2013 Research Annual Report

Critical Care Medicine

Division Details

Division Data Summary

RESEARCH AND TRAINING DETAILS
Number of Faculty 11
Number of Support Personnel 20
Direct Annual Grant Support $844,327
Direct Annual Industry Support $15,490
Peer Reviewed Publications 22

CLINICAL ACTIVITIES AND TRAINING
Number of Clinical Staff 10
Number of Clinical Fellows 14
Number of Other Students 1
Inpatient Encounters 8,521

Significant Accomplishments

LifeCenter’s Champions for Life Award

Sue Poynter Wong, MD, was awarded the LifeCenter’s Champions for Life award on November 13, 2012. She was nominated in particular for her collaboration and work with one of our donor families. Her kind and empathetic care for her patient and this family was recognized, as was her tireless effort to preserve all options for donation. With the compassionate care provided in our PICU and the support and commitment from Sue, four lives were saved through the gift of organ donation from this patient and her family.

Trustee Award & Procter Scholar (TAPS) Program

Brian Varisco, MD, was awarded the Procter Scholar Program Award on December 12, 2012. The goal of the Procter Scholar Program is to support highly skilled pediatricians with a strong commitment to pursuing a career in academic research. Funds will support MD or MD/PhD pediatric fellows who are transitioning to a faculty appointment, with the goal of transitioning to a National Institutes of Health K-level award or K-level equivalent awards from foundations. Varisco has shown a strong commitment to pursuing a career in academic research, a record of accomplishment in research, along with a well-defined scientific research plan.

Leadership Changes in Critical Care Medicine

Congratulations to Derek Wheeler, MD, on his appointment this year to Associate Chief of Staff and to Erika Stalets, MD, on her appointment to Medical Director of the Division of Critical Care Medicine.
Division Publications


Faculty, Staff, and Trainees

Faculty Members

Hector Wong, MD, Professor
Leadership Director
Research Interests Septic shock, Genomics, Biomarkers

Ranjit Chima, MD, Assistant Professor
Research Interests Bone Marrow Transplantation-Associated Critical Illness ECLS Glucose Homeostasis

Lesley Doughty, MD, Associate Professor
Leadership Fellowship Director
Research Interests Sepsis, viral infections & mechanical ventilation

Jennifer Kaplan, MD, MS, Associate Professor
Research Interests Sepsis, obesity and inflammation

Sue E. Poynter, MD, Assistant Professor
Leadership Medical Director Division of Respiratory Care; Associate Director Pediatric Residency Training Program
Research Interests Medical education, residency & fellowship training

Erika Stalets, MD, Instructor
Leadership Medical Director
Research Interests Quality improvement, patient safety and sepsis

Ken Tegtmeyer, MD, Professor
Leadership Chair Code Committee
Research Interests Multimedia Medical Education

Rajit Basu, MD, Assistant Professor
Research Interests Phenotype and recognition of kidney injury, end of life care

Derek S. Wheeler, MD, Associate Professor
Leadership Associate Chief of Staff
Research Interests Patient safety, healthcare administration
Basilia Zingarelli, MD, Ph.D., Associate Professor

Research Interests: Sepsis, hemorrhage and ischemia and reperfusion injury

Brian Varisco, MD, Instructor

Research Interests: Mechanisms of lung development, repair and regeneration

Joint Appointment Faculty Members

Bradley Marino, MD, Associate Professor (Cardiology)

Research Interests: Long-term outcomes in children and adolescents with CHD, Resuscitation of children with CHD

Trainees

Kamal Abulebda, MD, PL-6, University of Aleppo, Syrian Republic
Aaron Gardner, MD, PL-7, St. George's University
William Hanna, MD, PL-7, University of Kentucky College of Medicine
Shilpa Shah, MD, PL-7, The University of Texas Medical Branch
Danielle Webster, MD, PL-6, University of Missouri - Kansas City
Matthew Alder, MD, PL-5, University of Alabama School of Medicine
Theodore DeMartini, MD, PL-5, University of Texas Medical Branch
Hammad Ganatra, MD, PL-4, Aga Khan Medical College
Katja Gist, MD, PL-8, University of New England College of Osteopathic Medicine
Yu Inata, MD, PL-4, Osaka City University
Laura Kitzmiller, MD, PL-4, Wayne State University School of Medicine
Travis Langner, MD, PL-5, University of Kansas School of Medicine
Mary Sandquist, MD, PL-4, Ohio State University College of Medicine
Claire Stewart, MD, PL-4, Ohio State University College of Medicine

Grants, Contracts, and Industry Agreements

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<tr>
<th>Grant and Contract Awards</th>
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<tr>
<td>KAPLAN, J</td>
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<td>PPAR gamma in Pediatric Sepsis and the Inflammatory Response in Obesity</td>
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<td>K08 GM 093135</td>
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<td>WHEELER, D</td>
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<td>Therapeutic Hypothermia after Pediatric Cardiac Arrest</td>
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<td>National Institutes of Health(University of Michigan)</td>
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<td>U01 HL 094345</td>
<td>09/01/09-02/28/14</td>
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<td>MMP-8 as a Novel Therapeutic Target in Sepsis</td>
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<td>National Institutes of Health</td>
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R01 GM 096994 04/01/11-03/31/15 $183,350
Stratification of Pediatric Septic Shock
National Institutes of Health

R01 GM 099773 08/07/12-06/30/16 $243,861
ZINGARELLI, B
PPARgamma and PPARgamma Agonists in Septic Shock
National Institutes of Health
R01 GM 067202 09/14/12-06/30/16 $254,894
Role of Eicosanoids in Shock
National Institutes of Health(Medical University of South Carolina)
R01 GM 027673 07/01/12-03/31/16 $22,128
POYNTER, S
Multi-Center Trial of Limiting PGY 2&3 Resident Work Hours in the PICU
National Heart Lung & Blood Institute (Brigham & Women's Hospital)
U01 HL 111478 9/15/12-5/31/17 $18,842

Current Year Direct $844,327

Industry Contracts

BARR, R
Asklepion Pharmaceuticals, LLC $11,640

CHIMA, R
Children's Hospital Boston $3,850

Current Year Direct Receipts $15,490

Total $859,817