GUEST FACULTY

Shana Baines, CRT
Respiratory Care
Johnson City Medical Center, Johnson City, Tennessee

Cathleen Cook, MD
Assistant Professor of Pediatrics
Division of Pediatric Hematology/Oncology
St. Jude Tri-Cities Affiliate
Niswonger Children’s Hospital
Johnson City, Tennessee

Mitchell Deshazer, MD
Critical Care Physician
Mountain States Health Alliance
Johnson City, Tennessee

Patrick J. Dunne, MED, RRT, FAARC
HealthCare Productions, Inc.
Fullerton, California

Bobby Dyke, RRT
Respiratory Care
Johnson City Medical Center, Johnson City, Tennessee

Jeff Farrow, MD, FCCP
Medical Director, Critical Care Services, JCMC
Pulmonary Associates of East Tennessee, PC
Johnson City, Tennessee

Kim Jessee, MSN, RN, NE-BC
Director of Patient Care Services
Johnson City Medical Center, Johnson City, Tennessee

Brian Kirkland, BS, RRT-NPS
Clinical Product Specialist
Vapotherm
Exeter, New Hampshire

Jaree Kropp, RN, BSN, CPTC
Clinical Services Manager
Tennessee Donor Services

Margaret Lassiter, PharmD, BCPS
Cardiovascular Clinical Pharmacy Specialist
Johnson City Medical Center, Johnson City, Tennessee

Bryan Lorch, PA-C
Johnson City Medical Center, Johnson City, Tennessee

Melinda Lucas, MS, MD, FAAP
Director of Pediatric ICU, Niswonger Children’s Hospital
Professor of Pediatrics
Quillen College of Medicine, ETSU, Johnson City, Tennessee

Demetrio Macariola, MD, FAAP
Associate Professor in Pediatrics
Director Division of Pediatric Infectious Disease
Quillen College of Medicine, ETSU, Johnson City, Tennessee
Chairman, Pediatrics, Niswonger Children’s Hospital,
Johnson City Medical Center, Johnson City, Tennessee

Claire Marr, RN, BSN, CPN, AE-C
Pediatric Clinical Coordinator
Niswonger Children’s Hospital, Johnson City, Tennessee

Robin Mottern, PharmD
Clinical Pharmacist
Niswonger Children’s Hospital, Johnson City, Tennessee

Charles W. Raudat, DO
CVT Surgery, Johnson City, Tennessee

Evan Richards, BSc
Director of Clinical Education and Clinical Services
Bunnell, Inc.
Salt Lake City, Utah

Darshan Shah, MD
Associate Professor of Pediatrics
Int. Department of Pediatric Vice Chairman
Quillen College of Medicine, ETSU
Johnson City, Tennessee

Anne Snyder, RRT
Critical Care Clinical Pharmacy Specialist
Respiratory Care
Hill-Rom
St. Paul, Minnesota

Jennifer Tharp, PharmD, BCPS
Critical Care Clinical Pharmacy Specialist
Johnson City Medical Center, Johnson City, Tennessee

WE EXTEND OUR APPRECIATION TO THE FOLLOWING COMPANIES FOR THEIR SUPPORT OF THIS SYMPOSIUM:

Alere
Bunnell, Inc.
CareFusion
Center for Sleep Disorders at JCMC
Covidien
Hill-Rom
Hospira Worldwide, Inc.
Instrumentation Laboratory
King University

Masimo
Mediserve Medical Equipment
Monaghan Medical
MSHA Trauma Services
Sage Products, LLC
Salter Labs
Tennessee Donor Services
Tri-Anim
# 21st Annual Pulmonary Critical Care Health Symposium Schedule

**THURSDAY, NOVEMBER 6, 2014**  
Location: The Millennium Centre

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:15 – 8:00</td>
<td>Registration</td>
</tr>
<tr>
<td>8:00 – 8:15</td>
<td>Introduction/Welcome</td>
</tr>
</tbody>
</table>
| 8:15 – 9:00 | Killers on the Horizon: MERS and Ebola                              
                     Demetrio Macariola, MD                                         |
| 9:00 – 9:45 | Respiratory Care 2014: Dawning of a New Era                         
                     Patrick J. Dunne, MEd, RRT, FAARC                            |
| 9:45 – 10:15 | Break                                                               |
| 10:15 – 11:00 | Improving COPD Outcomes Using Evidence-Based Care                   
                     Patrick J. Dunne, MEd, RRT, FAARC                            |
| 11:00 – 11:45 | High Flow Therapy: Mechanisms of Action                             
                     Brian Kirkland, BS, RRT-NPS, Vapotherm                       |
| 11:45 – 1:00 | Lunch                                                               |

**BREAKOUT SESSIONS**

**Track I**  
**ADULT TRACK**

<table>
<thead>
<tr>
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| 1:00 – 1:45 | Ex-Vivo - The Future of Lung Transplants                              
                     Jaree Kropp, RN, BSN, CPTC                                        |
| 1:45 – 2:30 | Critical Care Dashboards to Manage the ICU                           
                     Kim Jessee, MSN, RN, NE-BC                                       |
| 2:30 – 2:45 | Break                                                                |
| 2:45 – 3:30 | Anticoagulation                                                      
                     Margaret Lassiter, PharmD, BCPS                                |

**Track II**  
**NEONATAL / PEDIATRIC TRACK**

<table>
<thead>
<tr>
<th>Time</th>
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</thead>
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| 1:00 – 1:45 | Caffeine in Preterm                                                  
                     Darshan Shah, MD                                                  |
| 1:45 – 2:30 | Pediatric Sedation and Analgesia with Potential Associated Withdrawal and Delirium   
                     Robin Mottern, PharmD                                             |
| 2:30 – 2:45 | Break                                                               |
| 2:45 – 3:30 | PICU Teaching Rounds                                                
                     Shana Baines, CRT, Bobby Dyke, RRT, and Melinda Lucas, MD         |

**FRIDAY, NOVEMBER 7, 2014**  
Location: The Millennium Centre

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</tbody>
</table>
| 8:15 – 9:00 | Pulmonary Pearls                                                    
                     Jeff Farrow, MD                                                  |
| 9:00 – 9:45 | Airway Clearance                                                    
                     Anne Snyder, RRT, Hill-Rom                                       |
| 9:45 – 10:15 | Break                                                               |
| 10:15 – 11:00 | Thoracic Pulmonary Cases                                            
                     Charles Raudat, DO                                               |
| 11:00 – 11:45 | A Tale of Two Time Constants: It Was the Worst                      
                     of Times, It Was the Best of Times                               
                     Evan Richards, BSc, Bunnell Inc.                                |
| 11:45 – 1:00 | Lunch                                                               |

**BREAKOUT SESSIONS**

**Track I**  
**ADULT TRACK**

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| 1:00 – 1:45 | Inhaled Epoprostenol versus Nitric Oxide in Refractory Cases        
                     Jennifer Tharp, PharmD, BCPS                                    |
| 1:45 – 2:30 | COPD: Surgical Treatments                                           
                     Mitchell Deshazer, MD                                            |
| 2:30 – 2:45 | Break                                                               |
| 2:45 – 3:30 | Difficult IV Access                                                 
                     Bryan Lorch, PA-C                                                |

**Track II**  
**NEONATAL / PEDIATRIC TRACK**

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| 1:00 – 1:45 | Fantastic Voyage: Why and How We Explore the Lungs During Mechanical Ventilation   
                     Evan Richards, BSc, Bunnell Inc.                                 |
| 1:45 – 2:30 | Pediatric Lung Masses                                                
                     Cathleen Cook, MD                                                 |
| 2:30 – 2:45 | Break                                                               |
| 2:45 – 3:30 | Children’s Asthma Care: Innovation and Progress                     
                     Claire Marr, RN, BSN, CPN, AE-C                                  |
REGISTRATION INFORMATION
For more information call the Respiratory Care Department at (423) 431-6705. Registration deadline is November 1, 2014. Registration will be accepted at the door at the prices listed below. Pre-registration is recommended. Refunds available if cancellation is received 10 days prior to the program date; thereafter no refunds, but substitutions are welcome.

Registration available online at www.msha.com/pulmonarysymposium after October 1st.

TARGET AUDIENCE
Physicians, respiratory therapists, nurses and other health care providers who desire to increase and update their clinical knowledge and expand their professional practice are encouraged to attend.

EDUCATION CREDIT
Contact hours will be awarded by Mountain States Health Alliance – Organizational Development, an approved provider of continuing nursing education by the Tennessee Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Attendance the entire day(s), signature on the roster(s), and the completion of an evaluation form are required to receive a nursing contact hour certificate.

Application has been made to the American Association for Respiratory Care (AARC) for continuing education contact hours for respiratory therapists.

AREA ACTIVITIES
Area attractions: beautiful parks, mountains and historic sites, antique shopping, Barter Theater and Paramount Theater, crafts, whitewater rafting and much more... Contact the Northeast Tennessee Tourism Association for more information. (423) 913-5550 or www.netta.com.

SYMPOSIUM DESCRIPTION
This Transdisciplinary Pulmonary Critical Care Health Symposium is designed to enhance the education of physicians, respiratory therapists, nurses and other allied health care professionals in the most recent scientific advancements involving management of pulmonary patients and futuristic trends. Interact with exhibitors who display the latest products and technology, participate in special events such as the Silent Auction, door prizes, and social events.

PROGRAM SITE
The Millennium Centre, 2001 Millennium Place, Johnson City, Tennessee is the site for this year's conference.

LODGING
A block of rooms has been reserved at a special conference rate of $93 at the Carnegie Hotel which is adjacent to the Millennium Centre. Call 423-979-6400 to register before October 24 to receive the discounted rate and mention the Pulmonary Symposium.

PROGRAM DIRECTOR
Jeff Farrow, MD, FCCP
Medical Director, Critical Care Services, JCMC
Pulmonary Associates of East Tennessee, PC

PROGRAM COORDINATOR
Thomas Hale, RRT
Respiratory Supervisor
Johnson City Medical Center

21ST ANNUAL PULMONARY CRITICAL CARE HEALTH SYMPOSIUM REGISTRATION FORM
(Please type or print legibly)

First Name ___________________________ MI __________ Last Name ___________________________

Title/Position [ ] RN [ ] LPN [ ] CRT [ ] RRT [ ] RPSGT [ ] Other ____________________________ E-mail ____________________________

Employer ____________________________ Business Phone ____________________________

Home Address ____________________________________________________________________________

City ____________________________ State _______  Zip ____________________________ Home Phone ____________________________

Registration fee includes lunch.

Check one: MSHA Team Members Other Registration after Nov. 1

If attending: (1 day) (Both days) (1 day) (Both days) (1 day) (Both days)

Nurse/Respiratory/Student $75 $120 Nurse/Resp $90 $140 Nurse/Resp $105 $170

Attending: _____ DAY 1 - Thursday, Nov. 6, 2014 _____ DAY 2 - Friday, Nov. 7, 2014

(Choose only one) (Choose only one)

_____ Track I _____ Track I

_____ Track II _____ Track II

MAIL THIS FORM and CHECK to:
Respiratory Care
Attn: Diana Qualls
Johnson City Medical Center
400 N. State of Franklin Rd.
Johnson City, TN 37604-6094

REGISTER EARLY. SEATING IS LIMITED!
Registration deadline is November 1, 2014
The Center for Pulmonary Medicine at Johnson City Medical Center presents

The 21st Annual Pulmonary Critical Care Health Symposium

A two-day symposium for Respiratory Therapists, Nurses, and other Allied Health Professionals

November 6 & 7, 2014
The Millennium Centre
Johnson City, Tennessee