

AARC Congress 2018

The 64th International Respiratory
Convention & Exhibition



Advance Program

Mandalay Bay Convention Center • Las Vegas, NV
December 4 – 7, 2018 (Tue–Fri) • AARC.org

Welcome To

Patients Take Center Stage

These are uncertain times for health care. What we thought was set in stone a year ago is now in flux. Keeping up with the ever-changing developments is a challenge, but we have to keep our eye on the ball. Patient care must always come first.

You'll find patients at the center of everything that happens in Las Vegas. They'll be right there in every lecture room as leading experts in respiratory care cover the latest in treatment and technology. They'll be at the forefront of every display in the Exhibit Hall.

They'll be top of mind as respiratory therapists gather in informal networking sessions to share their processes and programs.

Come to AARC Congress 2018 to learn what works for your patients, what doesn't, and how you can contribute to the understanding of respiratory care and all that means for the people who depend on you and your organizations for the breath of life.

Unless specified differently, all Congress events will be held at the
Mandalay Bay Convention Center

The 64th International Respiratory Convention & Exhibition

AARC Congress 2018

On behalf of AARC President Brian K Walsh and the Board of Directors, we invite you to attend the largest respiratory care meeting in the world. At AARC Congress 2018 in Las Vegas, the AARC Specialty Sections and the Program Committee have developed a curriculum that will offer more of everything that matters to you and your patients. You may attend other educational meetings, but none of them offer you all of the following...

- The latest information on Value Based Purchasing and its impact on hospitals, patients and the respiratory therapist.
- The AARC Exhibit Hall where you can learn, see and touch the latest advancements in technology showcasing all manufacturers in the industry...more than 200 exhibitors in total and 8 hours of unopposed exhibit time.
- The result of original research presented by your peers in 14 OPEN FORUMS over the 3½ days.
- All the continuing education credit (CRCE) you need to maintain your state license.
- Programs in all areas of respiratory care: adult critical care, neonatal and pediatric care, home care, continuing care, rehabilitation, diagnostics, transport, management, education, sleep, and long-term care, all presenting the most current and cutting-edge information.

Read through this program and very rapidly you will realize why you must come to Las Vegas and be part of the largest and most comprehensive respiratory care meeting anywhere in the world...AARC Congress 2018.

See you there!

300+ original research projects

140+ speakers

200+ sessions on current respiratory care topics

3½ days of networking and education

3 days of exhibits with all companies in the industry

20+ CRCE credits

Register now and connect to the professional event where everything is about quality respiratory care.

PROGRAM COMMITTEE

Thomas Lamphere BS RRT-ACCS RPFT FAARC — *Chair*
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Brady Scott MS RRT FAARC
Sarah L Varekojis PhD RRT FAARC
Kimberly Wiles RRT CPFT
Richard Branson MSc RRT FAARC — *Consultant*
Douglas Laher MBA RRT FAARC — *Staff Liaison*

Challenges In Mechanical Ventilation: An Interactive Approach

Monday, December 3, 2018 • Las Vegas, NV

8:00 AM – 4:45 PM (lunch on your own)

Registration Fee: Members – \$120; Non-members – \$155; Senior Member – \$30

DESCRIPTION: This course will provide practical information for clinicians at every level of training and experience and review basic and advanced theories and application of mechanical ventilation. Course faculty will demonstrate common patient-ventilator synchrony problems and their solutions using a real ventilator and a breathing simulator. Attendees will be engaged in learning through audience participation, problem solving, and team-based learning.

Course capacity is limited. Deadline for registration is Tuesday, November 13, 2018 or when the course is full. This course can be applied toward continuing education credits (CRCE). You must attend the entire course to receive CRCE credit; no partial credit will be awarded.

**Robert Chatburn MHHS RRT-NPS
FAARC, Cleveland OH**

**Eduardo Mireles-Cabodevila MD,
Cleveland OH**

Understanding Basic and Advanced Modes of Mechanical Ventilation

8:00 AM – 9:30 AM

This presentation lays the theoretical foundation for understanding how ventilators work and how to identify modes of ventilation. It will cover the 10 Maxims of Mechanical Ventilation and the Taxonomy of Modes.

Selecting and Managing the Best Mode of Ventilation for the Patient

9:45 AM – 11:30 AM

This session will explain how to assess the patient in determining the goals of mechanical ventilation. Course faculty will introduce a rational framework for selecting the best mode of ventilation in order to serve these goals.

How to Recognize Synchrony Problems in Volume Control Modes

1:00 PM – 2:45 PM

We will demonstrate live-action patient-ventilator interaction during volume ventilation using a real ventilator and a breathing simulator. Ventilator graphics will be projected and the audience will participate in both diagnosing synchrony problems and finding solutions by adjusting ventilator settings.

How to Recognize Synchrony Problems in Pressure Control Mode

3:00 PM – 4:45 PM

We will demonstrate live-action patient-ventilator interaction during pressure ventilation using a real ventilator and a breathing simulator. Ventilator graphics will be projected and the audience will participate in both diagnosing synchrony problems and finding solutions by adjusting ventilator settings.



Robert Chatburn



Eduardo Mireles-Cabodevila

Women in Leadership

Monday, December 3, 2018 • Las Vegas, NV

1:00 PM – 5:00 PM

Registration Fee: Members – \$75; Non-members – \$100; Senior Member – \$20

DESCRIPTION: Many women naturally possess effective leadership skills and competencies, including demonstrating communication and social skills, utilizing creativity and innovation, problem solving, demonstrating good judgment, and team leadership. It is important to recognize and represent these leadership qualities and competencies appropriately. This pre-course is designed for both women and men and for both emerging and current leaders. The sessions will encourage the participant to examine strengths, leverage mentorship opportunities, and establish a leadership presence as part of developing or helping others to develop a career path.

Course capacity is limited. Deadline for registration is Tuesday, November 13, 2018 or when the course is full. This course is approved for 3.56 hours of continuing education credits (CRCE). You must attend the entire course to receive CRCE credit; no partial credit will be awarded.

Welcome and Intro

1:00 PM – 1:15 PM

The Value of Self-Assessment

1:15 PM – 2:10 PM

Cheryl Hoerr MBA RRT, Rolla MO

It is important for leaders, and emerging leaders, to assess and understand the value their strengths and abilities have on the growth and success of their department, division, and organization. This session focuses on understanding how your personality type can impact your supervisory performance and how to leverage your unique leadership strengths to become a more effective leader.

Mentoring 101: Finding the Right Fit

2:20 PM – 3:15 PM

**Ellen Becker PhD RRT RRT-NPS
FAARC, Chicago IL**

Mentoring relationships have powerful and positive personal, academic, and professional effects. Mentoring

facilitates personal growth and development as well as social and economic opportunity. This session focuses on methods for identifying mentors and leveraging lessons learned, as well as describes how to become an effective mentor.

Developing a Leadership Presence

3:25 PM – 4:20 PM

**Teresa Volsko MBA MHHS RRT
FAARC, Akron OH**

Effective leaders develop awareness of how their words, personal appearance, and actions impact others. This session presents the elements essential to achieving and maintaining a leadership presence. Participants will be introduced to, and have the opportunity to practice, behaviors and techniques which will enable them to command a presence that will empower others to excel.

Panel Discussion

4:25 PM – 5:00 PM



Cheryl Hoerr



Ellen Becker



Teresa Volsko

Industry-Sponsored Pre-Course

Ultrasound-Guided And Emergent Vascular Access Simulation Workshop

Monday, December 3, 2018 • Las Vegas, NV

8:00 AM – 12:00 PM

Registration Fee: Members – \$75; Non-members – \$100;

Senior Member – \$20

DESCRIPTION: This 4-hour workshop will include both didactic and hands-on simulation training for beginner and advanced respiratory therapists. The ideal attendee is on a vascular access team, rapid response team, or seeking the knowledge and skill to develop a team. The simulation training will include ultrasound assessment, needling techniques with the use of ultrasound, and arterial, venous, and intraosseous device insertion. Attendees will rotate through hands-on stations to gain awareness and procedural confidence.

Course capacity is limited. Deadline for registration is Tuesday, November 13, 2018 or when the course is full. This course can be applied toward continuing education credits (CRCE). You must attend the entire course to receive CRCE credit; no partial credit will be awarded.

DISCLAIMER: This industry-sponsored pre-course is brought to you by Teleflex. The sponsoring company is responsible for all topics, faculty and content disseminated during the event. Any information presented, including clinical statements or opinions made by course faculty should not be perceived as being supported by the AARC. Course registration is being rendered by the AARC on the behalf of Teleflex as a sponsorship benefit.

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Photo Courtesy of Las Vegas Visitor Center

Tuesday



Opening Session

8:00 AM – 10:30 AM

Awards Ceremony

8:00 AM – 9:30 AM

Thomas J Kallstrom MBA RRT FAARC
AARC Executive Director/CEO/Presiding

This ceremony recognizes the "doers" in the profession, from students to long-established practitioners. Be there and applaud your peers. Today it's them; tomorrow it could be you!

Keynote Address:

9:35 AM – 10:25 AM



Healthcare Remixed
Zubin Damania MD
aka ZDoggMD

Content Category: MGT

Through an engaging mix of song, humor, and creative storytelling, Dr. Damania examines the challenges of delivering compassionate care in our dysfunctional healthcare system while proposing collaborative ways to revitalize it. He explores how we might work individually and collectively to ensure that the future of medicine is a bright one.

Sputum Bowl Preliminaries

Sponsored by

Medtronic

Further, Together

8:00 AM – 6:00 PM

Renee Wunderley BS RRT RRT-NPS /
Presiding

Student teams from the AARC State Societies compete in the preliminary competitions. The top four teams will face off in the Finals on Thursday, December 6.

AARC Congress 2018

Tuesday, December 4

Opening of the Exhibit Hall

10:30 AM

Brian Walsh PhD RRT RRT-NPS FAARC
AARC President | *Presiding*

Karen Schell DHSc RRT RRT-NPS RPFT
AARC President-elect | *Presiding*

The 2018 AARC President and President-elect open the Exhibit Hall. As the gold standard of all respiratory care meetings, AARC Congress 2018 presents to you all the manufacturers and suppliers in the industry. The Exhibit Hall offers attendees an opportunity to see, touch, and manipulate the latest technology in the field and have clinical conversations with manufacturer representatives. Don't miss this great opportunity!

Orientation for First-Time Attendees

11:00 AM – 12:00 PM

Karen Schell DHSc RRT RRT-NPS RPFT,
Frankfort KS

Thomas Lamphere RRT RPFT FAARC,
Sellersville PA

Are you a first-time attendee with unanswered questions about who to see, where to go, and what to expect from your first AARC Congress? If so, then attendance at this presentation is a **MUST** for you! This presentation provides first-time attendees with an overview of the entire AARC Congress and includes suggestions on how to maximize your time, not only at the educational sessions but also at the exhibits and peripheral activities as well.

Presenting an OPEN FORUM® Abstract

12:05 PM – 12:35 PM

Teresa Volsko MBA RRT FAARC,
Canfield OH

Rich Branson MS RRT FAARC,
Beaufort SC

This presentation will introduce the neophyte research presenter to the customs, roles, and experience of presenting at an OPEN FORUM session. The stages of an OPEN FORUM presentation including poster set-up, interacting with participants and moderators, presenting at the podium, and participating in moderated audience discussions will be addressed. Expectations for Editor's Choice and Poster Only presentations will be reviewed.

OPEN FORUM® — Poster Discussions #1

Supported by an unrestricted educational grant from



12:45 PM – 2:40 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.



Karen Schell



Thomas Lamphere



Teresa Volsko



Rich Branson

Exhibit Hall Hours:

Tuesday, Dec. 4, 10:30 am – 4:00 pm

Wednesday, Dec. 5, 9:30 am – 3:00 pm

Thursday, Dec. 6, 9:30 am – 2:00 pm



OPEN FORUM® — Poster Discussions #2

Supported by an unrestricted educational grant from



12:45 PM – 2:40 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

(Symposium) Patient Assessment

1:30 PM – 4:05 PM

► Auscultation of the Chest

1:30 PM – 2:05 PM

**Brian Cayko MBA RRT DCE,
Great Falls MT**

Content Category: AAC

Chest auscultation is an essential part of the physical examination. This lecture will describe breath sounds that might be heard during auscultation with an emphasis on the responsible pathology. Common disagreements in describing breath sounds will also be discussed.

► Systematic Interpretation of Adult Plain Films

2:10 PM – 2:45 PM

Jeff Anderson MA RRT, Boise ID

Content Category: AAC

This presentation will provide a systematic approach to interpretation of adult ICU plain films and will include several examples of common and uncommon abnormalities.

► Systematic Interpretation of Adult CT scans

2:50 PM – 3:25 PM

Jeff Anderson MA RRT, Boise ID

Content Category: AAC

This presentation will provide a systematic approach to interpretation of adult ICU CT scans and provide examples of common abnormalities along with paired plain films.

► ABG Interpretation: The Metabolic Side of Things

3:30 PM – 4:05 PM

Sara Mirza MD MS, Chicago IL

Content Category: AAC

This lecture on arterial blood gas interpretation will focus on metabolic acid-base disturbances. The presenter will describe important concepts related to these disturbances including primary causes, compensation, anion gap, and serum electrolytes.



Brian Cayko



Jeff Anderson

Content Categories

- AAC — Adult Acute Care
- CLP — Clinical Practice
- EDU — Education
- ETH — Ethics
- MGT — Management
- NPS — Neonatal/Pediatrics
- PFT — Pulmonary Function
- PTS — Patient Safety
- SDS — Sleep Medicine

(Symposium)

What It Will Take for Respiratory Care to Survive as a Profession

1:30 PM – 4:05 PM

► Challenges Facing Respiratory Care as a Profession: Making the Transition from World 1 to World 2

1:30 PM – 2:05 PM

Garry Kauffman MPA RRT FAARC, Walnut Cove NC

Content Category: MGT

This presentation will review the status of the U.S. health care system with respect to payment methodologies, service delivery imperatives, and deliverables in terms of quality, patient safety and satisfaction, and financial performance, and illustrate the need to create a compelling value proposition for respiratory care services by making the transition from “counting procedures” to adding value.

► A New Paradigm for Benchmarking Respiratory Care Services

2:10 PM – 2:45 PM

Madhu Sasidhar MD, Cleveland OH

Content Category: MGT

This talk will describe the development, validation, and implementation of a new model for monitoring productivity.

► How Do We Establish the Value-Efficiency of Respiratory Care

2:50 PM – 3:25 PM

Rob Chatburn MHHS RRT FAARC, Cleveland OH

This presentation will review the failings of legacy productivity and benchmarking

systems in respiratory care. It will then describe a new system to quantify the value of specific respiratory therapy activities and labor categories for more effective strategic planning.

► Will Respiratory Care Survive? Yes If . . .

3:30 PM – 4:05 PM

Jamie Stoller MD MS FAARC, Cleveland OH

Content Category: MGT

This talk will outline the trends in health care that will be critical in determining the survival of respiratory care as a distinct profession.

Pulmonary Rehabilitation: Program Management

1:30 PM – 2:05 PM

Trina Limberg BS RRT FAARC, San Diego CA

Content Category: MGT

Attend this session to review and address challenges facing programs with increased referrals, patient diversity, and clinic volume. Learn how to leverage for more resources and expand services.

Can You See It Now? Congenital Heart Defects + 3D Printing

1:30 PM – 2:05 PM

Samantha Davis MS RRT AE-C, Boise ID

Content Category: EDU

3D printing technology has made its way into libraries, college campuses, and medical centers worldwide. Familiarize yourself with this emerging technology and leverage it to engage your learners.



Gary Kauffman



Rob Chatburn



Jamie Stoller



Trina Limberg



Samantha Davis

Managing Pulmonary Complications of Neuromuscular Disease

1:30 PM – 2:05 PM

Sara Mirza MD MS, Chicago IL

Content Category: CLP

Advances in the management of neuromuscular diseases have led to improved life expectancy for patients with these conditions. We are now encountering patients with chronic, neuromuscular respiratory weakness in both home and inpatient settings. This lecture will provide an update to respiratory therapists on ways to identify when these weaknesses warrant intervention and how to implement them in their practice.

PRO/CON: Walking Intubated Children Is Safe and Improves Outcomes

1:30 PM – 2:45 PM

PRO: Alex Rotta MD FCCM, Cleveland OH

CON: Martin Kneyber MD PhD FCCM, Groningen Netherlands

Content Category: NPS

Invasively mechanically ventilated pediatric patients are routinely managed with pharmacologic sedation and confined to bed. Two international experts will debate the benefits and risks of such an approach. Should intubated children be confined to bed or allowed to ambulate in the ICU — and potentially beyond? Time will be allocated for discussion with the audience.

(Symposium) Managing Ventilator Alarms: Establishing the Foundation

1:30 PM – 3:25 PM

► Alarm Fatigue: Implications for Patient Safety

1:30 PM – 2:05 PM

Marc Schlessinger MBA RRT FACHE, Plymouth Meeting PA

Content Category: PTS

A major focus of Joint Commission surveys for the next several years will be clinical alarm management. One key component of clinical alarm management is alarm fatigue. Much work has been done on physiologic monitoring and the attention will now move toward ventilator alarms. This presentation will help therapists take an objective look at alarm fatigue as it pertains to mechanical ventilation as well as BiPAP, ETCO₂, and pulse oximeters.

► Utilizing Middleware to Improve Patient Safety

2:10 PM – 2:45 PM

Connie Dills MBA RRT RPFT, West Hartford CT

Content Category: PTS

In this session attendees will be shown, through statistical data, how the utilization of middleware in managing ventilator alarms can reduce alarm fatigue and greatly enhance patient safety.

► Using Ventilator Benchmark Data To Improve Patient Safety

2:50 PM – 3:25 PM

Rich Zink MBA, West Lafayette IN

Content Category: PTS

In this session the Regenstrief National Center for Medical Device Informatics' (REMEDI) database will be introduced and used to demonstrate the value of shared data and knowledge in patient safety and quality improvement efforts. The presenter will discuss how hospitals have used shared data for benchmarking default ventilator settings and reducing non-actionable ventilator alerts.



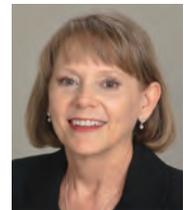
Alex Rotta



Martin Kneyber



Marc Schlessinger



Connie Dills



Rich Zink

(Symposium)
Global Lung Function Initiative (GLI) Symposium
1:30 PM – 4:05 PM

► **Why Do We Need Reference Equations?**

1:30 PM – 2:05 PM

Sanja Stanojevic PhD,
Toronto Ontario

Content Category: PFT

The objectives of the GLI are to establish improved international reference equations for lung function tests using data collected under standardized conditions. This lecture will discuss common challenges in interpreting lung function tests, and the advantages of using GLI reference equations to characterize lung function in our patients.

► **Interpretation of Spirometry Results**

2:10 PM – 2:45 PM

Sanja Stanojevic PhD

Content Category: PFT

In 2012 the GLI published the reference equations for spirometry. The data included over 74,000 subjects and defined reference equations for ages 3-95 and four unique ethnic groups. The lecture will review the specifics about how the reference equations were derived and the implications for their practical use.

► **Lung Volumes**

2:50 PM – 3:25 PM

Gregg Ruppel MEd RRT RPFT,
Oro Valley AZ

Content Category: PFT

The GLI Network is in the process of collecting data on lung volumes. This lecture will give a progress report on the work of the lung volume group to date.

► **Implementation of DLCO Equations**

3:30 PM – 4:05 PM

Sanja Stanojevic PhD

Content Category: PFT

In 2017 the GLI published the reference equations for transfer factor of the lung (diffusing capacity). The data was derived from over 9700 subjects ages 5 to 85 years. The lecture will review the specifics about how the reference equations were derived and the implications for their practical use.

Review of the Literature and Latest Developments in Pulmonary Rehab

2:10 PM – 2:45 PM

Brian Carlin MD FAARC, Sewickley PA

Content Category: CLP

This talk will discuss the latest developments in the field of pulmonary rehabilitation over the last year.

Digital Merit Badges: Recognizing Student Achievement

2:10 PM – 2:45 PM

Tammy Kurszewski DHSc RRT
RRT-ACCS, Wichita Falls TX

Content Category: EDU

Respiratory programs have long relied on the concept of competencies to assure knowledge and skill of graduates. The emergence of digital merit badges moves one step further in engaging the millennial learner while also validating soft skills not previously recognized such as critical thinking, teamwork, and leadership under the traditional format. This presentation will introduce the digital merit badge and its potential role in respiratory therapy education.



Sanja Stanojevic



Gregg Ruppel



Brian Carlin



Tammy Kurszewski

Year in Review Symposium

2:10 pm – 5:25 pm

► Adult Invasive Mechanical Ventilation

2:10 PM – 2:45 PM

**Karsten Roberts MS RRT FAARC,
Philadelphia PA**

Content Category: AAC

The lecturer will describe the most important publications in adult invasive mechanical ventilation in the last calendar year.

► Pediatric Mechanical Ventilation

2:50 PM – 3:25 PM

**Craig Smallwood PhD RRT,
Jamaica Plain MA**

Content Category: NPS

The most important publications in pediatric mechanical ventilation in the last year will be described.

► Noninvasive Respiratory Support

3:30 PM – 4:05 PM

**John Davies MSc RRT FAARC,
Cary NC**

Content Category: AAC

NIV changed mechanical ventilation in the last two decades. The use of high flow nasal oxygen has expanded the use of noninvasive support for respiratory failure. This talk will review the use of NIV and noninvasive respiratory support over the last year.

► Patient Transport

4:10 PM – 4:45 PM

**Dario Rodriguez MSc RRT,
Cincinnati OH**

Content Category: AAC

The papers published in the last year related to transport of the patient with respiratory disease and mechanical ventilation will be described.

► Sleep Medicine

4:50 PM – 5:25 PM

**Brian Carlin MD FAARC,
Sewickley PA**

Content Category: SDS

This talk will discuss the latest updates in the field of sleep disorders medicine over the last year. This will include developments in sleep disordered breathing, insomnia, and restless leg syndrome.

Continuing Respiratory Care Education (CRCE)

AARC Congress 2018 is approved for all the credit hours you need to maintain your state license, more than 20 hours.



Karsten Roberts



Craig Smallwood



John Davies



Dario Rodriguez



Brian Carlin

Pulmonary Rehabilitation: The New 2018 Guidelines

2:50 PM – 3:25 PM

Gerilynn Connors RRT, Fairfax VA

Content Category: CLP

This talk will discuss the key changes in the upcoming 2018 guidelines for pulmonary rehabilitation.

Ventilator Management Strategies To Minimize Neonatal Lung Injury

2:50 PM – 3:25 PM

James Kiger MD, Pittsburgh PA

Content Category: NPS

As infants are especially susceptible to ventilator-induced lung injury of all forms, a careful and rational approach to ventilation that seeks to minimize harm is potentially beneficial in the reduction of chronic lung disease. This presentation will discuss evidence-based choices for ventilator management with a focus on reducing the risks of volutrauma, atelectrauma, and biotrauma.

Using Apps to Engage Interprofessional Learners

2:50 PM – 3:25 PM

**Douglas Masini EdD RRT FAARC,
Savannah GA**

Content Category: EDU

Apps on tablets, computers, or phones allow the instructor to teach respiratory care procedures, as well as lung and airway anatomy and physiology, in a visually appealing way that contributes simultaneously to the cognitive, effective, and hands-on psychomotor skills of the student in orientation. The author will demonstrate how apps provide a low-cost alternative to lectures, photos, and slides of the cardiopulmonary system.

OPEN FORUM® — Poster Discussions #3

Supported by an unrestricted educational grant from



3:15 PM – 5:10 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

OPEN FORUM® — Poster Discussions #4

Supported by an unrestricted educational grant from



3:15 PM – 5:10 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

Ethics: Critical Care or Euthanasia?

3:30 PM – 4:05 PM

**Melissa Ash BS RRT AE-C,
Downingtown PA**

Content Category: ETH

Euthanasia has been discussed since the ancient Roman and Greek times. Today it is still a hot topic. This lecture will address whether respiratory therapists are unknowingly participating in euthanasia and will compare and contrast comfort care with euthanasia. Specific case studies will be discussed.



Gerilynn Connors



James Kiger



Douglas Masini



Melissa Ash

Case Studies from Case Management: Successes and Shortcomings

3:30 PM - 4:05 PM

Krystal Craddock BSRC RRT AE-C, Roseville CA

Content Category: CLP

This lecture will discuss how the respiratory therapist's expertise can play a vital role in respiratory care case management when discharging patients to post-acute care. Case studies will be presented on successful discharges and discharges where there were opportunities for improvement.

(Symposium) Bronchopulmonary Dysplasia

3:30 PM - 4:45 PM

► Current Challenges, Outcomes, and Future Direction

3:30 PM - 4:05 PM

Brad Kuch MHA RRT FAARC, Havertown PA

Content Category: NPS

Management of BPD and chronic lung disease requires a multidisciplinary team approach to navigate clinical and developmental challenges. The presentation will discuss the current challenges surrounding the care of these complex patients from acute phase through discharge. Outcomes and future therapeutic options will be discussed.

► Clinical Management of Severe BPD

4:10 PM - 4:45 PM

James Kiger MD, Pittsburgh PA

Content Category: NPS

Infants who have developed bronchopulmonary dysplasia have significant challenges in the management of their ventilation and associated comorbidities. This presentation will discuss ventilator strategies for infants who have already been diagnosed with severe BPD as well as evidence-based approaches to the management of nutrition, pulmonary hypertension, and development in these vulnerable infants.



Krystal Craddock



Brad Kuch

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Putting Research into Your Curriculum

3:30 PM – 4:05 PM

**Aaron Light DHSc RRT RRT-ACCS,
Springfield MO**

Content Category: EDU

The presenter will demonstrate ways to incorporate a research component into a curriculum. This presentation will discuss ways to include actual research projects like bench studies and human testing studies. Examples of how he has performed over 60 student-led research projects and transitioned them into OPEN FORUM abstracts for the AARC will be described.

Nurturing a Clinical Problem into a Research Project

4:10 PM – 4:45 PM

**Dave Burnett PhD RRT AE-C,
Kansas City KS**

Content Category: EDU

Many respiratory therapists are expert clinicians and have great ideas about improving clinical care. However, they are unsure of how to take a clinical problem and create a meaningful and impactful research project. This presentation will discuss how to form a research question, conduct a productive literature search, develop your aims and hypothesis, and choose the methodology for a project.

The Patient Experience: Is There Common Sense in Medicine?

4:10 PM – 4:45 PM

**Thomas Lamphere RRT RPFT FAARC,
Sellersville PA**

Content Category: PTS

Health care workers are told by their administrators to not only deliver quality medical care, but to ensure patients have a great experience while in the hospital. However, most health care workers have never been a patient themselves and fail to recognize things they do every day that directly relate to a poor patient experience. This presentation will follow the presenter as a case study to examine the use of common sense in medicine.

PRO/CON: RTs Add Value to Health Care Delivery

4:10 PM – 5:25 PM

**Douglas Laher MBA RRT FAARC,
Irving TX**

**Garry Kauffman MPA RRT FAARC,
Walnut Cove NC**

Content Category: MGT

This pro/con debate will explore whether or not RTs add value to health care delivery in the realms of quality, safety, and financial performance. Presenters will defend their position through published evidence, financial data survey results, and outcome metrics. Do RTs really add value, or is the profession an unneeded, task-driven commodity that hospitals can do without? As an added twist, a coin will be flipped at the onset of the presentation to determine which side of the debate each person will take.



Aaron Light



Dave Burnett



Thomas Lamphere



Douglas Laher



Garry Kauffman



The 64th International Respiratory
Convention & Exhibition

Spirometry in the Primary Care Setting

4:10 PM – 4:45 PM

**Curt Merriman RRT CPFT,
Burnsville MN**

Content Category: PFT

Spirometry in primary care settings has a long history of poor quality. Ideally, qualified respiratory therapists should be performing these tests. In reality that rarely happens. Coordinated efforts with pulmonary function lab personnel for training and quality control can help provide improved quality and assure long-term quality improvements.

Identifying and Managing At-Risk Extubations

4:10 PM – 4:45 PM

**Carl Hinkson MS RRT FAARC,
Marysville WA**

Content Category: AAC

Can clinicians accurately identify patients that are at risk for post-extubation complications? This evidence-based presentation will help clinicians be better prepared to identify these high risk patients. The management of a failed extubation will also be presented.

Pulmonary Rehabilitation for the Non-Obstructed Patient

4:10 PM – 4:45 PM

**Trina Limberg BS RRT FAARC,
San Diego CA**

Content Category: CLP

Attend this session to review evidence-based practice for training and educating this growing population of patients.

How To Explain Spirometry to a PCP

4:50 PM – 5:25 PM

Amanda Clark RRT, Columbia SC

Content Category: PFT

Primary care providers are charged with being an expert in a variety of disease processes and in interpreting labs tests, radiologic and otherwise. There has been a tremendous amount of misdiagnosis of pulmonary disease from lack of interpretive strategies for simple diagnostics such as oximetry and spirometry.

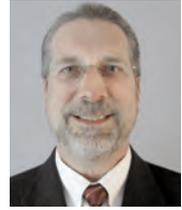
Implications of Aerosol Delivery in a Pediatric Population

4:50 PM – 5:25 PM

Tim Myers MBA RRT FAARC, Avon OH

Content Category: NPS

Aerosolized medications are commonly administered, often without supportive data. This presentation will review the current literature to support an evidence-based approach to aerosol delivery in the pediatric population.



Curt Merriman



Carl Hinkson



Trina Limberg



Amanda Clark



Tim Myers

Passive Smoke Exposure in Children: Health Risks of Smoke Exposure

4:50 PM – 5:25 PM

Natalie Napolitano MPH RRT FAARC, Philadelphia PA

Content Category: CLP

This lecture will discuss the known health hazards to children with exposure to second- and third-hand smoke.

Can Extubation Failure Be Predicted?

4:50 PM – 5:25 PM

David Vines RRT, Wheaton IL

Content Category: AAC

Extubation failure occurs in 10-20% of extubated patients and is associated with poor clinical outcomes. Many factors lead to extubation failure, but can it be predicted? This presentation will review published research associated with predicting extubation failure. Extubation failure prevention strategies will also be discussed.

Hot Topics in Higher Education: Incorporating Disease Management into the RC Curriculum

4:50 PM – 5:25 PM

Douglas Masini EdD RRT FAARC, Savannah GA

Brady Scott MS RRT FAARC, Wheaton IL

Content Category: MGT

Disease management is an important, emerging role for respiratory therapists. This presentation will include suggestions for including disease management in both didactic coursework and in clinical experiences.

A Safe Approach in Caring for Tracheostomy Patients across the Continuum

4:50 PM – 5:25 PM

Kathleen Spihlman BS RRT, St Louis MO

Content Category: CLP

This lecture will discuss how to achieve positive outcomes to improve care for the tracheostomy patient and transition them successfully from acute to post-acute. This lecture will review the overall risks to tracheostomy patients when entering into any health care system and clear methods to eliminate that risk to this vulnerable population.



Natalie Napolitano



David Vines



Douglas Masini



Brady Scott



Kathleen Spihlman

RESPIRATORY CARE

OPEN FORUM® Symposia
sponsored by



Clinicians present the results of their scientific studies. Abstracts with a similar focus are clustered into a symposium to encourage discussions and interactions among investigators and observers; posters expand the information presented. 14 OPEN FORUM Symposia will be presented during the 3 ½ days of AARC Congress 2018.

Special Events

AARC Awards Ceremony

Tuesday, December 4
8:00 am – 9:30 am

Keynote Address

Tuesday, December 4
9:35 am – 10:25 am

AARC Welcome Party

Tuesday, December 4
8 pm

Flag Folding Ceremony

Thursday, December 6
8:50 am – 9:20 am

41st Sputum Bowl Finals & Reception

Thursday, December 6
Finals: TBD
Reception: 5:15pm - 7:30pm

Sponsored by

Medtronic

Further, Together

Closing Ceremony

Friday, December 7
12:45 pm – 2:15 pm



Wednesday



AARC Annual Business Meeting

7:30 AM – 8:30 AM

Brian Walsh PhD RRT RRT-NPS FAARC
AARC President | *Presiding*

Karen Schell DSc RRT RRT-NPS RPFT
AARC President-elect | *Presiding*

This is the official 2018 Annual Business Meeting of the AARC. Reports from AARC leadership are presented. 2019 AARC officers, Board of Directors, and officers from the House of Delegates are installed. The meeting concludes with an address from 2019-2020 AARC President Karen Schell.

Sputum Bowl Preliminaries

Sponsored by

Medtronic

Further, Together

8:00 AM – 6:00 PM

Renee Wunderley BS RRT RRT-NPS | *Presiding*

Student teams from the AARC State Societies compete in the preliminary competitions. The top four teams will face off in the Finals on Thursday, December 6.

6th Thomas L Petty Memorial Lecture: Everyone Needs Oxygen

8:40 AM – 9:30 AM

Jerry Krishnan MD PhD, Chicago IL



Content Category: CLP

The presentation will discuss the evidence supporting the use of supplemental oxygen in COPD and efforts underway to promote stakeholder-supported strategies to promote appropriate use of home oxygen during hospital-to-home transitions.

AARC Congress 2018

Post-Acute Care Section Meeting

9:30 AM – 10:30 AM



Krystal Craddock BSRC RRT AE-C/
Presiding

Gene Gantt RRT FAARC/Presiding

Zach Gantt RRT/Presiding

Section members meet to determine their needs and priorities, as well as how to use AARC resources to accomplish them. All Congress attendees, including section non-members, are invited to attend and participate.

Neo-Peds Section Meeting

9:35 AM – 10:05 AM



Steve Sittig RRT RRT-NPS C-NPT
FAARC/Presiding

Section members meet to determine their needs and priorities, as well as how to use AARC resources to accomplish them. All Congress attendees, including section non-members, are invited to attend and participate.

OPEN FORUM® — Poster Discussions #5

Supported by an unrestricted educational grant from



10:00 AM – 11:55 AM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

OPEN FORUM® — Poster Discussions #6

Supported by an unrestricted educational grant from



10:00 AM – 11:55 AM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

Industry Support Statement

- The AARC is proud of the collaboration we have had with friends in industry for many years, and we wish to acknowledge our appreciation for their unrestricted educational grants for AARC Congress 2018.
- All sponsored sessions will be identified in the program, with signage, and verbally at the lectern.
- The AARC accepts support only on the condition that the Program Committee be the sole owner of all sessions, including selection of speakers and topics.

(Symposium)
**Respiratory Compromise:
From Concept to Care**

10:15 AM – 12:25 PM

Sponsored by



► **Introduction**

10:15 AM - 10:25 AM

TBD

Content Category: CLP

Respiratory Compromise is a state in which there is a high likelihood of decompensation into respiratory insufficiency, respiratory failure, or death but in which screening, monitoring, and specific interventions might prevent or mitigate decompensation.

► **History of Respiratory Compromise Institute (RCI)**

10:25 AM – 10:45 AM

Phil Porte, Vienna VA

Content Category: CLP

The Institute was formalized to develop approaches to education of the medical community and the general public, and to develop research opportunities that would assist the broad medical community to address respiratory compromise in varied settings including the hospital, nursing homes, and the home.

► **Populations at Risk:
Medicare Data Mining**

10:50 AM – 11:40 AM

**Sidney Braman MD FCCP,
New York NY**

James Lamberti MD, Annandale VA

Content Category: CLP

Respiratory Compromise is one of the top 5 conditions leading to increasing hospital costs and the 3rd leading cause for increasing hospital inpatient cost in the United States. General care floor patients with respiratory compromise are 29 times more likely to die; more than 60% of arrests brought on by respiratory compromise are potentially preventable.

► **Future Research Considerations**

11:45 AM – 12:25 PM

Jeff Vender MD MBA, Winnetka IL

**Neil R MacIntyre MD FAARC,
Durham NC**

Content Category: CLP

As the concept of respiratory compromise continues to grow, the RCI seeks to identify specific research initiatives in both the medical and surgical settings from questions identified from big data.



Phil Porte



Sidney Braman



James Lamberti



Jeff Vender



Neil R MacIntyre

Wednesday, December 5

(Symposium)

Update on Tracheostomy

10:30 AM – 12:25 PM

► Tracheostomy and Aerosols

10:30 AM – 11:05 AM

Ariel Berlinski MD, Little Rock AK

Content Category: CLP

Optimizing aerosolized medication delivery to spontaneously breathing patients with tracheostomies is an important aspect of disease management but clinicians have little guidance in this process. This presentation will discuss the literature published on aerosolized medication administration to this population and provide practical guidance.

► Unique Aspects of Pediatric Tracheostomies

11:10 AM – 11:45 AM

Kathleen Deakins RRT RRT-NPS, Cleveland OH

Content Category: CLP

Pediatric patients are not simply "small people." Understanding the nuances of this population in context with tracheostomy management is vital. This presentation will discuss how the initiation, airway selection, and management of tracheostomy pediatric patients differ from adults.

► Controversies in Tracheostomy Management

11:50 AM – 12:25 PM

Constance Mussa PhD RRT RRT-NPS, Chicago IL

Content Category: CLP

Many different practices exist in the management of tracheostomy sites and airways. Do we clean with peroxide? How often do tracheostomy tubes need

to be changed? This presentation will address common questions focused on tracheostomy management with information from the literature.

(Symposium)

Pharmacology Review of Medications Used In Sleep

10:30 AM – 11:45 AM

► Meds That Make You Night Night

10:30 AM – 11:05 AM

Jessica Schweller MS RRT RN-CNP, Worthington OH

Content Category: SDS

This lecture will focus on current sleep aids used today and update the learner on the mechanism of action of how sleep aids work on the brain. This lecture will also visit the side effects of the medications and alternatives to medications.

► Meds That Make You Wakey Wakey

11:10 AM – 11:45 AM

Jessica Schweller MS RRT RN-CNP, Worthington OH

Content Category: SDS

This lecture will focus on the use of stimulant therapy in patients with shift work disorder, narcolepsy, and hypersomnia disorders. The lecture will also address the side effects that come with the medication and review the pharmacology and mechanism of action of each medication discussed.



Ariel Berlinski



Kathleen Deakins



Constance Mussa



Jessica Schweller

(Symposium)
Hot Topics in Higher Education
10:30 AM – 11:45 AM

► **What RC Faculty
"Need to Know"**
10:30 AM – 11:05 AM

**Bill Galvin MEd RRT FAARC,
Havertown PA**

Content Category: EDU
Higher education is undergoing significant change and facing issues of considerable importance to the respiratory care educator. Funding, attrition, quality outcomes, innovations in technology, faculty development, classroom management, and safety are just a few of the more prominent issues facing higher academia. This presentation will entail a conversation on some of the more critical issues that all RC faculty should appreciate and comprehend.

► **A Roundtable Discussion**
11:10 AM – 11:45 AM

Content Category: EDU
As a follow-up to Hot Topics in Higher Education, participants will have the opportunity to discuss specific topics of interest in greater depth with other interested peers. Participants will be able to share their own experiences and seek answers to questions regarding the topics presented previously.

Content Categories

AAC — Adult Acute Care
CLP — Clinical Practice
EDU — Education
ETH — Ethics
MGT — Management
NPS — Neonatal/Pediatrics
PFT — Pulmonary Function
PTS — Patient Safety
SDS — Sleep Medicine

**Pediatric ARDS:
Do We Have Consensus Yet?**
10:30 AM – 11:05 AM

Neal Thomas MD MSc, Hershey PA

Content Category: NPS
Since the publication of the Pediatric Acute Lung Injury Consensus Conference guidelines, have the definitions for pediatric ARDS and approaches to management become more standardized? This presentation by one of the leaders of the PALICC initiative will review the highlights of the consensus conference and discuss the subsequent data that have supported and refuted the initial recommendations. Time will be allocated for discussion with the audience.

**Your Best Friend
on Your Worst Day:
RTs on Transport Teams**
10:30 AM – 11:05 AM

Jon Inkrott RRT RRT-ACCS, Orlando FL

Content Category: CLP
In this talk we will discuss the role of the RT in the highly competitive and acute environment of critical care transports. Safety topics will also be discussed. We will also identify the specific skill sets and personality traits that teams look for in a quality individual who can work well with a single other team member in the most acute environment and do it well. Case studies will also be reviewed.



Bill Galvin



Neal Thomas



Jon Inkrott

(Symposium)

Targeted Oxygen Therapy

10:30 AM – 12:25 PM

► Oxygen Toxicity — A Clinical Perspective

10:30 AM – 11:05 AM

**Rich Kallet MS RRT FAARC,
San Francisco CA**

Content Category: AAC

Oxygen toxicity has been described for over 100 years. Conventional wisdom has suggested that an FIO₂ < 0.60 is safe in adults. However hyperoxia has been associated with negative outcomes. What is a safe level of FIO₂ in the ICU — is there one?

► Permissive Hypoxemia — How Low Can We Go?

11:10 AM – 11:45 AM

**Neil R MacIntyre MD FAARC,
Durham NC**

Content Category: AAC

Patients experience a wide range of oxygenation values over the course of treatment. Hypoxia is well tolerated in some circumstances of human existence. When is it better to focus on lung protection and allow mild to moderate hypoxemia? How low a PaO₂ can be tolerated? What are the consequences?

► Oxygen Requirements of Ventilated Patients

11:50 AM – 12:25 PM

**Dario Rodriguez MSc RRT,
Cincinnati OH**

Content Category: AAC

Oxygen is typically set to a desired oxygen saturation or PaO₂. Data suggests that once the FIO₂ is < 0.50 clinicians rarely decrease

the FIO₂ regardless of PaO₂. How much oxygen do mechanically ventilated patients require? How should we set FIO₂?

Impact of a Post-Discharge Integrated Disease Management Program

10:30 AM – 11:05 AM

Umur Hatipoglu MD, Cleveland OH

Content Category: MGT

Readmission following a hospitalization for COPD is associated with significant health care expenditure. This talk describes a multi-component COPD post-discharge integrated disease management program that was implemented at the Cleveland Clinic to improve the care of patients with COPD and reduce readmissions. The results of a study evaluating the program which reduced 90-day readmissions and identified predictors of readmission will be described.

OPEN FORUM® — Posters Only #1

Supported by an unrestricted educational grant from



10:30 AM – 1:30 PM

Researchers and clinicians present the results of their work in this Posters Only session. Authors available from 12:00 pm – 1:30 pm for questions and answers. Poster Walk Rounds led by Bill F Galvin MSc RRT CPFT AE-C FAARC and Dean R Hess PhD RRT FAARC.



Rich Kallet



Neil R MacIntyre



Dario Rodriguez



Umur Hatipoglu



The 64th International Respiratory
Convention & Exhibition

How to Use Epic to Automate RT Workload Acuity and Staffing

11:10 AM – 11:45 AM

Lindsay Hattan BS RRT, Omaha NE

Content Category: MGT

This presentation will focus on how to build a scoring system in Epic that will automatically calculate workload acuity numbers. Learn how to build rules in Epic that assign points based on respiratory therapy orders and documentation. This information can be reported in real-time per shift, listed by floor and by individual RT, for building assignments that optimize staffing, achieve staffing levels adjusting to patient demand, and document productivity internally as well as in comparison to other RT departments in other organizations.

Fight or Flight? Pediatric Stabilization Prior to Transport

11:10 AM – 11:45 AM

Jennifer Watts RRT RRT-NPS C-NPT, Romeoville IL

Content Category: NPS

This presentation will focus on the steps to be taken to prepare the pediatric patient prior to their being sent to a higher level of care. The presentation will also discuss the difference between a "scoop and go" versus a "stay and play" pediatric transport situation.

Controversies in Pediatric Respiratory Care: An Interactive Debate and Discussion

11:10 AM – 12:25 PM

Alex Rotta MD FCCM, Cleveland OH

Ira Cheifetz MD FAARC, Durham NC

Content Category: NPS

In this interactive session two international experts will impromptu debate hot topics in pediatric respiratory care. Input from the audience will be encouraged.

Respiratory Compromise in Post-Acute Care

11:50 AM – 12:25 PM

Gene Gantt RRT FAARC, Livingston TN

Content Category: CLP

Respiratory Compromise (RC) is a state in which there is a high likelihood of de-compensation into respiratory insufficiency, respiratory failure, or death but in which specific interventions (monitoring and/or therapies) might prevent or mitigate de-compensation. More than 60% of arrests brought on by respiratory compromise are potentially avoidable. This session will review the potential for respiratory compromise in post-acute care.

Implementation Science in Respiratory Therapy

11:50 AM – 12:25 PM

Thomas Malinowski MScRT RRT FAARC, Charlottesville VA

Content Category: MGT

Implementation Science is the study of strategies that help overcome the challenges associated with translating evidenced-based health care recommendations into practice. This presentation describes how Implementation Science can help migrate respiratory research into more common daily use and increase the number of evidenced-based interventions that are applied.



Lindsay Hattan



Jennifer Watts



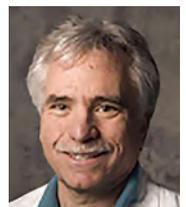
Alex Rotta



Ira Cheifetz



Gene Gantt



Thomas Malinowski

Wednesday, December 5

On The Flip Side: Transport in the Prone Position

11:50 AM – 12:25 PM

Jon Inkrott RRT RRT-ACCS, Orlando FL

Content Category: AAC

Prone position during mechanical ventilation in the ARDS patient remains a solid treatment intervention that is practiced in many ICUs. However, when these patients fail to improve and require a higher acuity of care, is it a safe option to transport these patients while in the prone position? We will discuss case studies that explore options when transporting these critically ill patients.

Behavioral Therapy for the Management of Insomnia

11:50 AM – 12:25 PM

Meena Khan MD, Columbus OH

Content Category:

The overall aim of this lecture is to discuss the psychological and behavioral barriers in those with insomnia and the behavioral strategies to improve their sleep.

Sleep Section Meeting

12:30 PM – 1:00 PM



**Jessica Schweller MS RRT RN-CNP/
Presiding**

Section members meet to determine their needs and priorities, as well as how to use AARC resources to accomplish them. All Congress attendees, including section non-members, are invited to attend and participate.

Surface to Air Transport Section Meeting

12:30 PM – 1:00 PM



**Oliva Kaullen BHS RRT RRT-NPS/
Presiding**

Section members meet to determine their needs and priorities, as well as how to use AARC resources to accomplish them. All Congress attendees, including section non-members, are invited to attend and participate.

OPEN FORUM® — Poster Discussions #7

Supported by an unrestricted educational grant from



12:30 PM – 2:25 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

OPEN FORUM® — Poster Discussions #8

Supported by an unrestricted educational grant from



12:30 PM – 2:25 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.



Jon Inkrott



Meena Khan

Management Section Meeting

1:15 PM – 1:45 PM



Cheryl Hoerr MBA RRT FAARC /
Presiding

Section members meet to determine their needs and priorities, as well as how to use AARC resources to accomplish them. All Congress attendees, including section non-members, are invited to attend and participate..

(Symposium) Recognition and Management of Sepsis

1:45 PM – 3:00 PM

► Diagnosis and Management of Sepsis and Septic Shock

1:45 PM – 2:20 PM

Robert Balk MD, Chicago IL

Content Category: AAC

Sepsis is a life-threatening condition characterized by systemic inflammation secondary to infection. This presenter will describe the current approach to the diagnosis and management of sepsis and septic shock in adult patients.

► Sepsis and Ventilatory Support

2:25 PM – 3:00 PM

Robert Balk MD

Content Category: AAC

Sepsis and respiratory failure can co-exist in critically ill patients making the management of these patients very challenging. This lecture will discuss lung dysfunction/injury in sepsis and management strategies to include: noninvasive and invasive mechanical ventilatory support, lung-protective ventilation, and weaning.

Understanding and Implementing Successful Planning

1:45 PM – 2:20 PM

Charles Bangley BS RRT,
Winterville NC

Content Category: MGT

Respiratory care managers have numerous distractions that can prevent them from assuring successful planning. The use of an organized approach which includes annual planning and employee engagement is key to staying on the path. This presentation will review easy-to-follow planning sessions and allow time for the participants to join in a brief planning session and staff engagement actions.



Robert Balk



Charles Bangley

Special Note

The largest respiratory care Exhibit Hall in the world will be open in Las Vegas, NV Tuesday through Thursday, December 4–6.

Most exhibitors will have clinical specialists on hand to answer questions on products, services and technology.

Don't miss this unique opportunity with all companies in the respiratory care industry.

(Symposium)
**Updates in Pulmonary Fibrosis
Treatment and Management**

Sponsored by



1:45 PM – 3:00 PM

► **Current Clinical Drug Trials
in the Pipeline for IPF and PF**

1:45 PM – 2:20 PM

**Gregory Cosgrove MD FCCP,
Denver CO**

Content Category: CLP

Pulmonary Fibrosis is a life-threatening condition of the lungs where tissues become thickened, stiff, and scarred over a period of time. Intense research to identify treatment options for specific types of pulmonary fibrosis disease is ongoing. This lecture will provide an overview of potential future therapies.

► **The Benefits of
Non-Pharmacologic
Interventions in Patients**

2:25 PM – 3:00 PM

James Lamberti MD, Annandale VA

Content Category: CLP

While pharmacologic treatment options for pulmonary fibrosis are ongoing, disease management strategies to help patients manage symptoms and prevent future complications also are key options. This lecture will look at the benefits of anaerobic exercise and other non-pharmacologic interventions.

(Symposium)
**Monitoring during
Mechanical Ventilation**

1:45 PM – 3:00 PM

► **The Role of Monitoring
During Mechanical Ventilation**

1:45 PM – 2:20 PM

Eddy Fan MD PhD, Toronto Ontario

Content Category: AAC

Monitoring is essential during mechanical ventilation. This lecture will provide the rationale for essential monitoring at the bedside and discuss advanced monitoring techniques that contribute to personalizing mechanical ventilation.

► **Visualizing Mechanical
Ventilation**

2:25 PM – 3:00 PM

**Thomas Piraino RRT,
Beamsville Ontario**

Content Category: AAC

Respiratory therapists are important for the safe monitoring of mechanically ventilated patients. Applying imaging techniques such as electrical impedance tomography and ultrasound to mechanically ventilated patients is gaining popularity in the literature. This lecture will discuss these techniques and where respiratory therapists play a key role.



James Lamberti



Eddy Fan



Thomas Piraino

AARC's 34th New Horizons in Respiratory Care Symposium

Ventilator Associated Events — Surveillance and Understanding

1:45 pm – 5:00 pm

► VAE Surveillance — What It Is and What It Isn't 1:45 PM – 2:20 PM

**Michael Klompas MD MPH,
Boston MA**

Content Category: PTS

Changes to the CDC surveillance for ventilator-associated events (VAE), formerly VAP, have led to confusion regarding terminology and treatment. This lecture will explain the importance of surveillance using these definitions and separate this surveillance from issues related to clinical manifestations of the disease.

► Aerosolized Antibiotics — Now What? 2:25 PM – 3:00 PM

**Rajiv Dhand MD FAARC FCCP,
Knoxville TN**

Content Category: CLP

Two recent, large randomized controlled trials have failed to show any advantage of adjunctive aerosolized antibiotics in the treatment of ventilator-associated infections. Is there any role for aerosolized antibiotics in ventilated patients?

► The Role of Specialty Tubes in Preventing VAE 3:05 PM – 3:40 PM

Thomas Piraino RRT

Content Category: PTS

A number of alterations to endotracheal tubes have been introduced to reduce the risk of aspiration of oral and gastric

secretions or to reduce bio-film. What is the evidence? Are these devices worth the cost?

► Airway Management and VAE 3:45 PM – 4:20 PM

**Brady Scott MS RRT FAARC,
Wheaton IL**

Content Category: PTS

Describe the methods of airway care which impact VAE. This includes closed vs open suctioning, cuff pressure management, removal of secretions above the cuff without a specialty ET tube, use of saline for instillation, and devices for cleaning the inside of the ET tube.

► Guidelines and Bundles — What Does the Evidence Support? 4:25 PM – 5:00 PM

**Rich Kallet MS RRT FAARC,
San Francisco CA**

Content Category: PTS

This lecture will discuss the new guidelines for VAP management including prevention, diagnosis, and treatment. This will include the use of NIV, daily SBT/SAT, and sedation interruption.



Michael Klompas



Rajiv Dhand



Thomas Piraino



Brady Scott



Rich Kallet

Wednesday, December 5

AARC Congress 2018

(Symposium)
**Pediatric Respiratory Care:
Challenging the Status Quo**

1:45 PM – 4:20 PM

► **6 ml/kg Tidal Volume is Not
Appropriate for All Patients**

1:45 PM – 2:20 PM

Neal Thomas MD MSc, Hershey PA

Content Category: NPS

Adult data support the use of 6 ml/kg tidal volume for ARDS. Despite the fact that pediatric data do not support this approach it is commonly extrapolated to infants and children. This presentation will question this approach. Data in support of alternative tidal volume management approaches will be discussed.

► **Our Current Management
Approach to HFOV is Wrong**

2:25 PM – 3:00 PM

**Martin Kneyber MD PhD FCCM,
Groningen Netherlands**

Content Category: NPS

Recent data have questioned the usefulness of HFOV. It remains unclear whether the recently reported negative outcomes are related to HFOV per se or rather the traditional approaches to clinical management. This presentation will question the status quo by exploring potential alternative HFOV management strategies.

► **ECMO Should Not Be
Reserved for Rescue Use Only**

3:05 PM – 3:40 PM

Ira Cheifetz MD FAARC, Durham NC

Content Category: NPS

ECMO has traditionally been used for refractory ARDS when all else fails. This presentation will question the status quo. Consideration of using venovenous ECMO as a strategy earlier in the course of pediatric ARDS management will be explored.

► **Mechanically Ventilated
Children Should Be Awake**

3:45 PM – 4:20 PM

**Sapna Kudchadkar MD PhD,
Baltimore, MD**

Content Category: NPS

Mechanically ventilated children have traditionally been heavily sedated. One must question whether this is the best approach given increasing knowledge of the adverse effects of pharmacologic sedation. This presentation will question the status quo of sedating mechanically ventilated children by discussing potential benefits of keeping these children awake. Potential safety concerns will also be considered.



Neal Thomas



Martin Kneyber



Ira Cheifetz



Sapna Kudchadkar

Exhibit Hall Hours:

Tuesday, Dec. 4, 10:30 am – 4:00 pm

Wednesday, Dec. 5, 9:30 am – 3:00 pm

Thursday, Dec. 6, 9:30 am – 2:00 pm



Post-Acute Recognition of Sepsis/SIRS

1:45 PM – 2:20 PM

Stephanie Williams BS RRT, Nashville TN

Content Category: CLP

80% of all sepsis begins outside of the hospital. Respiratory patients are at increased risk of developing sepsis due to chronic infections and frequent hospitalizations. If you work in a post-acute setting are you able to spot sepsis early and get the patient the treatment they need? How do you define post sepsis impact, and how does this affect our patient population?

(Symposium)

Sleep and the Heart: Why Should I Worry?

1:45 PM – 3:00 PM

► Sleep and the Heart

1:45 PM – 2:20 PM

Barbara Phillips MD, Lexington KY

Content Category: SDS

This talk will discuss the interactions between sleep-disordered breathing and cardiovascular disease.

► Treating Central Sleep Apnea

2:25 PM – 3:00 PM

Barbara Phillips MD

Content Category: SDS

This talk will discuss the implications of the treatment of central sleep apnea with adaptive servo ventilation (ASV).

Moving a Profession Forward but Who Wants to Take the Lead?

2:25 PM – 3:00 PM

Frank Salvatore Jr MBA RRT FAARC, Danbury CT

Content Category: MGT

This program looks at all the bluster of wanting to move the profession forward, while every major aspect of the profession points to someone else needing to do more. During this presentation for RT leaders we'll look at just what's being done by both to move the profession forward and discuss where more effort is needed.

Monitoring Infection Control in the Home

2:25 PM – 3:00 PM

Cynthia Gray Roberts RRT RPFT, Edmond OK

Content Category: CLP

As a home care provider when and how should you monitor infection control in the home? Monitoring infection control in the home is critical for clients/patients, staff, and the health of your business. Infection control monitoring isn't just for hospitals.



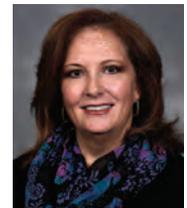
Stephanie Williams



Barbara Phillips



Frank Salvatore Jr



Cynthia Gray Roberts

Wednesday, December 5



Honor Our Military

ATTEND THE AARC
FLAG FOLDING CEREMONY

Thursday, December 6
8:50 AM in the Mandalay Ballroom GH

AARC Congress 2018

Effects of Marijuana on Sleep

3:05 PM – 3:40 PM

Lutana Haan RRT, Boise ID

Content Category: SDS

What do we know in 2018? The speaker will discuss findings on the effects of marijuana on sleep. She will also discuss how adolescents are affected by sleep disturbances and how sleep disorders respond to marijuana use.

PRO/CON: New Modes of MV are the Answer to Better Outcomes

3:05 PM – 4:20 PM

PRO: Robert Kacmarek PhD RRT FAARC, Littleton MA

CON: John Davies MSc RRT FAARC, Cary NC

Content Category: AAC

There is considerable debate regarding pressure versus volume targeted modes of mechanical ventilation. What about the new modes? Can new modes of mechanical ventilation be used to improve patient outcomes? During this session two experts will debate the evidence that supports or refutes the use of new modes.

Continuing Respiratory Care Education (CRCE)

AARC Congress 2018 is approved for all the credit hours you need to maintain your state license, more than 20 hours.

Respiratory Care of a Spinal Cord Injury Patient

3:05 PM – 3:40 PM

Maria Madden BS RRT RRT-ACCS, Baltimore MD

Content Category: AAC

Spinal cord injury can lead to significant respiratory complications such as hypoventilation and atelectasis. The lecture will review the respiratory management of patients with spinal cord injury.

The Millennial Takeover: The Safe Place of Skilled Nursing

3:05 PM – 3:40 PM

Ryan Stiles BS RRT, Gallatin TN

Content Category: CLP

A fresh look at aging and quality of life in the post-acute care ventilator unit specifically evaluating the needs of a younger population.

(Symposium) Bridging the Gaps — Acute to Post-Acute Care

3:05 PM – 5:00 PM

► Understanding Obstacles to Treatment in the Home

3:05 PM – 3:40 PM

Kimberly Wiles BS RRT FAARC, Kittanning PA

Content Category: CLP

Various limitations exist when discharging patients to home with various equipment modalities. This lecture will discuss obstacles to care and how to identify barriers to care.



Lutana Haan



Robert Kacmarek



John Davies



Maria Madden



Kimberly Wiles

► **Accurate Oxygenation — How Does it Affect Readmissions?**

3:45 PM – 4:20 PM

**Mark Mangus Sr RRT CPFT FAARC,
San Antonio TX**

Content Category: CLP

Are your patients oxygenated appropriately? This lecture will discuss the limitations in long term oxygen therapy when provided in the home.

► **Equipment Limitations in the Home for the Ventilator Patient**

4:25 PM – 5:00 PM

Angela King RRT RPFT, Leo IN

Content Category: CLP

Advances in technology have enabled critically ill but stable patients return to their home. This lecture will discuss barriers to care and how to ensure a safe discharge.

Medical Device Cybersecurity Landscape in Health Care

3:05 PM – 3:40 PM

**Marc Schlessinger MBA RRT FACHE,
Plymouth Meeting PA**

Content Category: MGT

With today's connected health care environment medical device cybersecurity can no longer be a secondary thought. It must be a key strategy for every health care organization. Easy access to the hospital network can be achieved through the many connected medical devices. Many health care systems still utilize outdated and unsupported operating systems which pose an additional threat to the network.

OPEN FORUM — Poster Discussions #9

Supported by an unrestricted educational grant from



3:10 PM – 5:05 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

OPEN FORUM — Poster Discussions #10

Supported by an unrestricted educational grant from



3:10 PM – 5:05 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.



Mark Mangus



Angela King



Marc Schlessinger

Wednesday, December 5

ZZZ...? Fatigue, Sleep Deprivation, and Patient Safety

3:45 PM – 4:20 PM

Jennifer Anderson EdD RRT RRT-NPS, Wichita Falls TX

Content Category: SDS

Sleep deprivation can affect the performance of RTs. The amount of impairment that is induced by acute sleep deprivation has consistently been shown to mirror that induced by alcohol. Learn about issues surrounding sleep deprivation that can lead to worsened performance and recommendations to prevent and reduce fatigue. In this interactive lecture we will discuss alertness and performance and the consequences of sleep deprivation.

Micro-Learning: Latest Fad or Emerging Innovation?

3:45 PM – 4:20 PM

Bill Galvin MEd RRT FAARC, Havertown PA

Content Category: EDU

Micro-learning is a relatively new phenomenon in the world of teaching and learning. It has been particularly attractive in the world of training and development where time, ease of access, and change of content are of considerable importance. Does it hold value in the classroom, in clinical education, in staff development and/or patient education? This presentation will provide an overview of the concept, the rationale, and steps in development and use for managers and educators.

Start Early: Lung-Protective Ventilation in the ED

3:45 PM – 4:20 PM

Daniel Rowley MS RRT FAARC, Charlottesville VA

Content Category: AAC

Incorporating lung protective mechanical ventilation strategies into clinical practice

has improved ARDS outcomes, but its associated mortality remains unacceptably high. Emerging evidence suggests that the early application of a lung protective ventilation strategy in the emergency department may reduce ARDS onset or severity.

Immersing Evidence-Based Practice in All Respiratory Services

3:45 PM – 4:20 PM

Teresa Volsko MBA RRT FAARC, Canfield OH

Content Category: MGT

There are many barriers that prevent the use of an evidence-based approach to care to transform our practice. This lecture series will describe the tenets of Evidence-Based Practice (EBP), discuss the barriers and present solutions to transform a culture into one which prepares our workforce, level-loads EBP knowledge in an organization, and strategically infuses EBP into the culture by educating and empowering our current and future workforce.

Meeting the Needs of an Asthma Community

4:25 PM – 5:00 PM

Scott Cerreta BS RRT, Phoenix AZ

Content Category: PTS

The Navajo Nation is home to the largest Indian tribe in the U.S. and sprawls across northeast Arizona, New Mexico, and Utah. National Jewish Health has been awarded an NHLBI grant to develop an Asthma Toolkit Program for the diagnosis and management of childhood asthma within the Navajo Nation where a recent surge of asthma cases have been identified. This lecture will review the collaboration program implemented within an outpatient and inpatient setting.



Jennifer Anderson



Bill Galvin



Daniel Rowley



Teresa Volsko



Scott Cerreta

Transformational Leadership

4:25 PM – 5:00 PM

**Valerie David MHA RRT AE-C,
Smyrna GA**

Content Category: MGT

Leaders who display an authentic and transformational leadership style allow for the recognition of needed change and are capable of guiding change by inspiring followers and creating a sense of commitment. These qualities allow the respiratory care leader to feel both comfortable and confident when engaging in the development of themselves and those around them.

Advancing Your Education, Seeking a Career in Academics, and the Future of Respiratory Care

4:25 PM – 5:00 PM

**Robert Joyner PhD RRT FAARC,
Delmar MD**

Content Category: EDU

Significant frustration can occur when you feel you don't have the voice and authority you deserve. This discussion will include practical reasons to seek out an advanced degree and how it leads to a more satisfying career in the clinical setting and within academics. Why being smart is not enough, even if it should be.

RTs Role in Decreasing Hospital Readmissions

4:25 PM – 5:00 PM

Derrick Orr RRT, Philadelphia PA

Content Category: SDS

This lecture will identify ways to navigate the pathway from identification to treatment and discuss how outcomes are used to drive change and improve patient care.

Pediatric Pearls for Optimal Transition to Home Ventilation

4:25 PM – 5:00 PM

Howie Panitch MD, Philadelphia PA

Content Category: NPS

Although focus is often on the acute ventilatory management of the pediatric patient with respiratory failure, one of the biggest challenges is the transition from acute management to chronic ventilatory care. This presentation will discuss pearls for the optimal transition of the infant or child to home ventilation.

High Flow Nasal Cannula: Not Just Hot Air

4:25 PM – 5:00 PM

**Dean R Hess PhD RRT FAARC,
Danvers MA**

Content Category: AAC

High flow nasal cannula (HFNC) has been shown to be a safe and effective therapy in various clinical situations. This lecture will review the evidence supporting the use of HFNC to improve gas exchange and improve work of breathing.



Valerie David



Robert Joyner



Derrick Orr



Howie Panitch

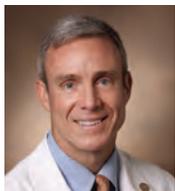


Dean R Hess

Thursday



45th Donald F Egan Scientific Memorial Lecture



The ABCDEF Bundle and the Role of the Respiratory Therapist
8:00 AM – 8:45 AM

**Wes Ely MD MPH,
Nashville TN**

Content Category: AAC

The ABCDEF Bundle is a major initiative in critical care to improve patient care and speed the ICU and ventilator discontinuation process. A — assess, manage, and prevent pain; B — both spontaneous breathing trials and spontaneous awakening trials; C — choice of analgesia and sedation; D — delirium prevention and treatment; E — early mobility/exercise; and F — family engagement.

Dr. Ely will describe the integration of respiratory therapists into each of these domains to assure collaboration and quality patient care. He will describe how lack of respiratory therapy involvement can doom the implementation to failure. The science behind the bundle will be reviewed and areas of further study revealed.

Sputum Bowl Finals

Sponsored by

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Further. Together

TBD

Renee Wunderley BS RRT RRT-NPS | Presiding

Student teams from the AARC State Societies compete in the preliminary competitions. The top four teams will face off in the Finals today. Attend the reception from 5:15 pm – 7:30 pm.

Student Symposium for New Professionals

THIS SYMPOSIUM IS NOT ELIGIBLE FOR CRCE

8:35 AM – 12:25 PM

► Message from Your AARC President

8:35 AM – 9:10 AM

**Karen Schell DHSc RRT RRT-NPS
RPFT, Frankfort KS**

The 2019-2020 president of the AARC will meet with students to answer questions and discuss the importance of the role students play in advancing the profession.

► What It Means To Be a Professional

9:15 AM – 9:45 AM

**Dana Evans MHA RRT RRT-NPS,
Chicago IL**

This presentation will focus on preparing the respiratory care student to transition into professional life as a respiratory therapist. The presenter will discuss demonstrating professionalism in student environments (clinical rotations, professional meetings, etc.), applying and interviewing for a job, and maintaining professionalism after graduation.

► Getting That Dream Job

9:50 AM – 10:25 AM

**Cheryl Hoerr MBA RRT FAARC,
Rolla MO**

This presentation will provide an explanation of the value of marketing and how you can use key marketing principles to position yourself for your dream job. We will also outline techniques to conduct an effective job search along with a brief overview on how to develop your cover letter and resume. The presenter will discuss common mistakes and pitfalls of job seekers, including those that may cost you the position before you are hired.

► Success on the Therapist Multiple Choice Examination

10:30 AM – 11:05 AM

**Bill Galvin MEd RRT FAARC,
Havertown PA**

The presentation will address the factors that make for success in the examination process. It will cover preparatory issues and what you will experience onsite as well as test-taking strategies and techniques. Emphasis will be placed on the new Therapist Multiple-Choice Examination (TMC).

► Success on the Clinical Simulation Examination

11:10 AM – 11:45 AM

Bill Galvin MEd RRT FAARC

This presentation will serve as a sequel to the previous one and will address the factors that make for success on the Clinical Simulation Examination. It will cover such issues as exam content, structure, and unique strategies for progressing through a branching logic type of exam. It will also highlight recent changes in policy.

► Finding Your WHY

11:50 AM – 12:25 PM

Joseph Ariale Jr RRT, Summerville SC

Mandy De Vries RRT, Charleston SC

Come in and join us for a little motivation and the stories of two very different respiratory therapists finding their WHYs through their respiratory educational and career journeys. Finding your WHY or your passion will give you the motivation to get involved and stay involved leading to a very fulfilled and positive respiratory career.



Karen Schell



Dana Evans



Cheryl Hoerr



Bill Galvin



Joseph Ariale



Mandy De Vries

Flag Folding Ceremony

8:50 AM – 9:20 AM

An AARC tradition like no other, attend the AARC Flag Folding Ceremony and celebrate the rich tradition of the U.S. Military and Armed Forces. RT veterans and active duty respiratory therapists conduct a moving ceremony as we recognize those who serve, those who have served, and those we have lost.



OPEN FORUM® — Editors' Choice

Supported by an unrestricted educational grant from



9:00 AM – 11:30 AM

Presentations of the top abstracts in this year's OPEN FORUM. Researchers and clinicians present significant findings in respiratory care research by giving 8-minute slide presentations, each followed by 5 minutes of questions and discussion. Important — Posters of the Editors' Choice abstracts will be displayed in the Exhibit Hall on Tuesday and Wednesday, Dec 4-5 and in the meeting room on Thursday, Dec 6.

Adult Acute Care Section Meeting

9:55 AM – 10:25 AM



Carl Hinkson MS RRT FAARC/Presiding

Section members meet to determine their needs and priorities, as well as how to use AARC resources to accomplish them. All Congress attendees, including section non-members, are invited to attend and participate.



Rob DiBlasi

OPEN FORUM® — Posters Only #2

Supported by an unrestricted educational grant from



10:30 AM – 1:30 PM

Researchers and clinicians present the results of their work in this Posters Only session. Authors available from 12:00 pm – 1:30 pm for questions and answers. Poster Walk Rounds led by Dean R Hess PhD RRT FAARC and Brady Scott MSc RRT RRT-ACCS FAARC.

Top 5 Respiratory Controversies in the Neonatal ICU

10:30 AM – 11:05 AM

**Rob DiBlasi RRT RRT-NPS FAARC,
Shoreline WA**

Content Category: NPS

Today's respiratory therapists are challenged when making clinical decisions that could impact clinical outcomes in the neonatal critical care environment. Pertinent topics may include anything from selecting the proper nasal airway interface for noninvasive support to deciding on a new ventilator mode to the location for placing a nebulizer for giving an aerosol treatment to a mechanically ventilated newborn. This interactive lecture will focus on several hot topics related to respiratory care in the NICU.

(Symposium)
**Current Opinions in
Mechanical Ventilation**
10:30 AM – 12:25 PM

► **Understanding Dynamic
Alveolar Physiology to
Minimize VILI**
10:30 AM – 11:05 AM

Gary Nieman BA, Syracuse NY

Content Category: AAC
Mechanical ventilation in ARDS can be a double-edged sword: if set improperly it can cause ventilator-induced lung injury (VILI). In this lecture the dynamic physiology of alveolar inflation and deflation during mechanical ventilation will be reviewed. The pathophysiologic mechanisms of VILI will also be discussed.

► **Physiology-Based Practice**
11:10 AM – 11:45 AM

**Thomas Piraino RRT,
Beamsville Ontario**

Content Category: AAC
Despite the many large studies of mechanical ventilation only a few studies have demonstrated benefit or reduction of unwanted patient outcomes. Understanding, measuring, and monitoring the physiological response to mechanical ventilation is essential for individualizing the delivery of mechanical ventilation. This talk will summarize the concept of individualized mechanical ventilation based on physiology.

► **Evidence-Based Practice**
11:50 AM – 12:25 PM

**Eddy Fan MD PhD,
Toronto Ontario**

Content Category: AAC
Mechanical ventilation is a fundamental aspect of critical care. Evidence-based practice is essential for minimizing the potential harm of mechanical ventilation. This talk will summarize the best evidence available for the practice of mechanical ventilation today.

**Healthy People 2020:
What's an RT Leader To Do?**
10:30 AM – 11:05 AM

**Sara Parker MPH RRT AE-C,
Columbia MO**

Content Category: MGT
The Healthy People Initiative is part of a 10-year plan aimed at improving the health of the American population. The initiative identifies major health topics and develops objectives to target specific areas. The goal is to obtain documented improvement by the end of the 10-year timeline. RT leaders and RT clinicians can play a role in achieving these outcomes with awareness and involvement in the development of the interventions.

**Transforming COPD with
an End to End Solution**
10:30 AM – 11:05 AM

Anil Singh MD, Pittsburgh PA

Content Category: CLP
This lecture will discuss a program that is successful in coordinating acute and post-acute care in the management of COPD.



Gary Nieman



Thomas Piraino



Eddy Fan



Sara Parker

PRO/CON: Post-Op Pulmonary Complications: Ambulation is Enough

10:30 AM – 11:45 AM

PRO: Rich Branson MS RRT FAARC, Beaufort SC

CON: Keith Lamb BS RRT RRT-ACCS, Warrenton VA

Content Category: AAC

Postoperative pulmonary complications are common and associated with considerable morbidity. Several therapies have been proposed to reduce issues such as atelectasis. This debate will evaluate the evidence to support and refute commonly used therapies to reduce postoperative pulmonary complications, including early ambulation.

(Symposium)

ATS/ERS Diagnostic Standards

10:30 AM – 12:25 PM

► ERS Technical Standard on Bronchial Challenge Testing

10:30 AM – 11:05 AM

Matthew O'Brien RRT RPFT FAARC, Madison WI

Content Category: PFT

In 2017 the European Respiratory Society published the new technical standard on bronchial challenge. This lecture will review this standard in its use in a pulmonary function laboratory.

► Single-Breath Carbon Monoxide Uptake in the Lung

11:10 AM – 11:45 AM

Jeffrey Haynes RRT RPFT FAARC, Pembroke NH

Content Category: PFT

In 2017 the European Respiratory Society and American Thoracic Society published new standards for single-breath carbon monoxide uptake in the lung. The document describes new calibration and mechanical model requirements and a quality control grading scheme as well as the new acceptability and repeatability criteria for test performance. In addition it emphasizes the use of rapid gas analyzer technology.

► ATS Standards for Pulmonary Function Reporting

11:50 AM – 12:25 PM

Carl Mottram RRT RPFT FAARC, Rochester MN

Content Category: PFT

In December 2017 the ATS published a new standard on the standardization of the PFT report which includes references and grading schemes. This lecture will review the recommendations and the impact on pulmonary function laboratory practice.



Rich Branson



Keith Lamb



Matthew O'Brien



Jeffrey Haynes



Carl Mottram

(Symposium)

COPD National Action Plan — How Do We Implement It?

10:30 AM – 12:25 PM

► Ethical Challenges in an Evolving Technical Health Care World

10:30 AM – 11:05 AM

**Jason Moury MPH RRT,
Winchendon MA**

Content Category: ETH

This lecture will explore the ethical challenges RTs face in our current connected world. The speaker will discuss what is/isn't acceptable and ways to help respiratory therapists identify potential ethical issues. Three examples of "best practices" will be given that show decisions that have opened the door for discipline. The speaker will also explore the impact that social media and other internet-based forums have on RTs and their workplace.

► The History and Importance of the COPD National Action Plan

11:10 AM – 11:45 AM

**Stephanie Williams BS RRT,
Nashville TN**

Content Category: CLP

Did you know that the COPD National Action Plan is the first ever blueprint for a unified approach to dealing with the disease? The US Congress requested this plan be developed with input from a broad sample of the COPD community to help those affected by the disease and those who care about reducing its burden.

► Knowledge and Empowerment

11:50 AM – 12:25 PM

Jane Martin BA LRT CRT, Holland MI

Content Category: CLP

Respiratory therapists can influence the impact of the COPD National Action Plan. In this presentation attendees will learn about specific tools they can use to help implement the COPD National Action Plan in their work environment. They will also learn how these resources are available in a variety of forms and levels of interaction for those impacted by COPD, including patients their family members and caregivers.

Discontent: The First Necessity of Progress

11:10 AM – 11:45 AM

**Thomas Berlin DHSc MS RRT,
Orlando FL**

Content Category: MGT

American health care is at a crossroads in the attempt to reduce cost, eliminate waste, and improve value. Without a clear and relentless focus on enhancing and communicating value to those we serve, our profession may be at risk. Opportunity awaits RTs who can expand their skill set and work to mitigate problems with quality and waste. We will examine the message the US job market is sending and discuss a way forward.

Dynamic Dialogue: Excellence in Patient Communication

11:10 AM – 11:45 AM

Frederic Seifer MD FCCP, Potsdam NY

Content Category: CLP

Dynamic Dialogue is a methodology for effective engagement. Dynamic Dialogue is used to connect with patients in a way most clinicians can't or won't. It's connecting with patients at their level, figuring out what's important to them, and leveraging it to better manage their chronic disease.



Jason Moury



Stephanie Williams



Jane Martin



Thomas Berlin



Frederic Seifer

(Symposium)
**Congenital Diaphragmatic
Hernia: Management
and Outcomes**

11:10 AM – 12:25 PM

► **Acute Management of
Congenital Diaphragmatic
Hernia**

11:10 AM – 11:45 AM

**Natalie Napolitano MPH RRT FAARC,
Philadelphia PA**

Content Category: NPS

This presentation will include a comprehensive discussion of the key aspects in the management of the neonate with congenital diaphragmatic hernia. An emphasis will be placed on the available data.

► **Outcomes of Infants
with Congenital
Diaphragmatic Hernia**

11:50 AM – 12:25 PM

Howie Panitch MD, Philadelphia PA

Content Category: NPS

What are the short- and long-term outcomes for neonates with congenital diaphragmatic hernia? This international expert will review the available data and offer thoughts for future developments for this challenging clinical condition. Time will be allotted for discussion with the audience.

**Achieving the APEX
Recognition Award:
Not a Sprint but a Marathon**

11:50 AM – 12:25 PM

**Margarete Pierce MS RRT CPFT,
Chadds Ford PA**

Content Category: MGT

The APEX Award defines performance-driven standards demonstrating commitment to excellence in quality, safety, and evidence-based care. APEX recognition organizations require engaged RTs who are actively involved in process improvement, best practices, and a progressive environment that empowers and attracts clinicians. The lecture provides tips to implement changes and prepare your department to achieve APEX recognition status.



Natalie Napolitano



Howie Panitch



Margarete Pierce

**Lung Transplantation
and the RT**

11:50 AM – 12:25 PM

Mark Yoder MD MS FCCP, Chicago IL

Content Category: AAC

This presentation will discuss the policies and regulations addressing lung transplantation and when the chronic pulmonary disease patient may qualify for lung transplantation in addition to pre- and post-lung transplantation patient care.

Exhibit Hall Hours:

Tuesday, Dec. 4, 10:30 am – 4:00 pm
Wednesday, Dec. 5, 9:30 am – 3:00 pm
Thursday, Dec. 6, 9:30 am – 2:00 pm



AARC Congress 2018

M3 — Maximally Medically Managed

11:50 AM – 12:25 PM

Frederic Seifer MD FCCP, Potsdam NY

Content Category: CLP

This topic will cover what it means to be Maximally Medically Managed as a COPD patient. This means following the GOLD guidelines, evaluating secretion clearance capabilities, and identifying things like bronchiectasis which is grossly under-diagnosed by >75% in the US.

OPEN FORUM® — Poster Discussions #10

Supported by an unrestricted educational grant from



12:30 PM – 2:25 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.



The 64th International Respiratory Convention & Exhibition

OPEN FORUM® — Poster Discussions #11

Supported by an unrestricted educational grant from



12:30 PM – 2:25 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

Education Section Meeting

12:45 PM – 1:45 PM



Georgianna Sergakis PhD RRT FAARC/ Presiding

Section members meet to determine their needs and priorities, as well as how to use AARC resources to accomplish them. All Congress attendees, including section non-members, are invited to attend and participate.

Diagnostics Section Meeting

1:15 PM – 1:45 PM



Katrina Hynes MHA RRT RPFT/ Presiding

Section members meet to determine their needs and priorities, as well as how to use AARC resources to accomplish them. All Congress attendees, including section non-members, are invited to attend and participate.



Frederic Seifer

(Symposium)
ECMO: When, Who, and How

1:45 PM – 4:20 PM

► **Assessment of Oxygenation in Critical Care**

1:45 PM – 2:20 PM

Heidi Dalton MD, Scottsdale AZ

Content Category: AAC

Oxygenation Index (OI), PaO₂/FiO₂ (P/F) ratios, and SpO₂/FiO₂ (S/F) ratios are used as clinical indicators of hypoxemia in critical care. This lecture will focus on how these and other values may be used to help screen patients for advanced support modalities.

► **This Patient is an ECMO Candidate: REALLY?**

2:25 PM – 3:00 PM

Mani Daneshmand MD, Durham NC

Content Category: AAC

ECMO supports heart and lung function when conventional therapies have failed and the risk of death is high. But who should be placed on ECMO? How do we decide that a patient is a good candidate? This lecture will discuss the indications and contraindications of ECMO support with an emphasis on factors that influence the final decision.

► **New Extracorporeal Support Devices**

3:05 PM – 3:40 PM

Heidi Dalton MD

Content Category: AAC

This lecture will discuss new methods and devices for extracorporeal support that have been recently developed and are on the horizon.

► **Novel Approaches to ECMO Cannulation**

3:45 PM – 4:20 PM

Mani Daneshmand MD

Content Category: AAC

With the growing acceptance of the importance of ambulation during ECMO support, security of cannula placement is essential. This national expert will review novel cannulation strategies which enable patients, including those cannulated for VA ECMO, to ambulate safely. Thoughts for the future advancements of ECMO technology will be offered.



Heidi Dalton



Mani Daneshmand



Honor Our Military

**ATTEND THE AARC
FLAG FOLDING CEREMONY**

**Thursday, December 6
8:50 AM in the
Mandalay Ballroom GH**

Thursday, December 6

PRO/CON: Infants Should Be Extubated to HFNC to Facilitate Successful Extubation

1:45 PM – 3:00 PM

PRO: Rob DiBlasi RRT RRT-NPS FAARC, Shoreline WA

CON: Brad Kuch MHA RRT FAARC, Havertown PA

Content Category: NPS

It is becoming increasingly common for clinicians to extubate infants and children to noninvasive respiratory support with HFNC. Does this practice promote extubation success and is it thus resource wise? Or does this practice prolong unnecessary supportive medical care and waste resources? In a pro/con format these two experts in the field will debate this ongoing controversy. Time will be allocated for open discussion with the audience.

Pulmonary Function Testing of the Obese Patient

1:45 PM – 2:20 PM

Jeffrey Haynes RRT RPFT FAARC, Pembroke NH

Content Category: PFT

This lecture will review the physiologic and technical aspects of performing pulmonary function testing in the obese patient.

(Symposium) Heated High Flow Humidity in Post-Acute: Improving Outcomes

1:45 PM – 3:00 PM

► Why Heated High Flow for Trach and Vent Weaning?

1:45 PM – 2:20 PM

Nancy Nathenson RRT, Lincoln NE

Content Category: CLP

Introduction of heated high flow humidification in the LTACH environment — why and how.

► Vent Days Reduction with Heated High Flow Humidification

2:25 PM – 3:00 PM

Lorraine Cullen MS RRT, Berlin CT

Content Category: CLP

Ventilator weaning rates will become a core metric for LTACHs in the near future. How can LTACHs meet or exceed the national standards? This presentation will look at one LTACHs' ventilator weaning protocol that resulted in a reduction of 4 days on the vent.



Rob DiBlasi



Brad Kuch



Jeffrey Haynes



Nancy Nathenson



Lorraine Cullen

Content Categories

AAC — Adult Acute Care
CLP — Clinical Practice
EDU — Education
ETH — Ethics
MGT — Management
NPS — Neonatal/Pediatrics
PFT — Pulmonary Function
PTS — Patient Safety
SDS — Sleep Medicine

(Symposium) Navigating Group Purchasing Organizations

1:45 PM – 2:20 PM

► GPOs in Value-Based Purchases and What RT Managers Need to Understand

1:45 PM – 2:20 PM

Stephen Walker BHS RRT RCP, Weatherford TX

Content Category: MGT

Many organizations purchase supplies through Group Purchasing Organizations (GPOs). This presentation will provide information about what a GPO is, what a GPO does for your organization, why manufacturers contract through GPOs, and how you can utilize your facility's GPO to help manage your equipment, supplies, and other purchases to ensure quality of care rather than merely cost-cutting.

► Why Do We All Have to Have the Same Stuff? Clinical Preferences

2:25 PM – 3:00 PM

Carl Hinkson MS RRT FAARC, Marysville WA

Content Category: MGT

Has this happened to you: you have a nice ventilator that everyone in your facility is comfortable using, but now you're being told you have to buy a different brand because it is "on contract?" You are not alone. GPOs offer great value but may force everyone to standardize to one product. This presentation will cover differentiating between what is a clinical need versus a clinical preference and how to approach it with your colleagues.

Social Media in Health Care and Asthma Education

1:45 PM – 2:20 PM

Jamie Smith BHS RRT AE-C, Leawood KS

Content Category: CLP

This presentation will describe first-hand experience with starting a social media platform within the hospital system and using social media as a way to educate ourselves and our patient population about asthma and allergies.

How "Present" is the Online Instructor?

1:45 PM – 2:20 PM

Monica Schibig MA RRT RRT-NPS, Columbia MO

Content Category: EDU

Over the past few years there have been several highly publicized reports of institutions that were facing substantial fines, or potential loss of accreditation, because classes defined by the institution as distance education lacked evidence of regular and substantive interaction between instructors and students. This lecture will provide vital information to ensure compliance and avoid accreditation complications.

The Dollars and Sense of Pulmonary Function Testing

2:25 PM – 3:00 PM

Matthew O'Brien RRT RPFT FAARC, Madison WI

Content Category: PFT

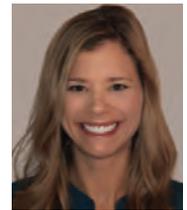
Health care reimbursement dollars continue to decline. Health care facilities continue to look for ways to reduce costs. Does your current method of diagnostic testing make sense? This presentation will provoke you to reassess your current lab workflow for potential savings without sacrificing quality.



Stephen Walker



Carl Hinkson



Jamie Smith



Monica Schibig



Matthew O'Brien

(Symposium)
**Paving the Path to
a Bachelor's Degree**

2:25 PM – 4:20 PM

► **Curricular Considerations**

2:25 PM – 3:00 PM

Tina Siddon MS RRT, Madisonville KY

Content Category: EDU

This presentation will describe interventions programs can implement prior to students starting their degree program.

► **Helping Students Explore Opportunities**

3:05 PM – 3:40 PM

Kyle Mahan MSM RRT, Louisville KY

Content Category: EDU

This presentation will describe low budget methods of making students aware of options to transfer to bachelor's degree RT programs.

► **Resources Available to Help**

3:45 PM – 4:20 PM

**Diane Oldfather MHED RRT FAARC,
Bland MO**

Content Category: EDU

This presentation will describe tools that are available to promote career pathways.

Continuing Respiratory Care Education (CRCE)

AARC Congress 2018 is approved for all the credit hours you need to maintain your state license, more than 20 hours.

**Home Asthma Education:
Can I Get Reimbursed for That?**

2:25 PM – 3:00 PM

**Sara Parker MPH RRT AE-C,
Columbia MO**

Content Category: CLP

The economic burden of asthma in the United States is significant. Asthma education improves asthma self-management and asthma control. In-home asthma education programs can decrease the number of hospitalizations and have a significant return on investment if they are developed appropriately. There is currently a gap in this area of asthma management but several states are beginning to utilize AE-Cs for this service.

(Symposium)
**You're in the 25th Percentile
— Now What?**

3:05 PM – 4:20 PM

► **Pitfalls and Complexities
of Benchmarking**

3:05 PM – 3:40 PM

**Richard Ford BS RRT FAARC,
Poway CA**

Content Category: MGT

Every department strives to be the best, but what do you do when your administrator informs you that your benchmarking data is way "out of line" with your compare group and it looks like significant reductions in staff must be made? We will take a closer look at why benchmarking data — in even the best performing hospitals — can indicate productivity is poor and look at strategies to level the playing field and improve performance.



Tina Siddon



Kyle Mahan



Diane Oldfather



Sara Parker



Richard Ford

► **AARC Benchmarking: Getting the Most from Your Metrics**

3:45 PM – 4:20 PM

Richard Ford BS RRT FAARC

Content Category: MGT

AARC Benchmarking has been redesigned. This presentation will highlight the key features of AARC Benchmarking, the process of data entry, and an overview of reports currently available.

The HME RT: Evolve or Disappear

3:05 PM – 3:40 PM

Zach Gantt RRT, Livingston TN

Content Category: CLP

Innovative home care providers have found new ways to create revenue streams, clinical programs, and partnerships. These services and programs are the exception instead of the norm. This lecture will review these successful models and discuss how to get paid for respiratory services in post-acute care.

Delirium in the Critical Care Setting: Reality or Dream?

3:05 PM – 3:40 PM

Sapna Kudchadkar MD PhD, Baltimore MD

Content Category: NPS

An increasing quantity of literature supports both the existence and adverse effects of delirium in the pediatric population. An international expert in this important field will review the available data, discuss tools to identify delirium in the pediatric ICU, and explore strategies for treatment.

Clinical Application of Impulse Oscillometry

3:05 PM – 3:40 PM

Michael Morris MD, San Antonio TX

Content Category: PFT

This presentation will discuss how impulse oscillometry can be used in the pulmonary function lab to supplement spirometry and assist in the diagnosis of asthma and other respiratory disorders.

(Symposium) The Immunological Basis of Asthma

3:05 PM – 4:20 PM

► **The Immunological Basis for Asthma**

3:05 PM – 3:40 PM

Kathleen Ververeli MD, Allentown PA

Content Category: CLP

This lecture will describe the various immune pathways that lead to the development and progression of asthma with a focus on potential treatment targets.

► **Management of the Immunological Basis of Asthma**

3:45 PM – 4:20 PM

Kathleen Ververeli MD

Content Category: CLP

This lecture will detail the currently approved monoclonal antibodies and future ones with focus on their specific mechanism of action, efficacy, safety, and practical use in clinical settings.



Zach Gantt



Sapna Kudchadkar



Michael Morris



Kathleen Ververeli

Professional Use of Social Media

3:05 PM – 3:40 PM

Mona Shattell PhD RN, Chicago IL

Content Category: MGT

Considering issues such as HIPAA and hospital liability, social media may feel like a minefield to health care providers. There are many resources regarding what not to post; however it is equally important to know how proper use of social media can benefit the health care provider, the profession, and the community.

OPEN FORUM® — Poster Discussions #13

Supported by an unrestricted educational grant from



3:10 PM – 5:05 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

OPEN FORUM® — Poster Discussions #14

Supported by an unrestricted educational grant from



3:10 PM – 5:05 PM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. The audience and authors review the posters during the first part of the session. A brief oral presentation (no slides) and audience questions and discussion allow presenters to expand on the work featured on the posters.

Emergency Preparedness in the Home: Is Your Team Ready?

3:45 PM – 4:20 PM

Cynthia Gray Roberts RRT RPFT, Edmond OK

Content Category: CLP

Preparing for the emergency you hope never comes is essential to the safety of your staff and clients/patients. The past years have presented emergencies that were thought to be impossible. Natural emergencies and manmade are something you must be prepared to deal with. Are you ready?



Mona Shattell



Cynthia Gray Roberts



Photo Courtesy of Las Vegas Visitor Center

(Symposium)
**Hot Topics in
Pulmonary Diagnostics**

3:45 PM – 5:00 PM

► **An Interpretation of
Fractional Exhaled Nitric Oxide
(FENO) Levels for Clinical
Applications**

3:45 PM – 4:20 PM

**Katrina Hynes MHA RRT RPFT,
Rochester MN**

Content Category: PFT

In 2013 the American Thoracic Society published an official clinical practice guideline describing the clinical utility of FENO testing and interpretation of the data produced. This lecture will review this guideline and its use in the clinical setting.

► **A "Gap" Analysis**

4:25 PM – 5:00 PM

**Carl Mottram RRT RPFT FAARC,
Rochester MN**

Content Category: PFT

Clinical practice guidelines and technical statements are necessary to ensure patient data is produced in standardized fashions and according to identified medical best practices. At times the written language can be discordant with how clinicians conduct the test. This presentation will identify the "gaps" in the newly published documents and their impact on patient care.

(Symposium)
**Noninvasive Gas Exchange:
As Good As an Arterial Line?**

3:45 PM – 5:00 PM

► **Noninvasive CO2 Assessment
in the Neo-Peds ICU Setting**

3:45 PM – 4:20 PM

**Craig Smallwood PhD RRT,
Jamaica Plain MA**

Content Category: NPS

End-tidal CO2 monitoring is becoming a standard of clinical care. Increasingly mechanical ventilators incorporate carbon dioxide monitoring permitting breath-by-breath measurements and waveform analysis as well as trending of the key parameters. This presentation will discuss the relevant technology, physiologic limitations, and best practices of capnography during mechanical ventilation.

► **Noninvasive Monitoring of
Oxygenation in the Neo-Peds
ICU Setting**

4:25 PM – 5:00 PM

**Craig Wheeler MS RRT RRT-NPS,
Boxford MA**

Content Category: NPS

The Oxygenation Index and PaO2/FiO2 ratio are commonly used metrics to assess pulmonary dysfunction; however both values require an arterial blood gas sample to calculate. This presentation will discuss various noninvasive methods for assessing the severity of respiratory failure. Benefits, limitations, and best practices of noninvasive monitoring of oxygenation will be explored.



Katrina Hynes



Carl Mottram



Craig Smallwood



Craig Wheeler

(Symposium)
**Strategies to Succeed
in Respiratory Care**

3:45 PM – 5:00 PM

► **Words of Wisdom:
Medical Director's Perspective**

3:45 PM – 4:20 PM

Ira Cheifetz MD FAARC, Durham NC

Content Category: NPS

New to neonatal-pediatric respiratory care? Changing roles within the respiratory care field? This presentation will offer thoughts and suggestions for success from a senior medical director's perspective. Open discussion with the audience will be encouraged.

► **Words of Wisdom:
Recent Grad's Perspective**

4:25 PM – 5:00 PM

Camille Stover RRT, Boise ID

Content Category: NPS

New to neonatal-pediatric respiratory care? Changing roles within the respiratory care field? This presentation will offer thoughts and suggestions for success from a recent grad's perspective. Open discussion with the audience will be encouraged.

**What the C-Suite Expects
of RT Leaders to Demonstrate
Their Value and the Value of
Their Respiratory Care Services**

4:25 PM – 5:00 PM

**Anthony Baird DSc MHA RRT,
El Paso TX**

Content Category: MGT

The presentation will outline developmental and growth capabilities for RT Managers and RT clinicians using our intrinsic global education and positioning as the platform for this development and growth. Discussion will include current and future challenges to health care in general and how RT leaders must play a major role. This presentation is delivered by a former RT who has made the leap to the C-Suite and will share his perspectives on how we are viewed by executives and what we must do to demonstrate, document, and communicate our value.

**Maintaining Skin Integrity
during Noninvasive Ventilation**

4:25 PM – 5:00 PM

**Kenneth Miller MSRT MEd RRT,
Bath PA**

Content Category: AAC

The benefits of noninvasive ventilation are well documented as are associated complications. Facial skin breakdown is a well-known complication that should be addressed. This lecture describes risk factors associated with facial skin breakdown and a multi-disciplinary team approach to reduce it in the acute care environment.



Ira Cheifetz



Camille Stover



Anthony Baird



Kenneth Miller

RESPIRATORY CARE

OPEN FORUM® Symposia
sponsored by



Clinicians present the results of their scientific studies. Abstracts with a similar focus are clustered into a symposium to encourage discussions and interactions among investigators and observers; posters expand the information presented. 14 OPEN FORUM Symposia will be presented during the 3 ½ days of AARC Congress 2018.

A Graceful Exit: An End-of-Life Course

4:25 PM – 5:00 PM

**Monica Schibig MA RRT RRT-NPS,
Columbia MO**

Content Category: EDU

It can be challenging to incorporate important information regarding end-of-life care into the already packed RT curriculum. This lecture will present a self-study, online, eight module based approach that allows for the flexibility of including modules at any point in time during a student's matriculation through the program.

Staying Safe during Patient Care

4:25 PM – 5:00 PM

Mona Shattell PhD RN, Chicago IL

Content Category: PTS

Health care providers may experience emotionally charged situations when providing patient care. This presentation

will explore various situations the RT may experience and identify appropriate strategies to either avoid, manage, or de-escalate these situations.

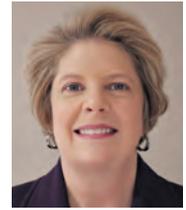
Ethics and the RT: Err on the Side of...

4:25 PM – 5:00 PM

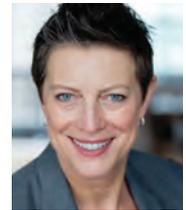
**Stephanie Williams BS RRT,
Nashville TN**

Content Category: ETH

As medical professionals respiratory therapists are held to a high ethical standard. You may think you know the right thing to do in a variety of situations, but are you familiar with what the AARC Code of Ethics says? How do those standards play out in real life? This lecture will explore the code of ethics and examine real world events and the decisions that were made — both positive and negative.



Monica Schibig



Mona Shattell



Stephanie Williams



WIN PRIZES with the AARC Passport Game!

★ ★ ★ ★ ★

Download the AARC Mobile App to play the AARC Passport Game during Congress 2018. Collect points to win by posting pictures, scanning QR codes, evaluating sessions and more. Winners will be announced at the closing ceremony. Play for a chance to win a Grand Prize!

To play:

- » Go to EVENTS within the AARC app
- » Find the MORE tab
- » Select AARC PASSPORT GAME
- » Start earning points to win!



Friday



34th Phil Kittredge Memorial Lecture

Journey to Zero Harm — Developing a Culture of Safety

8:00 AM – 8:50 AM

Michael Anderson MD MBA, San Francisco CA

Content Category: PTS

Can we be successful in the elimination of nosocomial patient harm? An international expert in patient safety will discuss the journey to zero harm. Strategies that can be employed in all medical facilities to advance a culture of safety will be discussed.

Searching for Florence: Respiratory Care Needs a “Nightingale”

9:15 AM – 9:50 AM

Mike Hess BS RRT RPFT, Kalamazoo MI

Content Category: MGT

Nurses have Florence Nightingale and physicians have Hippocrates. These figures helped define their professions and serve as embodiments of their roles to this day. But respiratory therapy does not have a similar archetype. Does this mean we lack identity? Does this absence make it more difficult to raise our profile in the public eye? If so how do we identify and develop our very own “Nightingale?”



Michael Anderson



Mike Hess

RESPIRATORY CARE

Journal Symposium Putting a Paper Together

9:15 am – 12:30 pm

► Using a Literature Search To Define a Research Question

9:15 AM – 9:50 AM

**Dean R Hess PhD RRT FAARC,
Danvers MA**

Content Category: CLP

Describe methods for searching and reviewing the literature to help define what is known, and how to ask a research question.

► Data Management and Data Analysis

9:55 AM – 10:30 AM

**Rob Chatburn MHHS RRT FAARC,
Cleveland OH**

Content Category: CLP

Determining how many subjects to study is always a challenge. A power analysis can be helpful but requires some statistical understanding. When do you involve a statistician? What are the rules for data management and analysis?

► IRB, IACUCs, and NCTs — Important Rules and Regs

10:35 AM – 11:10 AM

**Rich Branson MS RRT FAARC,
Beaufort SC**

Content Category: CLP

A discussion of requirements for Institutional Review Board approval, Institutional Animal Care and Use Committees, and registration with the national clinical trials web site.

What requirements must be met? How can this affect your papers suitability for publication?

► Methodology — Prospective and Retrospective Trials

11:15 AM – 11:50 AM

**Rich Kallet MS RRT FAARC,
San Francisco CA**

Content Category: CLP

The research question should lead to an appropriate methodology. The use of retrospective data is popular as it evaluates existing data. Historical controls are also popular but have many confounders. Prospective studies allow for better control of confounders but are more expensive and typically require IRB approval. Research based on quality improvement has also become popular but has limitations. This talk will review these issues.

► How to Discuss the Findings

11:55 AM – 12:30 PM

Rich Branson MS RRT FAARC

Content Category: CLP

Research doesn't prove anything. Research provides data upon which a question can be answered with a degree of certainty (or probability). Presenting your findings is an important part of the publishing process and requires interpretation of the data comparison to the existing literature and acknowledgment of limitations.



Dean R Hess



Rob Chatburn



Rich Branson



Rich Kallet

(Symposium)
Innovations in Simulation
9:15 AM – 11:10 AM

► **Using Simulation to Achieve Outcomes**
9:15 AM – 9:50 AM

Julia Lawrence MS RRT RRT-NPS, Houston TX

Content Category: EDU

In this lecture the learner will experience how to use simulation to achieve patient outcomes and understand different ways simulation can be used to improve performance and patient safety.

► **How to Train When Performance Matters — RTs and RCDP**
9:55 AM – 10:30 AM

Julianne Perretta MEd RRT RRT-NPS, Eldersburg MD

Content Category: EDU

Rapid-Cycle Deliberate Practice (RCDP) is an innovative simulation training method incorporating high-fidelity training with rapid directed debriefing and multiple scenario replays. Debriefing is focused on diagnosing performance deficiencies using objective data to direct corrective actions and giving participants solutions to provide faster, safer, and better coordinated patient care.

► **Just-in-Time Training: Simulation Right When It Counts**
10:35 AM – 11:10 AM

Shannon Poling MEd RRT CHSE, Baltimore MD

Content Category: EDU

Annual training is a luxury many institutions can no longer afford. Even when possible, the timing of this type of "one and done" training frequently does not align with when low-volume high-risk time sensitive skills are needed. This presentation will describe several models of designing and implementing training that can be used "just-in-time" increasing staff confidence and competence and improving patient safety.

Gender Differences in Asthma Severity
9:15 AM – 9:50 AM

Joe Zein MD, Mayfield Heights OH

Content Category: AAC

Asthma is more prevalent in boys before puberty. However, after puberty it becomes more severe and prevalent in women. Asthma severity fluctuates across the lifespan in women. It changes during the menstrual cycle and during pregnancy and menopause. It is also influenced by oral contraceptives and hormone replacement therapy. This lecture discusses the approach to asthma management in women.



Julia Lawrence



Julianne Perretta



Joe Zein

Evidence-Based Management Strategies for Bronchiolitis

9:15 AM – 9:50 AM

**Dana Evans MHA RRT RRT-NPS,
Chicago IL**

Content Category: NPS

Bronchiolitis is one of the most common reasons for an infant to present for medical care; however, clinical practice can be variable and is not always evidence-based. This presentation will review the current medical literature and offer an evidence-based approach to the management of the infant with bronchiolitis.



PRO/CON: Driving Pressures are Superior to Tidal Volumes in ARDS

9:15 AM – 10:30 AM

**PRO: Robert Kacmarek PhD RRT
FAARC, Littleton MA**

**CON: Neil R MacIntyre MD FAARC,
Durham NC**

Content Category: AAC

Current guidelines suggest that tidal volume set to ideal body weight (IBW) of the patient is the right thing to do in the setting of ARDS. However, some data has emerged that lungs still undergo significant stress and strain even when these guidelines are used. The experts in this pro/con debate will discuss the utility of driving pressure as a way to protect the lungs.

Surfactant Administration: Beyond the Traditional Approaches

9:55 AM – 10:30 AM

**Shari Toomey MBA RRT RRT-NPS,
Hardy VA**

Content Category: NPS

Surfactant administration in the neonate is standard practice. Alternative noninvasive administration techniques have been developed with the goal of minimizing potential damage caused by mechanical ventilation during surfactant administration. This lecture will explore alternative methods of surfactant delivery and discuss potential benefits.



Dana Evans



Robert Kacmarek



Neil R MacIntyre



Shari Toomey

(Symposium)

Respiratory Care in Trauma

9:55 AM – 11:10 AM

► From the ED to the ICU: Mechanical Ventilation in Trauma

9:55 AM – 10:30 AM

Carl Hinkson MS RRT FAARC, Marysville WA

Content Category: AAC

This presentation will cover ventilator management for the trauma patient from the emergency room to the intensive care unit. Unique strategies related to special injuries will also be covered.

► When It All Goes Wrong: Rescue Strategies in Trauma

10:35 AM – 11:10 AM

Keith Lamb BS RRT RRT-ACCS, Warrenton VA

Content Category: AAC

During this lecture the presenter will cover special rescue strategies for the trauma patient that does not respond to conventional measures. The presenter will also discuss the emerging role of ECMO in the trauma population.

Leadership Lessons in Trying Times

9:55 AM – 10:30 AM

Michael Anderson MD RRT, Oxford PA

Content Category: MGT

Balancing the multiple competing interests of a healthcare organization is becoming increasingly challenging given the rapidly changing healthcare field and increasing financial pressures. This presentation will provide leadership lessons from the range of perspectives from bedside clinicians to hospital president.

High Flow Nasal Cannula: Where Are the Data?

10:35 AM – 11:10 AM

Joel Brown BS RRT FAARC, Oxford PA

Content Category: NPS

The use of high flow nasal cannula in the neonatal-pediatric population continues to grow at a near exponential rate. But where are the data? This presentation will review the available data and offer a comprehensive evidence-based approach to the application of HFNC in infants and children.

The 4 Rs Every Manager Needs to Know to Create and Manage a Successful Professional Ladder Program

10:35 AM – 11:10 AM

Lori Green BSRT RRT RRT-NPS, Herriman UT

Content Category: MGT

The 4 Rs are: Recruit, Recognize, Reward, and Retain your employees. A successful professional ladder program at the University of Utah Hospital is outlined. The program encourages further career development, education, credentialing, and retention of staff. In addition, this program also increases retention of highly skilled employees, improves quality outcomes, and raises the staff to a higher level of clinical practice.



Carl Hinkson



Keith Lamb



Michael Anderson



Joel Brown



Lori Green

Hospice and Palliative Care: What's the Difference?

10:35 AM – 11:10 AM

Shawna Strickland PhD RRT FAARC, Irving TX

Content Category: ETH

Palliative care and hospice are frequently confused as the same component of care. In reality these two care options are independent of each other. This presentation will compare and contrast the elements of palliative care and hospice as well as discuss the RT's role in both.

Disclosure of Faculty Conflict of Interest

- The AARC remains strongly committed to providing the best available evidence-based clinical information to participants of this educational activity and requires an open disclosure of any potential conflict of interest identified by our faculty members.
- It is not the intent of the AARC to eliminate all situations of potential conflict of interest, but rather to enable those who are working with the AARC to recognize situations that may be subject to questions by others.
- All disclosed conflicts of interest are reviewed by the AARC Program Committee to ensure that such situations are properly evaluated and, if necessary, resolved.
- The AARC educational standards pertaining to conflict of interest are intended to maintain the professional autonomy of the clinical experts, which is essential in promoting a balanced presentation of science.
- Through our review process, all AARC CRCE activities are ensured of independent, objective, scientifically balanced presentations of information.
- Disclosure for all presenters will be acknowledged in the on-site final program.

The Future is Here — Pediatric Innovation

11:15 AM – 11:50 AM

Kathleen Deakins RRT RRT-NPS, Cleveland OH

Content Category: NPS

Pediatric Innovation is an established program designed to incorporate respiratory therapists in improving clinical processes and designing products that improve bedside clinical care. This presentation will produce a comprehensive review of this novel program with an emphasis on respiratory care.

Agency Update

11:15 AM – 12:30 PM

Karen Schell DHSc RRT RRT-NPS RPFT/AARC President

Michael Amato MBA/ARCF Chair

Katherine Fedor MBA RRT CPFT/NBRC President

Allen Gustin Jr MD FCCP/CoARC President

The leadership of the AARC, ARCF, CoARC, and NBRC will present the most updated information affecting the profession, research, accreditation, and credentialing. This is a must-attend session in your agenda!



Shawna Strickland



Kathleen Deakins



Karen Schell



Michael Amato



Katherine Fedor



Allen Gustin

Friday, December 7

Don't Block It Out: Using Feedback to Advance Your Career

11:15 AM – 11:50 AM

**Dana Evans MHA RRT RRT-NPS,
Chicago IL**

Content Category: MGT

Bypassing feedback, even when it seems unfair, can bring your career growth to an immediate halt. This presentation will discuss ways you can accelerate your career by listening to and understanding feedback.

(Symposium) Ventilator Waveforms: Assessment and Decision Making

11:15 AM – 12:30 PM

► Ventilator Waveforms: Fundamental Concepts

11:15 AM – 11:50 AM

**Ruben Restrepo MD RRT FAARC,
Boerne TX**

Content Category: AAC

Recognizing how ventilator waveforms are displayed is critical to understand patient-ventilator interactions and to optimize the management of patients undergoing invasive mechanical ventilation. This presentation is designed to explain the foundational concepts behind every graphic displayed on the ventilator screen.

► Using Ventilator Waveforms to Support Clinical Decisions

11:55 AM – 12:30 PM

John Davies MSc RRT FAARC, Cary NC

Content Category: AAC

Ventilator waveforms can be used to detect and identify many situations that may require actions by the respiratory care

clinician. This presentation will include discussion and case-based examples of how ventilator waveforms can drive decisions at the bedside.

Competency in the Affective Domain

11:15 AM – 11:50 AM

**Sarah Varekojis PhD RRT FAARC,
Columbus OH**

Content Category: EDU

Clinical educators, managers, and program faculty all have a need to assure students and staff have appropriate affective behaviors and professional behaviors. This presentation is designed to help participants develop defensible affective domain assessments that will help ensure the delivery of quality respiratory care.

All Clear! Pediatric Airway Clearance

11:55 AM – 12:30 PM

**Katina Griffith BHS RRT,
Louisville KY**

Content Category: NPS

An evidence-based approach, this presentation will discuss the various modalities for airway clearance in the pediatric critical care environment. The discussion will include thoughts regarding the utilization of airway clearance scoring tools and therapist driven-care management recommendations.



Dana Evans



Ruben Restrepo



John Davies



Sarah Varekojis



Katina Griffith

Nuts and Bolts of Clinical Education Development

11:55 AM – 12:30 PM

**Shawna Murray MEd RRT,
Taylorsville UT**

Content Category: EDU

New equipment process and procedures require staff education. Learn the nuts and bolts of clinical education development including defining obtainable learning objectives, developing criteria specific to the learning objectives, and then measuring success. Make the most of education dollars by making the most of effective staff education!

Respiratory Therapy is Leading the Advanced Care Planning Project in This System: Learn How You Can Too!

11:55 AM – 12:30 PM

**Kim Bennion MHS RRT CHC,
Salt Lake City UT**

Content Category: MGT

Follow the presenter as she shares how Respiratory Care Clinical Services was selected to lead her corporation's Advanced Care Planning integration process. She will share how to uniquely position your service line to be the natural experts and leaders for such high-level projects and will share tools to be successful.



Shawna Murray



Kim Bennion

Closing Ceremony

12:45 PM – 2:15 PM

To Be Announced

RESPIRATORY CARE

OPEN FORUM® Symposia sponsored by



Researches and clinicians present finding of studies on aerosol therapy, mechanical ventilation, neonatal and pediatric care, education, management, and every practice mode in our profession.

Accepted abstracts will be presented in one of 3 formats:

Editors' Choice

**Tuesday and Wednesday
Dec 4-5**

Display of Editors' Choice posters with top 10 abstracts in 2018.

**Thursday
Dec 6**

Ten-minute slide presentations with slides by authors of Editors' Choice, each followed by 10-minute period of audience questions and discussion.

Poster Discussions

**Tuesday – Thursday
Dec 4-6**

Poster sessions grouped by topics. A brief oral presentation (no slides) and questions/discussion allow presenters to expand the work featured on the posters.

Posters Only

**Wednesday and Thursday
Dec 5-6**

Posters presented in sessions grouped by category, different every day.

AARC Congress 2018

Exhibitors as of 7/27/18

A

AARC
Aerogen
AG Industries - Filtration Group
Airgas Healthcare
Airon Corporation
AIT Therapeutics, Inc.
Allergy & Asthma Network
Alpha-1 Foundation
Analytical Industries, Inc
ARC Medical Inc
Aureus Medical Group

B

B&B Medical Technologies
Baitella AG
Bay Corporation
Bio-Med Devices Inc.
Biovo Technologies
(Formerly Airway Medix)
BJC Healthcare
Boehringer Ingelheim
Pharmaceuticals, Inc.
Breathe Technologies, Inc.
Bunnell Incorporated

C

Chiesi USA, Inc.
Circassia Pharmaceuticals Inc
Coalition for Baccalaureate and
Graduate Respiratory Therapy
Education (CoBGRTE)
Commission on Accreditation
For Respiratory Care (CoARC)
ConMed
Cross Country Allied
(formerly MSN Allied)

D

D R Burton
Dale Medical Products Inc.
Draeger Inc.

E

Electromed, Inc.
Elsevier
Endoclear LLC
EspriGas

F

Fisher & Paykel Healthcare Inc
Flexicare Inc.
FloSure Technologies' LLC

G

Gaumard Scientific
GE Healthcare
GEICO
Genentech
Genstar Technologies Co, Inc.
(Gentec)
Getinge
Goldstein & Associates Inc
Grand Canyon University
GVS North America

H

Halyard Health
Hamilton Medical Inc
Hill-Rom
Hollister Incorporated

I

IMT Analytics AG
(formerly IMTmedical)
IngMar Medical Ltd
Inovytec Medical Solutions Ltd.
Instrumentation Industries Inc
Instrumentation Laboratory
International Biomedical
International Biophysics
Corporation
Intersurgical, Inc

J

Jones & Bartlett Learning

K

Kettering National Seminars

L

Lambda Beta Society
Lee Memorial Health Systems

M

Mallinckrodt Pharmaceuticals
MARPAC, Inc.
Masimo
Maxtec
Medline Industries Inc
Medtronic
Mercury Medical
Methapharm
MGC Diagnostics
Mindray
MIR - Medical International
Research
Monaghan Medical Corporation
Morgan Scientific
Mylan Inc.

N

National Board For Respiratory
Care (NBRC)
nnd Medical Technologies
Neotech Products LLC
Nephron Pharmaceuticals
NEVAP
Nova Biomedical

P

Passy-Muir Inc
Percussionaire Corp
Perma Pure
Philips Healthcare
Pima Medical Institute
Praxair Healthcare Services
Precision Medical, Inc.
Pulmodyne
Pulmonary Fibrosis Foundation

R

Radiometer America Inc.
ResMed
Respiralogics
RespirTech
RT/Sleep Review

S

Salter Labs
Seoil Pacific Corp.
Shinano Kenshi Corporation
Siemens Healthineers
Smiths Medical
SoClean Inc.
SunMed
Sunovion Pharmaceuticals

T

Teleflex
The University of Chicago Medicine
TRACOE medical GmbH
Trajecsys Corporation
Tri-anim Health Services
TSI, Inc.

U

UCLA Health
University of Virginia Health System

V

Vapotherm, Inc.
Venner Medical International
Ventec Life Systems
Ventisim
VibraPEP
Vyair Medical

Z

ZOLL Medical Corporation

Registration and Fees

REGISTRATION FEES

Payment of appropriate 4 Days fee entitles registrant to attend all Congress 2018 official lectures, activities and social events December 4–7. Expenses for hotel, parking, meals and all other incidentals are not included and are the responsibility of the attendee.

Congress (4 Days)	Through Oct 8	After Oct 8 And On-site
AARC Member	\$430	\$485
AARC Senior Member	\$110	\$125
AARC Student Member	\$45**	\$80**
Non-member	\$600*	\$625*
Non-member Student	\$60***	\$100***
Guest	\$75**	\$75**

*You may become an AARC Member prior to registering (www.aarc.org). If you opt to pay the non-member Congress 4 days fee, you are entitled to a complimentary 12-month AARC membership. Memberships included in the non-member rate will be activated within 30 days after Congress 2018.

Congress Daily Fees (Must register on-site)	Tuesday or Wednesday or Thursday	Friday
AARC Member	\$235	\$175
AARC Senior Member	\$60	\$40
AARC Student Member	\$45**	\$35**
Non-member	\$360	\$275
Non-Member Student	\$60***	\$50***
Guest	Not Available	Not Available

**Students and guests do not earn CRCE credit.

***Non-member students must provide proof of current enrollment (e.g. student I.D. or transcript). Students do not earn CRCE credits.

Active Duty Military

We have a special offer for all health care professionals, not just respiratory therapists, on active duty in all branches of the US armed forces, as well as military reservists recalled to active duty. A valid military email address is required. Go to <http://tinyurl.com/registration-aarc-congress2018>.

Congress Day Tripper Package

A cost-saving group rate is available for AARC members and non-members: four 1-day pre-paid vouchers for \$700. See page 89 for complete details.

Terms & Conditions

PAYMENT

By credit card: American Express, MasterCard, and VISA are the only credit cards accepted.

An email acknowledgement will be sent following the transaction confirming payment.

By check: Registration is NOT complete until check payment has been received. At the conclusion of the registration process, an email confirmation will be sent highlighting the details of your purchase. This email will double as your "invoice" should you need to submit documentation for the payment of your registration.

Students: Non-Member students must provide valid, current student identification (e.g. student I.D. or transcript) during registration or higher registration fees will apply.

Cancellation Protection: Congress 2018 cancellation protection may be purchased for \$37 at the time of registration only. Those purchasing this option may cancel for any reason and receive a 100% refund. Protection covers the total amount paid for AARC Congress 2018 registration fees, purchased pre-courses and/or meeting add-ons (e.g. drink tickets, Gold/Platinum/VIP Passes, etc.). Cancellation protection is not available for students. Registration and cancellation protection must be purchased together.

Cancellation: A written cancellation and refund request is required via e-mail. Emails must be dated no later than Sunday, December 2, 2018 at 11:59 pm. No refund requests will be accepted after that date. Refunds will be processed after the meeting. Send request to aarc@xpressreg.net.

Unless cancellation protection is purchased, refunds will be equal to the total amount paid minus a \$200 administrative fee. Cancellations by students will receive a refund minus a \$25 administrative fee. Fees will not be refunded for no-shows.

Substitution: Registration for those unable to attend may NOT be applied to a future year's meeting. Registration transfers are permitted with a paid administrative fee of \$35. If the substitute is not an AARC member, payment of the difference between the member and non-member fees will also be required. Substitution requests must be submitted in writing by Monday, November 26, 2018 and sent via email to aarc@xpressreg.net.

Badge Replacement: If an attendee misplaces or loses a badge once it is printed onsite, the registered individual must pay \$25 to get a replacement badge.

Your Likeness & Personal Information:

The AARC plans to take photographs and video, and reproduce them in educational, news or promotional material, whether in print, electronic or other media, including the AARC website. By participating in

AARC Congress 2018 you grant the right to use your name or voice for such purposes to the AARC. All content becomes the property of the AARC. Content may be displayed, distributed or used by AARC for any association-related purpose.

AARC offers exhibitors the option to use lead retrieval technology. Information shared through that technology includes basic contact information and limited demographic information for each attendee. This information is shared by way of the exhibitor scanning an individual's badge with the individual's consent in the confines of the exhibitor's booth in the Exhibit Hall. Agreeing to have your badge scanned by an exhibitor is providing consent for this information to be shared with that exhibitor.

Exhibitor communications may be sent to those attendees who "opt in" to receive them. If you "opt out", you will be excluded from these communications. All exhibitor communications will be sent to you through a 3rd party email vendor. Your email address will **NEVER** be shared with any exhibitor unless you do so voluntarily.

Should you choose to register for an industry-sponsored educational symposium, please know that by doing so you are voluntarily providing the symposium sponsor with select demographic information that they may use for direct marketing purposes.

Photography/Video: No individual or entity other than the AARC may record (audio or video) any portion of AARC Congress 2018 for any purpose without the prior written consent of the AARC.

Digital photos of PowerPoint slides are prohibited. All presented content is the intellectual property of the lecturer. Presenters (at their discretion) may choose to share their slide deck via the mobile event app, otherwise requests for slide decks must be made directly with the presenter.

Minors: Due to the cost and complexity of displayed equipment in the Exhibition, minors under the age of 13 will not be permitted in the Exhibit Hall for any reason. Children ages 13-17 (with prior approval from Show Management) may participate in all Congress-related functions with an adult escort and must pay the appropriate Guest registration fee. Requests should be directed to: Annissa Buchanan at annissa.buchanan@aarc.org or 972-243-2272.

Marketing Products/Services During

the Meeting: Only confirmed exhibitors may market products or services to meeting attendees or other exhibitors. Paying attendees are not permitted to do so.

Removal from Premises: The AARC reserves the right to remove any attendee/exhibitor from the premises without refund.

Registration (continued)

Pre-Congress Courses

- Pre-courses will be held on Monday, December 3, 2018.
- Pre-Courses run concurrently. You may register for only one of the courses.
- You must attend the entire course to receive CRCE credit; no partial credit will be given.
- Students do not receive CRCE credit.
- Course capacities are limited.
- Pre-registration is required. Deadline: Tuesday, November 13, 2018 or when the course is full.

AARC PRE-COURSES

Challenges In Mechanical Ventilation: An Interactive Approach

8:00 am – 4:45 pm (Lunch is on your own)

AARC member: \$120 Senior member: \$30
Student member: \$20* Non-member: \$155

Women in Leadership

1:00 pm – 5:00 pm

AARC member: \$75 Senior member: \$20
Student member: \$15* Non-member: \$100

**Students do not receive CCE credit.*

INDUSTRY-SPONSORED PRE-COURSE

Teleflex

Ultrasound-Guided And Emergent Vascular Access Simulation Workshop

8:00 am – 12:00 pm

AARC member: \$75 Senior member: \$20
Student member: \$15* Non-member: \$100

**Students do not receive CRCE credit.*

To Register

Go to <http://tinyurl.com/registration-aarc-congress2018>.

Receipts

A receipt for your registration fee(s) will be emailed to you when your registration is complete. Present this receipt on-site to receive your name badge and your registration packet(s).

On-site Congress Registration Hours

Monday, December 3	10:00 am – 6:00 pm
Tuesday, December 4	7:00 am – 4:00 pm
Wednesday, December 5	7:30 am – 4:00 pm
Thursday, December 6	8:00 am – 4:00 pm
Friday, December 7	8:00 am – 10:00 am
	8:00 am – 2:00 pm—CRCE Assistance Available

Travel and Monorail Discounts

Discounts are offered to AARC Congress attendees, exhibitors, family members, and friends.

The air, car and shared-ride shuttle discounts are valid for the McCarran International Airport (LAS) [www.mccarran.com]. The airport is approximately 15 minutes away from the Mandalay Bay Resort and Convention Center/Delano Las Vegas.



- **Online** at www.budget.com. Enter the **BCD** number, **U064639**, to receive the discount.
- **Call** 800-842-5628. Refer to **BCD** number **U064639**.



- **Online** at www.enterprise.com. Enter Discount Rate Code **L9D0194** in the "Promotion Code" box.
- **Call** 800-736-8222. Refer to Discount Rate Code **L9D0194**.



- **Online** at www.hertz.com. Enter **049T0014** in the Convention Number (CV) discount code box.
- **Call** 800-654-2240 or 405-749-4434. Refer to Convention Discount Number **049T0014**.

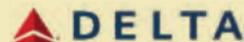


SuperShuttle is offering a 10% discount off the shared-ride fare from McCarran International Airport (LAS). To receive the discount, tickets must be pre-purchased online at least 48 hours in advance. Go to www.supershuttle.com and enter code **APE54**. Additional coupons cannot be combined.

TAXI

Fares shown are for up to five people in the vehicle.

- Some taxis will not accept credit card payments. Notify the attendant or driver beforehand if you plan to use a credit card.
- There is a \$2 charge on all fares originating at the airport.
- McCarran International Airport (LAS) to the Mandalay Bay and Delano:
\$22-\$26 (includes an Airport Sitting Fee)
- Hotel to McCarran International Airport (LAS):
\$20-\$24



- **Online** at delta.com. Choose "Advanced Search" and enter Meeting Code **NMRMJ**.
- Call Delta Meeting Network at (800) 328-1111. Refer to Meeting Code **NMRMJ**.



- **Online** at www.united.com. Click "All Search Options". On the "Book a Flight" page, enter **ZEU3345071** in the Offer Code box under "Promotions and Certificates".
- **Call** United Reservations Meetings Desk at 800-426-1122. Refer to **Z** code **ZEU3** and Agreement Code **345071**.



The **Las Vegas Monorail** is offering AARC Congress 2018 attendees fare discounts. Use the Monorail to get around the Las Vegas Strip without the hassles of traffic and wasted time. Buy tickets online at tix.lvmonorail.com/AARC2018.



Uber and Lyft pick up and drop off in Terminal 1 and Terminal 3 at the LAS airport.

AARC Congress 2018 in Las Vegas, Nevada

Site

The Mandalay Bay Resort and Convention Center, including the attached Delano Las Vegas, is the headquarters hotel and site of all official Congress pre-courses, lectures, exhibits, and social functions. Delano Las Vegas is an all-suite boutique luxury tower. All sleeping rooms in both properties are non-smoking. The hotel complex is located at 3950 Las Vegas Blvd South, Las Vegas NV 89119, USA.

Housing Instructions

ALERT: Unauthorized housing entities are contacting attendees and exhibitors to book Las Vegas hotel reservations. **Only the phone numbers and link shown on page 88 are authorized by the AARC.**

Neither the AARC, nor our hotel's Housing Department, will be making unsolicited calls regarding hotel reservations. Booking through an unofficial housing company puts you at risk for losing significant deposits and hotel reservations, and incurring hidden costs.

Mandalay Bay Resort

With Strip and mountain views through floor-to-ceiling windows, each room features marble spa tubs and separate showers, 42" plasmas and one king or two queen size lofty pillow-topped beds.

Delano Las Vegas

Each suite features a private bedroom with a king or two queen size beds, a spacious spa-style bath, and separate living room with a wet bar and its own powder room. The number of these suites is limited.

(Continued on page 88)



Las Vegas, NV



Hotel Information

AARC Congress 2018

Reservation Deadline

Wednesday, November 7 is the deadline to make your reservation at the AARC discounted rates. After this date, the official AARC room blocks will be released by the hotel and they may charge significantly higher rates for any rooms that are still available.

Rates

- The nightly rates shown below are for single/double occupancy.
- Rates are a plus a nightly \$23 resort fee and 13.38% tax (subject to change without notice).
- Resort fee includes:
 - » In-room high speed wireless Internet
 - » Cardio Center admission (does not include Spa access)
 - » Daily newspaper
 - » Local and toll-free number calls
 - » Outgoing faxes at the hotel Business Center
 - » Boarding pass printing at the hotel Business Center

	Mandalay Bay	Delano
Rate (single/double)	\$144	\$169

Make Your Reservation

- **Online** at <http://tinyurl.com/housing-aarc-congress2018>.
- or **Call** the hotel's Group Services at 702-632-9000 or toll-free at 877-632-9001. Tell the agent that the name of the meeting is "AARC Congress 2018".

First Night Deposit

- All reservation requests must be accompanied by a credit card. The card will be charged the first night's room rate and tax at that time in order to guarantee the reservation. Attendee may then send a check and the credit card will be refunded for prior payment collected.

Cards must be valid through December 2018.
Cards accepted: American Express, Discover, MasterCard, Visa.

Check Policy

- Guests who would like to pay the initial deposit or any room, resort fee and tax in the form of a personal check, business check, or a cashier's check may do so as long as the check is received no less than 14 days prior to the check-in date.
- If a personal, business, or cashier's check is received less than 14 days prior to guest arrival, the check will be returned unprocessed and the reservation will remain guaranteed under the credit card used to secure the deposit.

Credit/Debit Card Charges

- The credit or debit card used to reserve your reservation will be required for check in upon arrival. If paying with a credit card, you must present the credit card at check-in unless a previously arranged third party credit card authorization is completed for the booking. If you are not the credit card holder, please contact Room Reservations at 702-632-9000 or toll-free at 877-632-7800 for details on the credit card policy.
- The hotel will place an authorization against the card account to cover applicable charges for room, taxes and resort fees, as well as a \$100 incidental amount per day (up to a maximum of \$400) to allow you access to room charging privileges and may result in additional authorizations should your charges exceed the originally approved amount. Guests using a debit card in place of a credit card acknowledge unused funds are released upon check-out and may take 3-10 business days for domestic banks and up to 30 days for international banks to become available through their financial institution.

Special Requests

Special requests cannot be guaranteed; however, the hotel will do their best to honor all requests. The hotel will assign specific room types upon check-in, based on availability.

Acknowledgement/Confirmation Numbers

- Internet reservations: Print the page at the end of the reservation process that shows your **acknowledgement number**. You will also receive an e-mail acknowledgement.
- Phone reservations: You will receive an **acknowledgment number** from the agent and can request an e-mailed acknowledgement.
- Changes made to a reservation after the November 7 deadline will receive a **confirmation number**. That number will cross-reference to the original reservation acknowledgement number.

Cancellations/Refund of Deposit

The first night's deposit is fully refundable provided a notice of cancellation is received by Room Reservations at 877-632-7800 at least seventy-two (72) hours prior to the arrival date. Cancellations less than 72 hours before your scheduled arrival (and no shows) will result in a forfeiture of the first night's deposit.

Reward your staff with a trip to Congress

Day Tripper Group Package \$700

Package includes: 4 one-day vouchers to AARC Congress 2018. Price equates to \$175 per day, a savings of about 25% from the daily full-day registration rate for AARC members.

This year the AARC is again offering everyone a flexible opportunity to attend this premier event.

Individual Attendees... Want to attend AARC Congress 2018, but can't get the time off from work for all 4 days of the meeting? Perhaps a single day registration is more affordable and right up your alley. The AARC Day Tripper Package is a great opportunity for you and three other therapists to attend the 4-day event that is loaded with education, exhibits, networking, and many other activities.

Managers... Maybe you've wanted to send your staff in the past, but your budget can't absorb multiple, 4-day registrations. Even more importantly, department staffing won't let you give multiple employees off all at the same time.

Here's how it works:

- Order the Day Tripper Voucher Package any time between now and Tuesday, November 13.
- You will receive 4 one-day vouchers to Congress 2018 in Las Vegas.
- Each voucher is good for one person for any one of the 4 days of Congress (December 4–7).
- The attendee brings the voucher to the Onsite Registration counter on the desired day and uses it to register for that day.

- The attendee has all the same privileges as other attendees who purchase a one-day registration onsite at the rate of \$235 for members or \$360 for nonmembers, a savings of up to \$185 per person!

Benefits to Attendees

- Earn CRCEs at premier educational programs
- Opportunity to visit the largest respiratory care exhibit hall in the world
- Network with other professionals and meet the "who's who" in respiratory care

Make it easy on yourself:

- Collaborate with your colleagues and decide at the last minute whom will attend—or change it if circumstances change.
- Mix and match any way you want. A different person can attend each day. Or 4 people can all attend on one day. Or 2 people can use vouchers for 2 days each. Make it work for you and your schedule.
- Anyone you select can attend... members or non-members.

Answers to FAQs:

- Day Tripper is a special advance purchase program available only between now and Tuesday, November 13.
- Payment is required in advance with a check or credit card. Sorry, no purchase orders.
- Purchase of a Day Tripper package will be a stand-alone transaction. It cannot be combined with a Congress registration purchase.
- **The package is nonrefundable.**
- Vouchers may be used by AARC members or nonmembers.

- Vouchers are fully transferable by the purchaser or within the purchasing company, and are not specific to a day of the event or to an individual. They may be used at any time during AARC Congress 2018.

• *Lectures will be presented December 4–7, Tuesday through Friday. Note that exhibits are open December 4–6 only.*

- Registration for specific names and dates is not required in advance. The attendee simply brings the voucher to the Onsite Registration counter upon arrival.
- Vouchers can be used on four different days, or all on the same day, by 1 person for 4 days, 2 people at 2 days each, or 4 people each attending one day... or any one of the many different combinations. The choice is yours!

To take advantage of this great Day Tripper package visit <http://tinyurl.com/daytripper-aarc-congress2018>.

Questions?

Contact info@aacr.org or call Customer Service at (972) 243-2272.