrombocytopenia (HIT) with Previous Coronary Artery Bypass Graft (CABG), Allegheny Health Network, Saket Singh, MD, Mentor

CR-30, Victoria Saites MD, Acute Hypopreservation Following 50% Dextrose Injections: A Case Report, Hospital of the University of Pennsylvania, Krzysztof Laudanski MD, PhD, Mentor

CR-31, Derek S. Lauter, MD, A Tracheal Resection Complicated by the Unintended Suturing of an Endotracheal Tube to the Trachea Through the Murphy Eye, University of Pittsburgh Medical Center, Patrick J. Forte, MD, Mentor

CR-32, Albert Tsai, MD, Tricuspid and Pulmonic Valve Replacement in a Patient with Carcinoid Heart Disease: A Case Report of Early Post-Operative Improvement in Functional Status, Hospital of the University of Pennsylvania, Prakash Patel, MD, Aris Sophocles, MD, Mentors
CR-33, Matthew M. Corriveau, MD, Anesthetic Management of a Patient with Complete Placenta Previa and Placenta Accreta Who Refuses Administration of Blood Products, Geisinger Medical Center, Michael H. Entrup MD, Mentor

CR-34, Anish Sethi DO, An Incidental Finding of Cleft Palate—A Case Report, Temple University Hospital, D. Kim MD, Mentor

CR-35, James Lamberg, DO, Arrhythmia During Transversus Abdominis Plane Block With EXPAREL, Penn State Hershey Medical Center, Milena Pilipovic, MD, Mentor

CR-36, Michael S Thompson, DO, Penetrating Trauma Complicated By Massive Intraoperative Pulmonary Embolism After Tranexamic Acid Treatment, University of Pittsburgh Medical Center, Theresa A. Gelzinis, MD, Mentor

CR-37, Velvet Patterson MD, Dynamic Airway Collapse Masquerading as Esophageal Intubation? Drexel University College of Medicine, Mian Ahmad MD, Mentor

CR-38, Shravani Durbhakula, MD for Rano Faltas, MD, A Case Of Intraoperative Awareness In A Chronic Pain Patient Despite More Than Adequate Depth Of Anesthesia, Thomas Jefferson University, Eugene R. Viscusi MD, Mentor


CR-40, Manish Shah MD, Amniotic Fluid Embolism – A Surviving Case, Penn State Hershey Medical Center, Sonia Vaida MD, Anita Malhotra MD, Mentors

CR-41, Manish Shah MD, Delayed Onset of Horner’s Syndrome after a Stellate Ganglion Block in a patient with Complex Regional Pain Syndrome – Case Report, Penn State Hershey Medical Center, Julia Caldwell, MD, Mentor

CR-42, Rachel Hadler, MD, Extracorporeal Membranous Oxygenation (ECMO) as Support for Hemophagocytic Lymphohistiocytosis (HLH), Hospital of the University of Pennsylvania, Krzysztof Laudanski, MD, Mentor

CR-43, Caroline Protin, MD, The Use Of A Continuous Infusion Of Intravenous Heparin To Treat Intracardiac Thrombosis During Liver Transplantation, Penn State Hershey Medical Center, Dimitri Bezinover, MD, Mentor

CR-44, Vishal Patel MD, Fontan Physiology With Situs Inversus For Laparoscopic Cholecystectomy, Drexel University College of Medicine, Nagaraj Lingaraju MD, Mentor
ACKNOWLEDGEMENTS

We greatly appreciate all of the judges’ time and effort taken to review and evaluate abstracts prior to the conference, as well as judging all presentations during the conference. We also thank you for your participation in the selection of the award winning abstract presentations.

Oral Presentation Judges and Moderators

Original Research:

Richard Bartkowski, MD, PhD
Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

Richard Epstein, MD
Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

Robert Gaiser, MD
Professor of Anesthesiology & Critical Care
Perelman School of Medicine, University of Pennsylvania

Jeffrey I Joseph, DO
Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

Michael Mahla, MD
Professor of Anesthesiology (appointment pending)
Thomas Jefferson University

David Metro, MD
Professor of Anesthesiology
University of Pittsburg School of Medicine

Sonia Vaida, MD
Professor of Anesthesiology and Obstetrics and Gynecology,
Penn State College of Medicine

Case Reports:

Robert Gaiser, MD
Professor of Anesthesiology & Critical Care
Perelman School of Medicine, University of Pennsylvania

David Maguire, MD
Associate Professor of Anesthesiology
Thomas Jefferson University

Michael Mahla, MD
Professor of Anesthesiology (appointment pending)
Sidney Kimmel Medical College, Thomas Jefferson University

Case Reports:

Stephen McNulty, DO
Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

David Metro, MD
Professor of Anesthesiology
University of Pittsburg School of Medicine

Linda Sundt, MD
Clinical Assistant Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

Sonia Vaida, MD
Professor of Anesthesiology and Obstetrics and Gynecology,
Penn State College of Medicine

Poster Presentation Judges

Original Research:

Jaime Baratta, MD
Clinical Assistant Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

Zyad Carr, MD
Assistant Professor of Anesthesiology
Penn State Milton Hershey Medical Center

Dietrich Gravenstein, MD
Chairman of Anesthesiology
Geisinger Health System

Jeffrey I Joseph, DO
Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

Case Reports:

Mian Ahmad, MD
Assistant Professor of Anesthesiology
Drexel University School of Medicine

Jordan Goldhammer, MD
Assistant Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

James Heitz, MD
Associate Professor of Anesthesiology
Sidney Kimmel Medical College, Thomas Jefferson University

Jane Huffnagle, DO
Clinical Professor
Sidney Kimmel Medical College, Thomas Jefferson University
Tetsuro Sakai, PhD, MD  
Associate Professor of Anesthesiology  
University of Pittsburg School of Medicine  
Sankalp Sehgal, MD  
Drexel University School of Medicine

Suzanne Huffnagle, DO  
Clinical Professor  
Sidney Kimmel Medical College, Thomas Jefferson University  
Elaine Kilmartin, MD  
Assistant Professor of Anesthesiology  
Sidney Kimmel Medical College, Thomas Jefferson University  
David Maguire, MD  
Associate Professor of Anesthesiology  
Thomas Jefferson University  
Sankalp Sehgal, MD  
Drexel University School of Medicine

Abstract Judges for Preliminary Reviews

Mian Ahmad, MD, Drexel University College of Medicine  
Richard Epstein, MD, Sidney Kimmel Medical College, Thomas Jefferson University  
Robert Gaiser, MD, Perelman School of Medicine, University of Pennsylvania  
Dietrich Gravenstein, MD, Geisinger Health System  
James Heitz, MD, Sidney Kimmel Medical College, Thomas Jefferson University  
Jeffrey I Joseph, DO, Sidney Kimmel Medical College, Thomas Jefferson University  
Yoogoo Kang, MD, Sidney Kimmel Medical College, Thomas Jefferson University  
David Maguire, MD, Sidney Kimmel Medical College, Thomas Jefferson University  
Michael Mahla, MD, Sidney Kimmel Medical College, Thomas Jefferson University  
Stephen McNulty, DO, Sidney Kimmel Medical College, Thomas Jefferson University  
Tetsuro Sakai, PhD, MD, University of Pittsburg School of Medicine  
Sankalp Sehgal, MD, Drexel University School of Medicine  
Sonia Vaida, MD, Penn State College of Medicine  
Eugene Viscusi, MD, Sidney Kimmel Medical College, Thomas Jefferson University
ACKNOWLEDGEMENTS

This research and scholarly work in Anesthesiology would not have been possible without the guidance and support of the resident mentors. We thank you for your commitment to Research and Education and look forward to the next 10 years of PARRC.

Resident Mentors for PARRC 2015

**Allegheny Health Network**
Till Conermann, MD  
Ricardo Cardenas, MD  
Rafik Tadros, MD

**Drexel University College of Medicine**
Mian Ahmad, MD  
Michael S. Green DO  
Anita Gupta, DO, PharmD  
Mario Gonzalez DO

**Geisinger Medical Center**
Michael H. Entrup MD  
Dietrich Gravenstein, MD

**Hospital Of The University of Pennsylvania**
Nabil Elkassabany MD MSCE  
Lee A. Fleisher MD  
Jacob T Gutsche MD  
Krzysztof Laudanski MD PhD  
Jiabin Liu, MD

**Penn State Milton S. Hershey Medical Center**
Dimitri Bezinover, MD  
Arne O. Budde, MD  
Julia Caldwell, MD  
Zyad Carr, MD  
Kavita Gadgokh, MD  
Vitaly Gordin, MD

**Thomas Jefferson University and Hospitals**
Jaime L. Baratta MD  
Elia Elia, MD  
Suzanne Huffnagle, DO  
Yoogoo Kang, MD  
Tara L Kennedy, MD

**Temple University School Of Medicine**
Cherie Erkmen, MD  
D. Kim MD

**University of Pittsburgh School Of Medicine**
Patrick J. Forte, MD  
Theresa A. Gelzinis, MD  
John Hache, MD  
Mark Hudson, MD, MBA  
Murat Kaynar, MD

**Acknowledgement of Financial Support:**
We gratefully acknowledge the funding provided by the *Foundation for Anesthesia Education and Research* to support this academic activity.