

AARC Congress 2019

The 65th International Respiratory
Convention & Exhibition



Advance Program

Ernest N. Morial Convention Center • New Orleans, LA
November 9–12, 2019 (Sat–Tue) • AARC.org

Welcome To AARC Congress 2019


Where RTs Are the Main Act

From the welcome you receive when you walk into the convention center to the cheers and applause you hear as you leave the Closing Ceremony, you'll be the star attraction at AARC Congress 2019.

This premier meeting of the year in the respiratory care profession is designed by RTs, for RTs, and whether you are a manager or educator or bedside therapist you'll find educational sessions targeting your specific area of practice. Cutting edge ventilator modes will be explained. New regulations coming out of Washington, DC, will be clarified. And forward-looking opportunities like telehealth will be addressed.

The Exhibit Hall promises to deliver the latest technology in the field as well, and you'll find networking opportunities around every corner, in fun and entertaining social settings and informal get-togethers alike.

It's all geared to helping you provide the best possible care to people suffering from lung disease, because for those people, quality care depends on the skills and expertise of the RT. Think of it as a spa treatment for your career. You'll go home rejuvenated and ready to redouble your efforts on behalf of your organizations and your patients.



Unless specified differently, all Congress events will be held at the Ernest N. Morial Convention Center.

The 65th International Respiratory Convention & Exhibition

On behalf of AARC President Karen Schell and the Board of Directors, we invite you to attend the largest respiratory care meeting in the world. At AARC Congress 2019 in New Orleans, 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, post-acute care, diagnostics, transport, management, education, and sleep, all presenting the most current and cutting-edge information.

Read through this program and very rapidly you will realize why you must come to New Orleans and be part of the largest and most comprehensive respiratory care meeting anywhere in the world... AARC Congress 2019.

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

Sarah L Varekojis PhD RRT FAARC — *Chair*

Kim Bennion RRT MSHS CHC

Dana Evans MHA RRT RRT-NPS

Thomas Lamphere BS RRT-ACCS RPFT FAARC

Brady Scott MS RRT FAARC

Kimberly Wiles RRT CPFT

Richard Branson MSc RRT FAARC — *Consultant*

Douglas Laher MBA RRT FAARC — *Staff Liaison*

Pre-Courses



The Burden of Asthma and Emerging Therapies

1:00 PM – 5:00 PM

DESCRIPTION: According to the CDC, asthma control in the United States is lacking. This symposium will discuss the socioeconomic burden of asthma in the U.S. and the burden it places on our health care system. Attendees will learn to sharpen their assessment skills and better understand the role of phenotyping as a diagnostic tool. Course faculty will also discuss management strategies of asthma to include pharmacologic management and the role of biologics.

Course capacity is limited. Deadline for registration is Wednesday, October 16, 2019 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.

Content Category: PFT

The Burden of Asthma

1:00 PM - 1:55 PM

Kathleen Ververeli MD, Allentown PA

As reported by the CDC, asthma control in the United States is lacking. This presentation will discuss the socioeconomic burden of asthma in the US as well as the stressors on the health care system.

To properly care for the patient with asthma, clinicians should be able to select the most appropriate medication and delivery device. This presentation will focus on the pharmacologic management of the patient with asthma.

Phenotyping for Asthma

3:35 PM - 4:15 PM

Maeve O'Connor MD FACP

The GINA guidelines suggest that patients with severe asthma may benefit from phenotyping. This presentation will define phenotyping and how this testing method can assist in the development of a treatment plan for severe asthma.



Kathleen Ververeli



Douglas Gardenhire

Update on Assessment and Diagnosis of Asthma

2:00 PM - 2:40 PM

Maeve O'Connor MD FACP, Charlotte NC

Accurate patient assessment is vital to determining an appropriate diagnosis of asthma. Those in attendance will enhance their assessment skills and be educated on updates from national organizations on the assessment of the asthmatic patient.

The Role of Biologics in the Treatment of Asthma

4:20 PM - 5:00 PM

Kathleen Ververeli MD

Not all patients with asthma respond to standard pharmacologic intervention. The evidence suggests that biologic agents may promote positive outcomes in these situations and increase quality of life.

Pharmacologic Management for Asthma

2:45 PM - 3:25 PM

Douglas Gardenhire EdD RRT FAARC, Atlanta GA

Women in Leadership: Moving Forward

1:00 PM – 5:00 PM

DESCRIPTION: Recent studies show that women remain significantly underrepresented among senior leadership despite the perception of progress. There are many assertions made to account for this gap but examining our own biases and stereotypes can help illuminate some of the existing challenges. Women possess many desirable leadership qualities, including building relationships, inspiring and motivating others, and practicing self-development.

This symposium will focus on leveraging these qualities for success through sessions that address re-framing challenges women encounter as they aspire to leadership roles, ensuring readiness and success with career transitions, and leveraging teams for success. This pre-course is designed for both women and men and for both emerging and current leaders.

Course capacity is limited. Deadline for registration is Wednesday, October 16, 2019 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

Content Category: EDU

Introduction

1:00 PM - 1:15 PM

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

Recent studies show that women remain significantly underrepresented among senior management despite the perception of progress. This symposium will focus on key areas that will impact your career.

Part of working with others is developing a knowledge of people’s strengths and weaknesses. We know who can get a job done. Breaking out of those perceptions is essential when you want to position yourself for promotion. The presenter will discuss how to set the stage for your next career transition.



Sarah Varekojis

Reframing Career Challenges

1:15 PM - 2:10 PM

Lori Tinkler MBA, Overland Park KS

Just as strategic planning is an ongoing part of business development it should also be an ongoing part of your career development. The presenter will discuss the challenges faced when we try to change course or adjust our career trajectory. Learn ways to step back and change your view.

Leveraging Teams for Success

3:25 PM - 4:20 PM

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

It’s been said before for many things, “it takes a village.” Our careers are no different. Working in teams can benefit the company, group, and the individual members. Learn how to leverage your teams for success in this presentation.



Lori Tinkler MBA

Positioning for Career Transitions

2:20 PM - 3:15 PM

**Shelley Mishoe PhD RRT FAARC,
Virginia Beach VA**

Panel Discussion

4:25 PM - 5:00 PM

Our three speakers sit down to discuss their lessons learned and dig deeper into hot topics from the day.



Shelley Mishoe



Valerie David

Saturday



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 It's COPD - Dammit!

9:35 AM - 10:25 AM

Ted Koppel, Award Winning
Broadcast Journalist

Opening of the Exhibit Hall

10:30 AM

Karen Schell DHSc RRT RRT-NPS RPFT
AARC President / *Presiding*

The 2019 AARC President opens the Exhibit Hall. As the gold standard of all respiratory care meetings, AARC Congress 2019 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!



Thomas Kallstrom



Ted Koppel



Karen Schell

Sputum Bowl Preliminaries

Supported by



Further Together

8:00 AM - 6:00 PM

**Thomas Lamphere RRT RPFT FAARC/
Presiding**

Student teams from the AARC State Societies compete in the preliminary competitions. The top four teams will face off in the Finals on Monday, November 11th.

Presenting an OPEN FORUM Abstract

11:00 AM - 12:00 PM

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

**Teresa Volsko MBA RRT FAARC,
Canfield OH**

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 Editors' Choice and Poster Only presentations will be reviewed.

Orientation for 1st Time Attendees

11:00 AM - 12:00 PM

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

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

This lecture will provide tips from previous Congress attendees to help make the most of this year's meeting including lessons learned, prioritizing lectures, and take-home highlights.

OPEN FORUM® – Poster Discussions #1

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.



Richard Branson



Teresa Volsko



Karen Schell



Sarah Varekojis

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 2019.

OPEN FORUM® – Poster Discussions #2

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.

(Symposium) Case Studies in Ethics

1:30 PM – 4:05 PM

► Who Gets to Decide? Case Studies in Autonomy

1:30 PM - 2:05 PM

Melissa Ash RRT RRT-ACCS AE-C, Downingtown PA

Content Category: ETH

In the US, ethical decision-making is typically based on ethical principles: autonomy, beneficence, non-maleficence, and justice. This presentation will showcase the principle of autonomy as the presenter explores how autonomy can be upheld and violated in various case studies.

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

► Define “Good”: Case Studies in Beneficence

2:10 PM - 2:45 PM

Shawna Strickland PhD RRT FAARC, Irving TX

Content Category: ETH

In the US, ethical decision-making is typically based on ethical principles: autonomy, beneficence, non-maleficence, and justice. This presentation will showcase the principle of beneficence as the presenter explores the definition of “good” and how this principle emerges in various case studies.

► But First...Do No Harm: Case Studies in Non-Maleficence

2:50 PM - 3:25 PM

Stephanie Williams BS RRT, Nashville TN

Content Category: ETH

In the US, ethical decision-making is typically based on ethical principles: autonomy, beneficence, non-maleficence, and justice. This presentation will showcase the principle of non-maleficence as the presenter explores how non-maleficence is a complex component through various case studies.

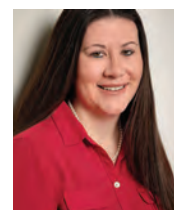
► Fair Play: Case Studies in Justice

3:30 PM - 4:05 PM

Joel Brown BS RRT FAARC, Oxford PA

Content Category: ETH

In the US, ethical decision-making is typically based on ethical principles: autonomy, beneficence, non-maleficence, and justice. This presentation will showcase the principle of justice as the presenter explores how justice manifests and can be difficult to manage in various case studies.



Melissa Ash



Shawna Strickland



Stephanie Williams



Joel Brown

**(Symposium)
Patient Assessment**

1:30 PM – 4:05 PM

► ECG Interpretation: Rhythm Strips

1:30 PM - 2:05 PM

Kyle Mahan MSM RRT, Louisville KY

Content Category: CLP

This lecture will review concepts related to basic ECG rhythm strips respiratory therapists encounter in the acute care environment. Special emphasis will be placed on components of the ECG tracing, systematic rhythm strip interpretation, and recognition of various ECG normal and abnormal findings.

► ECG Interpretation: 12-Leads

2:10 PM - 2:45 PM

Sara Mirza MD MS, Chicago IL

Content Category: CLP

This lecture will provide an overview of the 12 lead ECG and its usefulness in diagnosing pathologic conditions in the acute care environment. Emphasis will be placed on the systematic interpretation of 12 lead ECG's and recognition of normal and abnormal conditions.

► Hemodynamic Monitoring in Adult Acute Care: A Case-Based Review

2:50 PM - 3:25 PM

David Vines RN RRT FAACP, Winfield IL

Content Category: CLP

Hemodynamic instability is common in the intensive care environment. This lecture will use clinical cases to discuss various hemodynamic parameters and how they might impact clinical decision making.

► Essential Skills for Rapid Response Assessment

3:30 PM - 4:05 PM

Eric Kriner BHS RRT, Washington DC

Content Category: CLP

Respiratory therapists are integral parts of rapid response teams. This lecture will review essential skills that respiratory therapists need to have when faced with patients that are acutely ill. Emphasis will be on rapid assessment and interpretation of unstable vital signs, acute mental status changes, and the potential for airway compromise.

**(Symposium)
Preventing Readmissions with NIV**

1:30 PM – 2:45 PM

► Preventing Readmissions with NIV

1:30 PM - 2:05 PM

Kimberly Wiles BS RRT FAARC, Kittanning PA

Content Category: CLP

Frequent hospital readmissions for exacerbation of COPD with hypercapnic respiratory failure. This lecture will discuss methods to identify appropriate patients and improve patient compliance with NIV in the home.

► The Future of Noninvasive Positive Pressure Ventilation in the Home

2:10 PM - 2:45 PM

Zach Gantt RRT, Livingston TN

Content Category: CLP

Noninvasive Positive Pressure Ventilation (NPPV) in the home has proven to be a roller coaster of success, failures, audits, and outcomes over the last 20 years. This presentation will outline how data has progressed this service and what data is needed to continue to prove the viability of NPPV, both from a device and respiratory service perspective.



Kyle Mahan



Sara Mirza



David Vines



Eric Kriner



Kimberly Wiles



Zach Gantt

Experience: Revisiting Patient Perspective

1:30 PM - 2:05 PM

**Tim Gilmore PhD RRT AE-C,
Shreveport LA****Content Category: CLP**

This presentation will remind caregivers of clinical and other implications of common practice interventions. It will bring research-based evidence as well as thought-provoking anecdotal reminders to light that encompass the long-term effects beyond simple HCAHPS scores. The real-time and long-term clinical implications of certain procedures and/or interventions of certain common bedside practices will also be discussed.

That's Not the Way We Do It Here – How to Standardize Competencies within a Hospital System

1:30 PM - 2:05 PM

**Matthew Jurecki BS RRT,
Lakewood OH****Content Category: EDU**

In recent years, independent hospitals have been absorbed into larger hospital systems. Respiratory therapists often float between hospitals within the same health system and this can be a cause for concern related to competencies. This presentation will discuss how to standardize competencies within a health system.

A Better Bronchoprovocation Test: Why Utilizing A Resistance Parameter Makes Sense!

1:30 PM - 2:05 PM

**Matthew O'Brien RRT RPFT FAARC,
Madison WI****Content Category: PFT**

Bronchoprovocation testing, whether indirect or direct, can benefit from the addition of the measure of airway or respiratory system resistance. This presentation outlines how to easily integrate body plethysmography or oscillometric methods into your bronchoprovocation test.

Respiratory Unknowns: A Case-Based Presentation

1:30 PM - 2:05 PM

**Bruce Rubin MBA MD MHA,
Henrico VA****Content Category: NPS**

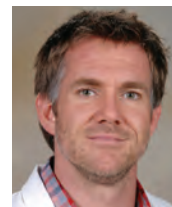
How good are your diagnostic skills? A master clinician will present a series of interesting "unknowns" in pediatric respiratory care. Can you make the diagnosis? Attend this session to test your knowledge. Time will be allocated for discussion with the audience.

How Do Your Leadership Skills Measure Up?

1:30 PM - 2:05 PM

**Teresa Volsko MBA RRT FAARC,
Canfield OH****Content Category: MGT**

Leadership is an elusive concept with vague and ambiguous rules. This presentation will focus on the art and science of leadership. Discover insights into better practices to produce movement and constructive or adaptive change by establishing direction through visioning, aligning people, motivating, and inspiring.



Tim Gilmore



Matthew Jurecki



Matthew O'Brien



Bruce Rubin



Teresa Volsko

**(Symposium)
Cardiopulmonary Exercise Testing**

2:10 PM – 4:45 PM

► Indications & Physiologic Response to Cardiopulmonary Exercise Testing

2:10 PM - 2:45 PM

Kaiser Lim MD, Rochester NY

Content Category: PFT

Cardiopulmonary exercise testing (CPET) is used to evaluate complaints of reduced exercise tolerance in subjects secondary to an unknown origin. We will describe the clinical utilization of CPET and overall testing process. The presenter will also discuss the normal cardiac and ventilatory responses to an incremental exercise test.

► The Role of Exercise Testing in Improving Rehabilitation Outcomes

2:50 PM - 3:25 PM

William Stringer MD, Torrance CA

Content Category: PFT

Pulmonary rehabilitation outcome measurements are needed to demonstrate program benefit and support program utilization. This lecture will discuss the utility of cardiopulmonary exercise testing in tailoring the exercise program and assessing outcomes.

► VO2 Testing or Six-Minute Walk: Which One Is Best?

3:30 PM - 4:05 PM

Kaiser Lim MD

William Stringer MD

Content Category: PFT

Cardiopulmonary exercise testing (CPET) is the gold standard in identifying a specific limitation or change in exercise tolerance. The six-minute walk test has increasingly been used to define exercise tolerance and follow exercise outcomes in patients with chronic disease. This pro/con will describe the role of each procedure and debate which is more appropriate to assess a specific clinical outcome.

► Quality Assurance in the Exercise Lab

4:10 PM - 4:45 PM

Katrina Hynes MHA RRT RPFT, Rochester MN

Content Category: PFT

Cardiopulmonary exercise testing (CPET) uses a variety of sophisticated equipment integrated with computer software to calculate minute ventilation, oxygen consumption, and a plethora of derived values. As they say, “garbage in, garbage out.” This lecture will describe the use of BioQC for CPET and their statistical targets.



Kaiser Lim



William Stringer



Katrina Hynes

Exhibit Hall Hours:

Saturday, Nov. 9, 10:30 am – 4:00 pm

Sunday, Nov. 10, 9:30 am – 3:00 pm

Monday, Nov. 11, 9:30 am – 2:00 pm



Year in Review

2:10 pm – 5:25 pm

Asthma

2:10 PM - 2:45 PM

Michael Davis RRT, Richmond VA

Content Category: CLP

This lecturer will describe the best papers published in 2019 related to asthma.

High Flow Nasal Oxygen in Adults

2:50 PM - 3:25 PM

Jie Li MSc RRT, Forest Park IL

Content Category: AAC

This lecturer will describe the best papers published in 2019 related high flow nasal cannula.

Secretion Clearance in Ventilated Patients

3:30 PM - 4:05 PM

Richard Branson MS RRT FAARC, Beaufort SC

Content Category: AAC

This lecturer will describe the best papers published in 2019 related to secretion clearance in mechanically ventilated patients.

Patient Ventilator Synchrony

4:10 PM - 4:45 PM

Robert Chatburn RRT RRT-NPS MHHS, Cleveland OH

Content Category: AAC

This lecturer will describe the best papers published in 2019 related to ventilator synchrony.

Aerosol Therapy

4:50 PM - 5:25 PM

Ariel Berlinski MD FAARC, Little Rock AK

Content Category: CLP

This lecturer will describe the best papers published in 2019 related to aerosol therapy.



The 65th International Respiratory Convention & Exhibition



Michael Davis



Jie Li



Richard Branson



Robert Chatburn



Ariel Berlinski

Pulmonary Rehabilitation: The Respiratory Residency – Do You Have One?

2:10 PM - 2:45 PM

Shawna Murray MHS RRT CHC, Salt Lake City UT

Content Category: EDU

A residency for new graduates can support them as they transition from student to professional while on-boarding to facility-specific equipment and processes. Evidence shows that new graduates to the health care profession need a framework to help them get their feet beneath them while running to keep up with the pace of change and the challenges of the industry. Innovations to material presentation allows the new employees to grow and learn while making important connections and friendships.

Shared Governance: Stop Telling Your Team and Start Asking

2:10 PM - 2:45 PM

Matthew Pavlichko MS RRT RRT-NPS, Myerstown PA

Content Category: MGT

Employee engagement is becoming a priority metric in the hospital/health care industry. The Shared Governance theory is a way to engage and develop health care employees. This presentation describes the history, purpose, and structure of shared governance as well as how it can improve employee engagement while driving quality and process improvement.

Mechanical Ventilation of Pediatric Patients with Acute Brain Injury

2:10 PM - 2:45 PM

Jordan Rettig MD, Boston MA

Content Category: NPS

Many factors must be taken into consideration when ventilating a pediatric patient with acute brain injury. The presenter will discuss neurological breathing patterns, cerebral blood flow, and the impact of brain injury on the lung

(Symposium)

ALS Updates: What’s New, What’s Going Well, What’s on the Horizon?

2:50 PM – 4:45 PM

▶ALS Multidisciplinary Clinics - A Model That’s Making a Difference

2:50 PM - 3:25 PM

Cynthia Knoche RRT BBA, Ponte Vedra Beach FL

Content Category: CLP

While amyotrophic lateral sclerosis (ALS) remains a fatal disease with no identified cure, studies show that attending an ALS multidisciplinary clinic prolongs survival. Collaboration with multidisciplinary team members maximizes care options and supports patients’ desired quality of life outcomes. ALS patients rely on the expertise of both the clinic and home care therapist to evaluate, recommend, and manage their complex and ever-changing ventilation requirements.

▶ALS: Identifying Successful Respiratory Interventions

3:30 PM - 4:05 PM

Stephen Kantrow MD, New Orleans LA

Content Category: CLP

The five years since the Ice Bucket Challenge have brought advances in research, clinical trials, and new medications, yet ALS patients continue to face their most challenging issue – respiratory failure. This lecture will review ALS pathology and discuss successful



Shawna Murray



Matthew Pavlichko



Jordan Rettig



Cynthia Knoche

respiratory interventions that support prolonged survival and quality of life.

► **Multidisciplinary Team Approach for ALS Patients in the Home**

4:10 PM - 4:45 PM

Brian Timon BS RRT, Austin TX

Content Category: CLP

ALS is a progressive disease that requires a multi-disciplinary team to develop and implement individualized care plans. The RT is a key member of this team and must be able to recognize challenges inherent with ALS and be competent in patient assessment and treatment modalities.

Inhaled Medications in Cystic Fibrosis

2:50 PM - 3:25 PM

**Ariel Berlinski MD FAARC,
Little Rock AK**

Content Category: NPS

Inhaled medications are widely used in the care of patients with Cystic Fibrosis. The speaker will discuss the available evidence for the use of different inhaled medications in the treatment of Cystic Fibrosis.

Person First, Patient Last: Equity vs. Equality in Patient Education

2:50 PM - 3:25 PM

**Gabrielle Davis MPH RRT CHES,
Boise ID**

Content Category: EDU

Appropriate patient education is imperative during appointments and hospital stays to ensure patients are armed with the necessary tools to be successful once they return home. Unfortunately, all people learn differently and literacy levels vary across the nation. Therefore, RTs must personalize general educational information that would best fit each patient instead of using

materials and techniques that simply cater to their diagnosis.

Using the Concept of “Compressed Time” to Close the Execution Gap with Goal Setting

2:50 PM - 3:25 PM

**Scott Reistad RRT CPFT FAACP,
Colorado Springs CO**

Content Category: MGT

The farther down the road plans for the future are made, the less predictability exists. With long-term plans, calculated “guesses” are made about future performance based on assumptions regarding today & yesterday. The reality is that it’s very difficult, if not impossible, to determine what your daily actions should be only 6 months or 1 year from now. Using a model of “compressed time,” this problem may lend to more predictive success in achieving the goals you desire.

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.



Brian Timon



Ariel Berlinski



Gabrielle Davis



Scott Reistad

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.

BPD Outcomes: Are We Making Any Progress?

3:30 PM - 4:05 PM

Ilana Heisler MS RRT, Boston MA

Content Category: NPS

Neonatal Care is constantly evolving based upon new evidence. Much work has been done to reduce the rate and impact of BPD. This presentation will review current strategies to prevent BPD and discuss the impact this has made on patient outcomes.

How to Implement a Respiratory-Driven Vascular Access Program

3:30 PM - 4:05 PM

Stacey Cutts BHS RRT, Rowlett TX

Content Category: MGT

“Turf wars” can arise when traditional services provided by one discipline are encroached upon by another. The presenter will share tips on creating and implementing a respiratory care-driven vascular access program. Preliminary data demonstrating the need and steps for assuming vascular access team duties at your facility will be shared.

Being an Effective Preceptor: How and Why?

3:30 PM - 4:05 PM

Emilee Lamorena MSc RRT RRT-NPS, Chicago IL

Content Category: EDU

Being a preceptor is one of the most difficult, yet most important, parts about being an RT. As a preceptor, you have a direct impact on the future of our profession and the clinicians who become the face of respiratory care. To be an effective preceptor, you must not only translate didactic knowledge into bedside skills, but also inspire and cultivate a passion for respiratory care. This presentation will cover the hot tips and best practices that all preceptors should know!

Compliance, Resistance, and Time Constants – Oh My!

4:10 PM - 4:45 PM

Jeff Anderson MA RRT, Boise ID

Content Category: AAC

This presentation will provide attendees with in-depth understanding of how the time constant influences ventilation, particularly in terms of its influence on auto-PEEP, both in mechanically ventilated patients and spontaneously breathing patients with COPD.

Pediatric Respiratory Care Residency Program

4:10 PM - 4:45 PM

Heather McKelvy MHA RRT RRT-NPS, Menlo Park CA

Content Category: NPS

Many children’s hospitals are evaluating the most efficient means to train new graduates. This presentation will discuss the value in developing a Pediatric Respiratory Care residency program. Program restructuring, barriers, and successes encountered will be discussed.



Stacey Cutts



Emilee Lamorena



Jeff Anderson



Heather McKelvy

Leading Outside of the Box

4:10 PM - 4:45 PM

**Kevin McQueen MPA RRT RRT-ACCS,
Colorado Springs CO****Content Category: MGT**

Demand for respiratory care leadership is growing. Respiratory therapists and leaders are being asked to expand their roles. Join the presenter as he discusses the challenges of managing departments outside of the normal progression in respiratory care. Examples will include managing the emergency department, risk management, and patient safety management, as well as, safety/security and environment of care.

Organizing to Learn and Participate in Successful Teaming: Are You Ready?

4:10 PM - 4:45 PM

**Shawna Murray MHS RRT CHC,
Salt Lake City UT****Content Category: EDU**

Successful interdisciplinary teaming requires a learning organization to operate in an environment of psychological safety where all participants of the team feel comfortable and confident in sharing what they know with others. Respiratory therapists using their unique assessment skills can and should be some of the most valuable members of the team. When health systems are organized to learn from every patient interaction and encounter and are empowered to share that knowledge, we all win!

Continuing Respiratory Care Education (CRCE)

AARC Congress 2019 is approved for all the credit hours you need to maintain your state license, more than 20 hours.

The Battle Against Influenza

4:10 PM - 4:45 PM

**William Pruitt RRT AE-C FAARC,
Mobile AL****Content Category: CLP**

Each year influenza affects millions of patients and for children and those with pulmonary disease the “flu” causes many hospitalizations and deaths. There is a potential for a major world-wide disaster if deadly strains develop and spread. Annual vaccination, patient education, precautions to avoid infection, and provision of quality, appropriate care can help reduce the impact on health, improve survival, and reduce cost.

Going Beyond Disease Management: Creating Population Health

4:50 PM - 5:25 PM

**Bill Galvin MEd RRT FAARC,
Havertown PA****Content Category: CLP**

Ok, we all know that a healthy population makes good sense. We also know that disease management and all its principles/practices are sound strategies. But, considering our desire to practice healthy behaviors/disease prevention, so called “good medicine,” what are the forces shaping health care drivers of poor health, and quality health and longevity? Attend this session and learn lessons from “Blue Zones” about the drivers of disease and key ingredients to longevity and an improved quality of life.



Kevin McQueen



Shawna Murray



William Pruitt



Bill Galvin

Update on APRT

4:50 PM - 5:25 PM

**Brian Walsh PhD RRT RRT-NPS,
Lynchburg VA**
**Robert Joyner PhD RRT FAARC,
Delmar MD**

Content Category: EDU

This session is an update for the profession on the progress made by the APRT committee.

High Frequency Percussive Ventilation: Does It Have a Role in Pediatric Critical Care?

4:50 PM - 5:25 PM

**Emilee Lamorena MSc RRT RRT-NPS,
Chicago, IL**

Content Category: NPS

High frequency percussive ventilation (HFPV) has been proposed as an alternative mode of ventilation for patients with acute respiratory distress syndrome and acute lung injury. This presentation will review the theory and mechanisms behind HFPV, the evidence surrounding its use on patients in refractory hypoxemic failure, and provide recommendations for future use in pediatric critical care.

Ventilator-Induced Lung Injury

4:50 PM - 5:25 PM

**Neil MacIntyre MD FAARC,
Durham NC**

Content Category: AAC

Ventilator-induced lung injury (VILI) is associated with significant morbidity and mortality. This lecture will include an overview of the mechanism, incidence, and strategies used to reduce VILI.

Considerations when Transitioning a Ventilator Dependent Patient from a Hospital Ventilator to a Home Ventilator

4:50 PM - 5:25 PM

Anthony Mozzone BHS CRT CRT-NPS

Content Category: CLP

Chronic care management of the ventilator dependent patient in the home requires an understanding of the equipment available. There are pros and cons to each unit, and it is the RTs expertise that helps to determine the most appropriate device.

Exhaled Breath Hydrogen Testing: Diagnostics to Expand Your Pulmonary Lab

4:50 PM - 5:25 PM

**Matthew O'Brien RRT RPFT FAARC,
Madison WI**

Content Category: PFT

Breath testing allows clinicians to evaluate biomarkers for a variety of conditions. Exhaled breath hydrogen testing is used to evaluate malabsorption of various sugars, assisting GI clinicians in a thorough clinical assessment. Learn more about how breath hydrogen testing might be an asset to your pulmonary lab.

Drowning in Readmits? Respiratory Navigation: A Breath of Fresh Air

4:50 PM - 5:25 PM

Consuela Wiley RRT, Pamplin VA

Content Category: MGT

The implementation of the Medicare Hospital Readmission Reduction program led to increased focus on quality care. Hospitals not meeting 30-day hospital readmission expectations were penalized. After incurring a \$2.7 million penalty in fiscal year 2016, four hospitals utilized pulmonary disease navigation to decrease that penalty to \$941,888 in fiscal year 2018. Follow the presenter as she provides the "how to" for penalty avoidance using pulmonary disease navigators.



Brian Walsh



Robert Joyner



Emilee Lamorena



Neil MacIntyre



Anthony Mozzone



Matthew O'Brien



Consuela Wiley

AARC Awards Ceremony

Saturday, November 9
8:00 am – 9:30 am

Keynote Address

Saturday, November 9
9:35 am – 10:25 am

AARC Welcome Party

Saturday, November 9
8 pm

Flag Folding Ceremony

Monday, November 11
8:50 am – 9:20 am

**42nd Annual Sputum Bowl
Finals & Reception**

Monday, November 11
Finals: 5:30pm - 7:30pm

Sponsored by

Medtronic

Further, Together

Closing Ceremony

Tuesday, November 12
12:45 pm – 2:15 pm



Sunday



AARC Business Meeting

7:30 AM – 8:30 AM

Karen Schell DHSc RRT RRT-NPS RPFT/
Presiding

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

Sputum Bowl Preliminaries

8:00 AM - 6:00 PM

Thomas Lamphere RRT RPFT FAARC/Presiding

Student teams from the AARC State Societies compete in the preliminary competitions. The top four teams will face off in the Finals on Monday, November 11th.

7th Thomas L Petty Memorial Lecture



Barry Make MD,
Denver CO

What Would Dr. Tom Think of COPD Today?

8:40 AM - 9:30 AM

Content Category: CLP

Early in his career, Dr. Petty investigated the pathology of emphysema and airway disease in cigarette smokers. Later in his career, he was a proponent of the definition of COPD that incorporates airflow obstruction on spirometry and deemphasized emphysema and chronic bronchitis. This session will present the most recent information on the myriad effects of cigarette smoking including those not associated with airflow obstruction. The latest understanding of the effects of cigarette smoking are leading to deconstruction of the current definition of COPD.



**Adult Acute Care
Section Meeting**

9:40 AM - 10:25 AM

**Carl Hinkson MSc 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.



**Neo-Peds
Section Meeting**

9:40 AM - 10:25 AM

Brad Kuch MHA 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.

**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.

**(Symposium)
Call to Action: Professional
Resilience!**

10:30 AM – 12:25 PM

**► Battling Burnout in
Respiratory Care**

10:30 AM - 11:05 AM

Andrew Miller BS RRT, Durham NC

Content Category: CLP

Respiratory care is often a high stress, demanding career that frequently results in burnout. This lecture will discuss the prevalence, causes, and how burnout effects patient outcomes. Data from across the care continuum will be shared and discussed.



Andrew 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 2019.

► Terminal Extubation and Preventing Compassion Fatigue

11:10 AM - 11:45 AM

Carl Hinkson MS RRT FAARC, Maryville WA

Content Category: CLP

The withdrawal of life support is an integral part of the work for respiratory therapists working in the ICU. Despite how common the practice is, very few respiratory therapists receive adequate training regarding this practice. This presentation will cover mechanics of terminal extubation, how to communicate with families, and tips on self-care to prevent compassion fatigue.

► How to Handle Disruptive Behavior

11:50 AM - 12:25 PM

Andrew Miller BS RRT, Durham NC

Content Category: CLP

Disruptive behavior is a problem in health care and is a major contributor to burnout. This lecture will discuss what defines disruptive behavior, causes of disruptive behavior, and their effect on worker morale. Strategies to combat disruptive behavior will be discussed.

(Symposium)

ECMO: The Personnel and Personal Side

10:30 AM - 12:25 PM

► Developing an ECMO Program: The Personnel Perspective

10:30 AM - 11:05 AM

Ira Cheifetz MD FAARC, Durham NC

Content Category: NPS

While much is often discussed about advances in the care of the ECMO patient, one of the most important aspects of success is the development and support of the team. Whether starting a new ECMO program or advancing an established program, success depends on the people from leadership to bedside staff. This presentation will review key lessons from a personnel perspective in forming a cohesive, high-performing team. The team is always greater than the sum of the parts.

► ECMO from a Patient and Her Family: The Personal Perspective

11:10 AM - 11:45 AM

Lindsey Tew, Newton Grove NC

Content Category: NPS

While much is written and presented about ECMO, little attention has been paid to the patient and family perspective. What is it like to be awake and cannulated on ECMO with ARDS and sepsis? An amazing young woman and her mother will share their ECMO journey. The patient is truly at the center of everything we do.



Carl Hinkson



Ira Cheifetz



Lindsey Tew

Sunday, November 10

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 2019.
- 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)

From Good to Great: Changing Respiratory Care Clinical Practice

10:30 AM – 11:05 AM

► Why Change is Necessary – A Department Leader’s Perspective

10:30 AM - 11:05 AM

**David Vines RN RRT FAACP
Winfield IL**

Content Category: MGT

Leading a respiratory care department through both evolutionary change and revolutionary change is challenging. This session will include the perspective of a clinical department leader responsible for creating change within an organization.

► Why Change is Necessary – A Medical Director’s Perspective

11:10 AM - 11:45 AM

Sara Mirza MD MS, Chicago IL

Content Category: MGT

Physicians rely on competent respiratory therapists to assess and treat complex patients with respiratory compromise. This session will discuss respiratory care department changes from the perspective of a physician and department medical director.

► Why Change is Necessary – A Clinical Supervisor’s Perspective

11:50 AM - 12:25 PM

Andrew Klein MS RRT AE-C, Chicago IL

Content Category: MGT

Managing during times of change in a respiratory care department can be challenging. This session will include the perspectives from a bedside clinical supervisor who led staff through changes being made in a respiratory care department.

(Symposium)

Pulmonary Hypertension Update

10:30 AM – 12:25 AM

This program is supported by an independent educational grant from Actelion Pharmaceuticals, a Janssen Pharmaceutical Company of Johnson & Johnson.

► Pathophysiology and Clinical Manifestations of PH

10:30 AM - 11:05 AM

Speaker TBA

Content Category: CLP

The pathophysiology of pulmonary hypertension is not always completely identified, but the two main mechanisms are: increased pulmonary vascular resistance and increased pulmonary venous pressure. The signs and symptoms of pulmonary hypertension, in its early stages, might not be noticeable for months or even years. As the disease progresses, symptoms become worse.

► PAH: A Patient’s Perspective

11:10 AM - 11:45 AM

Paul Minter MS, Yardley PA

Content Category: CLP

PAH is a rare disease and not all causes are known. While PAH can affect people at any age, the average patient is diagnosed in their late 40s. And although anyone can develop PAH, it affects almost 4 times as many women as men.

► The Emerging Role of the Respiratory Therapist in PAH

11:50 AM - 12:25 PM

**Tonya Zeiger RRT CPFT,
Jacksonville FL**

Content Category: CLP

The Scientific Leadership Council of the Pulmonary Hypertension Association (PHA) has been actively developing an



David Vines



Sara Mirza



Andrew Klein



Tonya Zeiger

accreditation initiative for PH treating programs across the nation in order to improve the overall quality of care and outcomes of patients with PAH. In this effort, the PH Care Center Program was developed by the PHA to identify the PH programs with the infrastructure and experience to best manage the disease.

(Symposium)
**Pulmonary Rehab 2019
 and Beyond**

10:30 AM – 11:45 PM

► **Pulmonary Rehabilitation:
 The 2019 Guidelines**

10:30 AM - 11:05 AM

Brian Carlin MD FAARC, Sewickley PA

Content Category: CLP

This session will focus on the recently released guidelines for pulmonary rehabilitation with emphasis on how to integrate the recommendations into your rehabilitation practice.

► **Pulmonary Rehab and
 Telehealth: What Should We
 Be Doing?**

11:10 AM - 11:45 AM

Brian Carlin MD FAARC, Sewickley PA

This session will look at the introduction of telehealth technologies into the management and evaluation of patients who are undergoing pulmonary rehabilitation. Strategies to integrate this technology into the practice of pulmonary rehabilitation will be discussed.

(Symposium)
What about the Diaphragm?

10:30 PM – 12:25 PM

► **Ventilator-Induced
 Diaphragm Dysfunction: What
 is the Evidence?**

10:30 AM - 11:05 AM

Eddy Fan MD, Toronto Ontario

Content Category: AAC

The impact of mechanical ventilation on the diaphragm is a growing concern in the literature. This lecture will describe the current knowledge regarding diaphragm function during mechanical ventilation and areas of future study.

► **Mechanisms of Diaphragm
 Injury**

11:10 AM - 11:45 AM

**Luis Felipe Damiani MSc PhDc PT,
 Santiago**

Content Category: AAC

There are various mechanisms of diaphragm injury discussed in the literature including atrophy, excessive effort, and eccentric contractions. This lecture will describe these mechanisms of injury and the current evidence (or lack of evidence) to support these concepts.

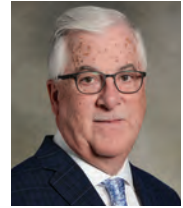
► **Diaphragm Protective
 Ventilation**

11:50 AM - 12:25 PM

Thomas Piraino RRT, Beamsville ON

Content Category: AAC

Ventilator-induced diaphragm dysfunction is a growing concern in the literature. Various methods exist for monitoring patient effort, but minimal studies have used this information to adjust ventilation. This lecture will discuss the concept of diaphragm protective ventilation and present possible values to monitor for targeting an approach to ventilation that aims to protect the diaphragm.



Brian Carlin



Eddy Fan



Luis Felipe Damiani



Thomas Piraino

Engaged Students Become Engaged Professionals

10:30 AM - 11:05 AM

Lisa Trujillo DHSc, RRT, Ogden, UT

Content Category: EDU

Have you ever taken a moment to consider what specifically you are passionate about? What brings you joy and satisfaction, or is meaningful to you, or makes an impact in some way? This lecture will explore personal growth that comes from being engaged in service and advancing your education to getting involved in your professional organization and how this leads to learning opportunities, personal ownership, and satisfaction in your profession.

Pre-Hospital Management of Airway and Respiratory Injuries: Lessons of Military Transports

10:30 AM - 11:05 AM

Josh O'Sullivan RRT, USAF

Content Category: CLP

The prolonged wars in Southwest Asia have provided extensive experience in prehospital management of severe injuries and transport of patients to definitive care. This paper will review injuries seen in the prehospital setting, specifically airway injuries and respiratory distress, and their treatment during transport to treatment facilities.

(Symposium) Integrating Research into Your Education Program

11:10 PM – 12:25 PM

► **What Should the Goal Be?**

11:10 AM - 11:45 AM

Lynda Goodfellow RRT AE-C FAARC, Peachtree City GA

Content Category: EDU

Respiratory therapy education programs remain at different levels for both entries to practice and for advancement once a practitioner has clinical experience. The didactic knowledge learned within these programs on evidence-based medicine and research should build in level and provide a baseline within each level of education. This lecture will discuss the recommended education to be provided at each education level and how to integrate these into your program successfully.

► **How to Find a Clinical Research Partner**

11:50 AM - 12:25 PM

Natalie Napolitano MPH RRT FAARC, Philadelphia PA

Content Category: EDU

Many education programs nationally incorporate research into their curriculum. Unfortunately, many may have difficulty finding appropriate research mentors for their students. Having a few research partners for your program can assist in alleviating this problem. Finding a research partner can be challenging and working together on the expectations of the course is important for success.

Chronic Lung Disease, Hypoxia, and Air Travel

11:10 AM - 11:45 AM

Jon Inkrott RRT RRT-ACCS, Orlando, FL

Content Category: AAC

The ascent to altitude is associated with hypobaric hypoxia. In patients with chronic lung disease these changes are exaggerated. What are the risks of air travel or aeromedical transport of patients with baseline hypoxemia? What is the HAST (High Altitude Simulation Test) and how is it performed? Titrating oxygen for air travel will be described and is important for patient safety.



Lisa Trujillo



Josh O'Sullivan



Lynda Goodfellow



Natalie Napolitano



Jon Inkrott

High Altitude Physiology Impact on the Patient with Respiratory Disease

11:50 AM - 12:25 PM

Dario Rodriquez Jr MSc RRT FAACP, Union KY

Content Category: AAC

Ascent to altitude and the resultant decrease in barometric pressure is associated with hypoxia and altitude related illness. This includes high altitude pulmonary edema, cerebral edema, joint pain, and upper airway discomfort. One mitigation strategy is cabin altitude restriction (maintenance of barometric pressure > 600 mm Hg). These factors will be discussed and the impact of changes in barometric pressure on equipment function will be reviewed.

Novel Approaches to Aerosol Medication Delivery to Pediatric Patients

11:50 AM - 12:25 PM

Bruce Rubin MBA MD MHA, Henrico VA

Content Category: NPS

Inhaled medications are vital to the care of patients with pulmonary disease and new medications are entering the market at a rapid pace. In addition, there is increasing interest in administering non-pulmonary medications via inhalation in an effort to avoid systemic exposure. With this constant change, it can be difficult for the pediatric therapist to maintain knowledge of currently available therapies. This presentation will focus on newly available medications and "non-traditional" medications delivered via inhalation.

The Role of the Respiratory Therapist in the Pain Clinic

11:50 AM - 12:25 PM

Daryl Smith MD, Denver CO

Content Category: CLP

The modern pain specialist does regional blocks of both outpatients and inpatients. Several of these blocks affect lung dynamics temporarily. Many of these patients can only tolerate these blocks with short term NIV managed by a RT. Therapists need to become members of the pain treatment team. They bring a special skill set to aid patients with chronic lung diseases receiving regional pain blocks.

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.

Continuing Respiratory Care Education (CRCE)

AARC Congress 2019 is approved for all the credit hours you need to maintain your state license, more than 20 hours.



Dario Rodriquez



Bruce Rubin

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.

 **Mangement Section Meeting**

1:00 PM - 1:45 PM

Kim Bennion MSHS RRT CHC / 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) 2019 COPD Symposium
1:45 PM – 4:20 PM

This program is supported by an independent education grant from AstraZeneca and Mylan Specialty.

► COPD Review: Update on GOLD 2019

1:45 PM - 2:20 PM

Brian Carlin MD FAARC, Sewickley PA

Content Category: CLP

This presentation will be covering research that has contributed to GOLD guideline updates and changes in practice for our COPD patients, bringing RTs from acute care

to post-acute care together to learn about best practices and management strategies for this patient population.

► Misdiagnosis in Chronic Obstructive Pulmonary Disease

2:25 PM - 3:00 PM

Gail Drescher MA RRT RRT-ACCS, Riva MD

Content Category: CLP

Proper assessment and the ability to recommend appropriate treatment are important skills for all respiratory therapists. Learn about issues that lead to the misdiagnosis of COPD, including diagnostic problems and conditions that may mimic this disease. Additional topics include: the inclusion of COPD in 30-day readmission penalties, coding in COPD, and potential adverse events from improper diagnosis and treatment. Find out how misdiagnosis impacts both clinical and financial outcomes.

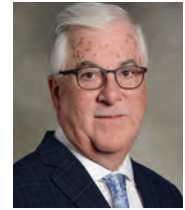
► The Effects of Comorbid Conditions on COPD Outcomes

3:05 PM - 3:40 PM

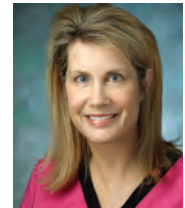
Lanny Inabnit MS RRT, Concord NC

Content Category: CLP

COPD is the third leading cause of death by disease in the U.S. and continues to be a burden on the health care system. Patients with COPD often have other comorbid conditions that lead to early readmissions and increased length of stay. This leads to a tremendous cost burden. Practitioners need to be able to recognize the effect that these comorbid conditions can have. The presenter will outline the most prevalent comorbidities in patients with COPD and discuss the suggested outcome effects of these.



Brian Carlin



Gail Drescher



Lanny Inabnit

► **How to Optimize Aerosol Drug Delivery in COPD**

3:45 PM - 4:20 PM

**Arzu Ari PhD RRT FAARC,
Round Rock TX**

Content Category: CLP

Previous research has shown that there is a gap in health care providers' practice when prescribing inhalation delivery devices for the management of COPD. This presentation will review the current aerosol delivery devices used for the treatment of patients with COPD and provide strategies and recommendations to optimize aerosol drug delivery in this patient population.

**(Symposium)
Pediatric Protocols**

1:45 PM – 3:40 PM

► **Management of Pediatric Asthma**

1:45 PM - 2:20 PM

**Ariel Berlinski MD FAARC,
Little Rock AK**

Content Category: NPS

Asthma exacerbation is a common reason for hospitalization in the pediatric population. Management of asthma through protocol driven care can improve efficiency and reduce length of stay. This presentation will review current evidence related to pediatric asthma and discuss key components of a pediatric asthma management protocol.

► **Management of Bronchiolitis**

2:25 PM - 3:00 PM

**Dave Crotwell RRT RRT-NPS FAARC,
Kirkland WA**

Content Category: NPS

This session is designed to review the protocol for the management of bronchiolitis and its evolution of change over the past ten years, how it has impacted the workflow, management, and outcomes of these patients.

► **Instituting a Nitric Oxide Initiation and Weaning Protocol**

3:05 PM - 3:40 PM

**Heather McKelvy MHA RRT RRT-NPS,
Menlo Park CA NPS**

Content Category: NPS

Use of inhaled nitric oxide weaning protocols has been advocated in the pediatric population. This lecture will cover one institution's experience and timeline towards the development of a Nitric Oxide Initiation and Weaning protocol. Purpose of the initiative, including team members' roles, data collection, and education will be presented.



Arzu Ari



Ariel Berlinski



Dave Crotwell



Heather McKelvy

Sunday, November 10

Exhibit Hall Hours:

Saturday, Nov. 9, 10:30 am – 4:00 pm

Sunday, Nov. 10, 9:30 am – 3:00 pm

Monday, Nov. 11, 9:30 am – 2:00 pm



34th New Horizons in Respiratory Care

Pediatric Respiratory Support

1:45 pm – 5:00 pm

Neonatal Respiratory Distress – The Golden Hour

1:45 PM - 2:20 PM

Craig Wheeler MS RRT RRT-NPS, Boston MA

Content Category: NPS

Early use of ventilation, both invasive and noninvasive, along with surfactant administration, has an important impact on outcomes. Oxygen administration may also impact response and long-term complications. This lecture will evaluate best practices in the first hour of life.

Pediatric and Neonatal High Flow Nasal Cannula

2:25 PM - 3:00 PM

Rob DiBlasi RRT RRT-NPS FAARC, Shoreline WA

Content Category: NPS

High flow nasal oxygen has altered the landscape of respiratory support in neonates and pediatrics. Patient comfort and development of end expiratory pressure are impacted by flow in L/kg which also impacts safety. When is HFNC indicated in these populations and in which patients?

Ventilator Liberation in the PICU

3:05 PM - 3:40 PM

Christopher Newth MD, Los Angeles CA

Content Category: NPS

Ventilator liberation and spontaneous breathing trials have become a standard of

care in adults. Ventilator liberation in pediatrics and assessing weaning readiness has nuances that require additional considerations. This lecture will describe the current best practices for ventilator liberation in pediatrics.

Inhaled Pulmonary Vasodilators in the NICU and PICU

3:45 PM - 4:20 PM

Brian Walsh PhD RRT RRT-NPS, Lynchburg VA

Content Category: NPS

Both aerosolized pulmonary vasodilators and inhaled nitric oxide have a role in the neonatal and pediatric ICU. Delivery during NIV and invasive ventilation are possible, but the devil is in the details. When can these inhaled therapies be used, and what are the advantages and disadvantages of each?

The Role of High Frequency Ventilation in Neonatal and Pediatrics

4:25 PM - 5:00 PM

Jordan Rettig MD, Boston MA

Content Category: NPS

High frequency ventilation has found the greatest utility in neonates and pediatrics. Recent studies in adults have found no advantages in adults. What is the best practice evidence for high frequency ventilation in the neonatal and pediatric ICU?



Craig Wheeler



Rob DiBlasi



Christopher Newth



Brian Walsh



Jordan Rettig

(Symposium)**Speaking the Same Language: Standardizing RT Terms to Measure Patient Outcomes and the Value of RT Practice**

1:45 PM – 3:00 PM

► Data Science and the Respiratory Care Profession

1:45 PM - 2:20 PM

Constance Mussa PhD RRT RRT-NPS, Forest Park IL**Content Category: MGT**

The shift from volume to value-based care and the ability to analyze extremely large and different types of data have contributed to challenges in health care evaluation and performance. This session will introduce the concept of data science, describe the drivers of big data and data science, and explain how RTs require a seat at the table to provide leadership relevant to how our contributions are measured.

► Doing More with Bedside Data – A Mechanical Ventilation Focus

2:25 PM - 3:00 PM

Brian Walsh PhD RRT RRT-NPS, Lynchburg VA**Content Category: MGT**

To err is human. Medical errors have become the 3rd leading cause of death in the U.S. With the advent of ventilator-associated events, could we leverage computers to help alert or predict who will have a VAE? The presenter will review the literature on computer-aided mechanical ventilation to help improve the quality of mechanical ventilation

Gen Z Goes to College: Characteristics, Traits, and Learning Preferences of Our Youngest Generation of Students

1:45 PM - 2:20 PM

Bill Galvin MEd RRT FAARC, Havertown PA**Content Category: EDU**

Generation Z are now entering college and will bring with them a unique set of traits and characteristics. What motivates them? What do they like/dislike? How do they learn? More importantly, what are their learning preferences? This presentation will address the characteristics of students born in the mid-1990s. It will identify their unique interests, needs, likes, and desires. It will identify their learning preferences and teaching/learning strategies to make education meaningful and effective for them.

Key Determinants of Successful Weaning in Long-Term Care

1:45 PM - 2:20 PM

Gene Gantt RRT FAARC, Livingston TN**Content Category: CLP**

What does it take to achieve successful weaning in the long-term care setting? This lecture will provide information on protocols for weaning success and methods to achieve desired outcomes.



Constance Mussa



Brian Walsh



Bill Galvin



Gene Gantt

Mechanical Power and Ventilator-Induced Lung Injury

1:45 PM - 2:20 PM

**William LeTourneau MA RRT
RRT-ACCS, Rochester MN**

Content Category: AAC

Does the recent introduction to the concept of mechanical power and focusing on the dynamic properties of tidal ventilation bring us closer to identifying a dangerous threshold index that indicates unsafe mechanical ventilation? This lecture will describe the concept of mechanical power and how it may be used to guide safe mechanical ventilation.

High-Fidelity Simulation in the Transport Environment

1:45 PM - 2:20 PM

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

Content Category: EDU

The transport environment remains an unpredictable place to provide care. By instituting the use of high-fidelity simulation within this environment, the “what-ifs” become easier to mitigate when caring for the transport patient.

Student Anxiety Is Real: The Benefits of Mindfulness Exercises in Class

2:25 PM - 3:00 PM

**Jennifer Anderson EdD RRT RRT-NPS,
Whichita Falls, TX**

Content Category: EDU

Students today experience a tremendous amount of stress and anxiety. Anxiety can make it difficult for students to concentrate and learn. Mindfulness helps students be present in the moment, not to dwell on the past, or worry about the future. Attend this presentation to learn how to help students be better prepared to learn.

Using RCPs to Reduce Readmissions by Managing Complex Cardiopulmonary Patients in a Skilled Nursing Facility

2:25 PM - 3:00 PM

**Victoria Florentine RRT CPFT AE-C,
Fair Oaks CA**

Content Category: CLP

Readmission reduction is THE hot topic in the post-acute world. Two patient populations with the highest risk of readmission are CHF and COPD, but respiratory therapists have yet to take the lead to address the issue. In Northern California, a respiratory company partnered with a 160-bed SNF to tackle the problem head on. The results prove that respiratory care practitioners are the key to stemming the tide of readmissions in this medically complex patient population.

Noninvasive Ventilation Outside of the ICU for Acute Respiratory Failure: Is It Safe?

2:25 PM - 3:00 PM

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

Content Category: AAC

Noninvasive ventilation (NIV) is commonly used to treat acute respiratory failure, but where should it be utilized? Is it safe to use this modality outside of the emergency room or ICU? This lecture will examine the evidence and practical considerations regarding NIV outside of the ICU.

Aeromedical Transport of Casualties with ARDS

2:25 PM - 3:00 PM

Josh O'Sullivan RRT, USAF

Content Category: CLP

This lecture will describe the injuries requiring mechanical ventilation during aeromedical transport in a war zone.



William LeTourneau



Jennifer Watts



Jennifer Anderson



Victoria Florentine



Robert Kacmarek



Josh O'Sullivan

Data on the impact of lung protective ventilation on outcomes in patients with and without ARDS will also be presented. Lifesaving interventions required during aeromedical transport will be listed in terms of frequency and severity.

(Symposium) Airway Management

3:05 PM – 5:00 PM

► Placing Artificial Airways: Endotracheal Tubes and Supraglottic Airways

3:05 PM - 3:40 PM

Eddy Fan MD PhD, Toronto ON

Content Category: AAC

This presentation will discuss different choices and approaches to placing artificial airways during routine airway management and what to do when things go awry.

► Airway Assessment: Predicting the Difficult Airway

3:45 PM - 4:20 PM

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

Content Category: AAC

This presentation will cover how clinicians can utilize a comprehensive airway assessment to anticipate problems encountered during airway management, and implement tools and strategies to prevent complications from intubation.

► How Patent Is Your Patient's Airway? Managing Partially Occluded Endotracheal Tubes

4:25 PM - 5:00 PM

**John Emberger RRT FAARC CPHQ,
Bear DE**

Content Category: AAC

Partial obstructions of the endotracheal tube can both create a life threatening situation and masquerade as respiratory failure causing longer length of stay on the ventilator. This lecture will discuss the devices that are available to detect and manage partial ETT obstructions as well as images and graphics of situations with partial occlusions.

(Symposium) Managing Non-CF Bronchiectasis (NCF-BE)

3:05 PM – 4:20 PM

► Home Management of Non-CF Bronchiectasis (NCF-BE) Among the COPD Community

3:05 PM - 3:40 PM

Zach Gantt RRT, Livingston TN

Content Category: CLP

This topic will explain the evolution of therapies and the most current pharmacological, therapy, and self-management skills to comprehensively manage comorbid NCF-BE in the COPD community.

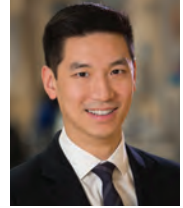
► Measures, Metrics, and Outcomes in Non-CF Bronchiectasis (NCF-BE) in the COPD Community

3:45 PM - 4:20 PM

Dan Easley BHS, Apollo PA

Content Category: CLP

This topic will explain how to implement screening, measure data, and track outcomes that will assist in managing NCF-BE patients, and how to use those outcomes to create protocols for COPD patients using technology to drive the plan of care.



Eddy Fan



Carl Hinkson



John Emberger



Zach Gantt



Dan Easley

**PRO/CON:
NIV vs. HFNC for Hypercapnic
COPD Exacerbation: NIV is
Superior**

3:05 PM - 4:20 PM

**PRO: Dean Hess PhD RRT FAARC,
Danvers MA**

**CON: Thomas Piraino RRT,
Beamsville ON**

Content Category: AAC

An exacerbation of COPD represents a challenge for the care team. In the face of hypercarbia, improved ventilation and rest of the respiratory muscles is paramount.

**The Intersection of Education,
Clinical Practice, and Research**

3:05 PM - 4:20 PM

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

Content Category: EDU

Respiratory therapists and program faculty are discovering opportunities to work within a variety of settings. Although respiratory therapists may flourish in the education, clinical, or research environment, they can also thrive in all three at once. This presentation will discuss how to successfully bring together education, clinical practice, and research experiences into the same setting.

**(Symposium)
Strategic Onboarding and
Succession Planning: A
Win-Win for Everyone!**

3:05 PM - 4:20 PM

**► Onboarding New Respiratory
Care Services Leadership**

3:05 PM - 3:40 PM

**Margie Pierce MS RRT CPFT,
Philadelphia PA**

Content Category: MGT

New leadership onboarding can prove challenging; therefore, key elements of identifying, growing, and onboarding new leaders is imperative to reduce the loss of respiratory care leadership knowledge and strategic positioning. Join this expert as she presents key concepts and stresses the need for formal, strategically implemented succession planning for long-term respiratory care viability.

**► Succession Planning:
Developing Future RT Leaders**

3:45 PM - 4:20 PM

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

Content Category: MGT

Succession planning is simply the process of developing your people. Many RT departments do not have a strategic plan for identifying and preparing therapists to advance in the department or organization. A lack of succession planning can lead to department chaos when key people decide to move on. Come to this session and discover proven techniques to improve your department's succession planning.



Dean Hess



Thomas Piraino



Dave Burnett



Margie Pierce



Cheryl Hoerr

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.

Pediatric VAE – Where Are We Now?

3:45 PM - 4:20 PM

**Kathleen Deakins MHA RRT FAARC,
Chardon OH**

Content Category: NPS

The CDC has moved to monitoring Pediatric VAE instead of VAP. This presentation will review the definition, incidence, and factors that may reduce the impact of pediatric VAE.



Kathleen Deakins



Bill Galvin

Hot Topics from the World of Higher Education: What RC Faculty “Need to Know”

3:45 PM - 5:00 PM

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

Content Category: EDU

Higher education is undergoing considerable change. Issues include: changing demographics, funding, campus safety, student unrest, and questions related to mission realignment and degree creep. These issues and more will reshape the higher education landscape. This session will provide an opportunity to learn more about the impact of these issues, and to discuss experiences related to these issues with colleagues.

Sunday, November 10

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 3½ days of AARC Congress 2019.

Home Monitoring of High-Risk Opioid Patients – Isn’t That Just Overkill?

4:25 PM - 5:00 PM

Kim Bennion MSHS RRT CHC, Murray UT

Content Category: MGT

Respiratory therapy is in a unique position to lead CQI projects. Join the presenter as she describes their alarming findings at three hospitals regarding high-risk opioid patients. She will share the protocol and other tools to create, implement, and describe the value of such a process, so that you can get a jump ahead in approaching your leadership regarding this innovative, lifesaving “patient at home” monitoring.

Patients Should Be Extubated 24/7

4:25 PM - 5:00 PM

Stephen Hepditch BS RRT RRT-NPS, Durham NC

Content Category: NPS

Hospitals operate 24/7, but staffing levels and available services change when the sun goes down. This discussion will debate the relative merits of extubating patients when they are ready, regardless of the time of day.

A Primer in Home Oxygen Therapy Equipment and Delivery Devices for Hospital Respiratory Therapists

4:25 PM - 5:00 PM

Mark Mangus Sr RRT RPFT FAARC, San Antonio TX

Content Category: CLP

Providing oxygen therapy within the hospital involves use of equipment and delivery adjuncts that are quite different from providing oxygen therapy in the home. Home oxygen therapy poses challenges and limitations not encountered by hospital RTs. A better understanding of the capabilities and limitations of home oxygen therapy equipment and its adjuncts can help bridge the gap and transition from hospital to home for patients requiring continued and long-term oxygen therapy.

Inhaler Effort: Too Fast or Too Slow? Measuring Peak Inspiratory Flow is the Only Way to Know!

4:25 PM - 5:00 PM

Adam Mullaly BS RRT AE-C, Bryn Mawr PA

Content Category: AAC

There are currently 9 different types of inhalers used to deliver asthma/COPD medications, all with varying levels of resistance. Evidence suggests that optimal peak inspiratory flow effort using these inhalers is important for effective medication delivery, and that sub-optimal peak inspiratory flow efforts may, in fact, contribute to unnecessary hospital admissions. Should we all be evaluating peak inspiratory flow (PIF) efforts?



Kim Bennion



Stephen Hepditch



Mark Mangus



Adam Mullaly

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

Monday



46th Donald F Egan Scientific Memorial Lecture



**Lluís Blanch MD
PhD, Sabadell
Barcelona**

Asynchrony - Detection, Clusters and Outcomes

8:00 AM - 8:45 AM

Content Category: AAC

Describe the impact of asynchrony on important clinical outcomes. List the most common types of asynchrony, asynchrony detection, and mitigation. Describe the automated detection of asynchrony and how technology can facilitate patient care.

Flag Folding Ceremony

8:50 AM - 9:20 AM

Joseph Buhain EdD RRT FAARC/Presiding

Harry Roman MA RRT FAARC/Presiding

Wadie Williams MA RRT/Presiding

An AARC tradition like no other, attend the AARC Flag Folding Ceremony and celebrate the rich tradition of the US 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.

Student Symposium for New Professionals

8:35 AM – 12:25 PM

► Getting That Dream Job

8:35 AM - 9:10 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.

► 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.

► Messages from Your AARC President

9:50 AM - 10:25 AM

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

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

► Acquiring Your Credential: 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).

► Acquiring Your Credential: Success on the Clinical Simulation Examination

11:10 AM - 11:45 PM

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 BHS RRT,
Charleston SC**

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. Come in and join us for a little motivation and a story of two very different respiratory therapists finding their “Why” through their respiratory educational and career journeys



Cheryl Hoerr



Dana Evans



Karen Schell



Bill Galvin



Joseph Ariale



Mandy De Vries

OPEN FORUM® – Editors' Choice

Supported by an unrestricted educational grant from



9:00 AM - 11:30 AM

Researchers and clinicians present research results on bread-and-butter issues in respiratory care. 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.

Diagnostics Section Meeting

9:55 AM - 10:25 AM

**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.

OPEN FORUM® – Posters Only #2

Supported by an unrestricted educational grant from



10:30 AM - 1:00 PM

Researchers and clinicians present the results of their work in this Posters Only session.

**(Symposium)
Neonatal Noninvasive
Ventilation**

10:30 AM – 12:25 PM

**► Practical Bedside
Management of Neonates on
Noninvasive Ventilation**

10:30 AM - 11:05 AM

**Kimberly Firestone MSc RRT,
Canton OH**

Content Category: NPS

This lecture will review the management strategies and techniques of various interface systems, securement devices, and skin barrier systems, along with extubation techniques for successful noninvasive ventilation. Audience participation to share clinical experiences, pearls, and helpful tips will be encouraged.

**► Bubble CPAP: What Does the
Research Say?**

11:10 AM - 11:45 AM

**Bradley Kuch MHA RRT FAARC,
Havertown PA**

Content Category: NPS

Bubble CPAP is an increasingly common noninvasive method of support in the NICU. The presenter will review current research related to this mode of noninvasive support.

**► NIV-NAVA: Is This a Valid
Mode for Our Neonates?**

11:50 AM - 12:25 PM

**Kerrie Meinert MHA RRT RRT-NPS,
Kansas City MO**

Content Category: NPS

Noninvasive support in the NICU is vital to reduce the incidence of lung injury. Many methods of providing this type of support are available to the RT. Noninvasive NAVA is an increasingly used mode of support in the neonatal environment, but what is the impact of this mode? This presentation will review currently available research on this subject.



Kimberly Firestone



Bradley Kuch

(Symposium)
**New and Emerging
 Bronchoscopic Procedures**
 10:30 AM - 12:25 PM

► **New and Emerging
 Bronchoscopic Procedures**
 10:30 AM - 11:05 AM

**Renee Kiourkas MS RRT RPFT,
 Chicago IL**

Content Category: PFT
 This presentation will cover bronchoscopic procedures for the diagnosis and treatment of pulmonary conditions, with an overview of the newer bronchoscopic techniques such as cryo-techniques, argon plasma coagulation, navigational bronchoscopy, balloon blockers, balloon dilation, and more. The role of the respiratory therapist will be discussed.

► **Oxygen Management and
 Hypoxia During Bronchoscopic
 Procedures**
 11:10 AM - 11:45 AM

Prema Nanavaty MD, Chicago IL

Content Category: PFT
 This talk is an overview in the management of the hypoxic patient for respiratory therapists performing bronchoscopy procedures, and will also look at oxygen devices and techniques related to better outcomes from potential complications that can arise during bronchoscopy procedures when a patient becomes hypoxic.

► **Building a Successful
 Bronchoscopy Assist Program**
 11:50 AM - 12:25 PM

**Ellen Moran MS RRT RPFT,
 Evergreen Park IL**

Content Category: PFT
 This topic will cover education, competency, and specific requirements that are essential for training clinicians when building a successful Bronchoscopy Assist Program, including meeting new industry standards.

**PRO/CON: NIV vs. HFNC for the
 Prevention of Postextubation
 Respiratory Failure: NIV Is
 Superior**
 10:30 AM - 11:45 AM

**PRO: Rich Kallet MSc RRT FAACP,
 San Francisco, CA**

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

Content Category: AAC
 Both NIV and HFNC have been evaluated for the prevention of postextubation failure. Which is better? Two experts will debate these two commonly used modalities.

(Symposium)
Prone Position in ARDS
 10:30 AM - 11:45 AM

► **Physiologic Rationale for
 Prone Positioning**
 10:30 AM - 11:05 AM

**Lluís Blanch MD PhD,
 Sabadell Barcelona**

Content Category: AAC
 Prone position has been shown to improve oxygenation and reduce mortality associated with severe ARDS. This lecture will provide an overview of the changes in gas exchange and lung mechanics associated with the prone position.

► **Positioning and Management
 of a Patient in the Prone
 Position**
 11:10 AM - 11:45 AM

**Brady Scott MEd RRT FAACP,
 Wheaton IL**

Content Category: AAC
 Placing a patient in the prone position can be a daunting task. This lecture will review strategies to safely place a patient in the prone position. Subsequent management of these patients will also be presented.



Renee Kiourkas



Prema Nanavaty



Ellen Moran



Rich Kallet



Neil MacIntyre



Lluís Blanch



Brady Scott

► **Hypoglossal Nerve Stimulator: An Alternate Therapy for Obstructive Sleep Apnea**

10:30 AM - 11:05 AM

Meena Khan MD, Columbus OH

Content Category: SDS

This session will educate attendees on the hypoglossal nerve stimulator for the treatment of obstructive sleep apnea. Attendees will learn the mechanism of action, the appropriate candidate to be considered for HNS, data on effectiveness, and potential pitfalls of therapy.

► **Phrenic Nerve Stimulator: An Alternate Therapy for Central Sleep Apnea**

11:10 AM - 11:45 AM

Meena Khan MD

Content Category: SDS

The attendees will learn about the phrenic nerve stimulator as a treatment for central sleep apnea, including the mechanism of action, data on effectiveness, and appropriate candidate selection for this therapy.

Recruiting Talent: A Panel Discussion

10:30 AM - 11:45 AM

Joel Brown BS RRT FAARC, Oxford PA

Jeffrey Davis BS RRT, Los Angeles CA

Dana Evans MHA RRT RRT-NPS, Chicago IL

Cheryl Hoerr MBA RRT FAARC, Rolla MO

Content Category: MGT

Finding the right person for the right job can be difficult. Hiring managers are faced with attracting and engaging qualified and skilled respiratory therapists in order to find the candidate that fits. In this panel

discussion, hiring managers discuss effective hiring practices and what qualities they look for in a candidate.

Respiratory Care Pharmacology and Therapeutics: Additions and Deletions in Your Practice

10:30 AM - 11:05 AM

Douglas Gardenhire EdD RRT FAARC Atlanta, GA

Content Category: AAC

RC Pharmacology continues to change. Many respiratory therapists may be unaware of the changes that exist in medications used today. The lecture will discuss additions and deletions of agents used in respiratory care. The presenter will discuss the many agents that are no longer in use and provide an update of newer medications.

Aerosol Delivery via High Flow Nasal Cannula for Adult and Pediatric Patients

11:10 AM - 11:45 AM

Jie Li MSc RRT, Forest Park IL

Content Category: AAC

Aerosol delivery via high flow nasal cannula has gained popularity in recent years. This lecture will review the clinical evidence for this relatively new delivery route and explain the influential factors that impact aerosol deposition.



Meena Khan



Joel Brown



Jeffrey Davis



Dana Evans



Cheryl Hoerr



Douglas Gardenhire



Jie Li

Monday, November 11

Sepsis Diagnosis and Management: Considerations for the Respiratory Therapist

11:50 AM - 12:25 PM

Robert Balk MD, Chicago IL

Content Category: AAC

Attendees will learn the role of respiratory therapy in the diagnosis and management of sepsis and septic shock. The presenter will specifically address the RT's role in finding septic patients, providing adequate respiratory/ventilator support, and assessment of adherence to bundles of care.

PRO/CON: High Frequency Percussive Ventilation is a Reliable Treatment for Refractory Hypoxemia

11:50 AM - 12:25 PM

PRO: Felix Khusid RRT FAARC, Brooklyn NY

CON: Rich Branson MS RRT FAARC, Beaufort SC

Content Category: AAC

The use of devices for rescue of patients who fail conventional ventilation continues to be a matter of debate. Are all high frequency ventilation devices similar or does the creation of the flow, volume, and pressure waveforms make a substantial difference in physiological response? This presentation will examine the evidence to support or refute the use of Volumetric Diffusive Respiration / High Frequency Percussive Ventilation in the critical care environment.

The Essential Role of RTs in Eliminating Preventable In-Hospital Deaths

11:50 AM - 12:25 PM

Stephen Dickson MS RRT RRT-NPS, Lawrenville GA

Content Category: PTS

Respiratory rate is the most under-valued and under-appreciated of all vital signs. The assessment of respiratory rate in general care is notoriously inaccurate. As the earliest indicator of deterioration, the importance of accuracy in respiratory assessment is critical. RTs are uniquely positioned to raise awareness and provide education to address this vital need.

Patient Safety: We Can't Fix It Unless You Tell Us It's Broken – Using the FDA's MedWatch Program

11:50 AM - 12:25 PM

Bradley Kuch MHA RRT FAARC, Havertown PA

Content Category: MGT

Advancing the cause of Patient Safety is every Respiratory Therapist's responsibility. Practitioners are doomed to make the same mistakes unless adverse events are reported, and pharmaceutical and device manufacturers cannot improve their products unless they are made aware of problems. Through case scenarios, this session will provide attendees with a working knowledge of what constitutes an AE, SAE, a Medication and/or Device error, and how to report events via the FDA MedWatch Program.



Robert Balk



Felix Khusid



Richard Branson



Stephen Dickson



Bradley Kuch

Alzheimer’s Disease, Dementia, and Sleep Apnea: How Do We Treat?

11:50 AM - 12:25 PM

Jessica Schweller MS RRT APRN-CNP, Worthington OH

Content Category: SDS

Comorbid Alzheimer’s and dementia have been linked to OSA, but how do we treat these patients? With cognition being a deterrent to therapy, what options are available for these patients and what works best? This lecture will address boundaries to therapy and ways to overcome these boundaries in treating OSA in patients with cognitive impairment.

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. 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 #12

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. 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.

Sleep Section Meeting

1:00 PM - 1:45 PM

Jessica Schweller MS RRT APRN-CNP

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.



Jessica Schweller

Monday, November 11

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 3½ days of AARC Congress 2019.

(Symposium)

All About Asynchrony

1:45 PM – 00:25 PM

► **The Clinical Impact of Patient-Ventilator Asynchrony**

1:45 PM - 3:40 PM

**Thomas Piraino RRT,
Beamsville Ontario**

Content Category: AAC

Asynchrony between the patient and ventilator is common in the intensive care unit. Increasing data demonstrates the impact asynchrony has on important patient outcomes. This lecture will describe the most common forms of asynchrony in the ICU and the impact this has on clinical outcomes.

► **Can Asynchrony Be Detected Automatically?**

2:25 PM - 3:00 PM

**Luis Felipe Damiani MSc PhDc PT,
Santiago**

Content Category: AAC

The largest issue with asynchrony is that it doesn't always occur when a clinician is at the bedside to see it. This lecture will discuss software that automatically detects various forms of asynchrony and the importance of this technology in everyday practice.

► **Is Extracorporeal Life Support the Ultimate Solution for Patient-Ventilator Asynchrony?**

3:05 PM - 3:40 PM

**Keith Lamb RRT FAARC FCCM,
Warrentown VA**

Content Category: AAC

Patient-ventilator asynchrony is often a result of increased drive due to chemoreceptors sensitive to values of carbon dioxide, pH, and oxygen. Can ECLS

be used to prevent asynchrony, or completely eliminate the need for mechanical ventilation? This lecture will discuss the role of ECLS in the management of patient-ventilator asynchrony.

(Symposium)

Position for Long-Term Nicotine Cessation Success

1:45 PM – 2:25 PM

► **Tobacco Cessation Counseling**

1:45 PM - 2:20 PM

**Susan Rinaldo Gallo MEd CTTS FAACP,
Raleigh NC**

Content Category: CLP

Tobacco cessation interventions alone may not help the tobacco user quit. Many studies have identified that purposeful counseling by a qualified clinician – such as a respiratory therapist – can make a significant difference in the success of the quit attempt. This session will discuss the components of tobacco cessation counseling and how the respiratory therapist can dramatically and positively impact the quit attempt.

► **Brief Interventions for RTs to Treat Tobacco Use**

2:25 PM - 3:00 PM

**Michelle Earl BS RRT CTTS,
Grand Forks ND**

Content Category: CLP

Tobacco use remains the leading cause of preventable mortality in the United States and its health consequences are seen every day in respiratory care. In this session we will review tobacco products and their effects on health; describe how respiratory therapists can successfully address tobacco use through the example of Altru Health; and summarize strategies and recommendations for developing, implementing, and maintaining a Tobacco Treatment Program in a clinical setting.



Thomas Piraino



Luis Felipe Damiani



Keith Lamb



Susan Rinaldo Gallo



Michelle Earl

► **Nicotine Cessation Through the Lens of Addiction**

3:05 PM - 3:40 PM

Georgianna Sergakis PhD RRT FAARC, Columbus OH

Content Category: CLP

Respiratory therapists frequently witness the dangers of nicotine addiction through caring for people with cigarette-smoking related diseases. RTs can draw upon those stories and experiences to shape future patient education interactions. With electronic nicotine delivery systems (ENDS) gaining popularity, the conversation must shift from tobacco to nicotine cessation, centering addiction over the interface.

(Symposium) Safety Everywhere You Go

1:45 PM – 3:40 PM

► **It Could Happen Anywhere: Active Shooter Preparedness in the Health Care Setting**

1:45 PM - 2:20 PM

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

Content Category: PTS

The hospital setting has historically appeared to be a safe haven. Over the past months, it has been shown that fear and uncertainty may arise out of nowhere as the result of an active shooter. This presentation will share with the learner how to identify the signs of a potentially volatile situation.

► **Campus Safety: Preparing a Safety Plan for Students and Faculty**

2:25 PM - 3:00 PM

Douglas Gardenhire EDD RRT FAARC Atlanta, GA

Content Category: PTS

Campus safety continues to be an issue in the US. This lecture will discuss faculty and administrative components related to department and classroom safety. The presenter will discuss developing safety goals for the department and classroom, developing emergency response plans, and the implementation of the plans.

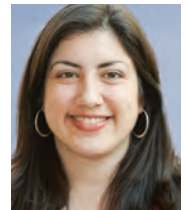
► **Identifying Unsafe Situations in the Patient’s Home**

3:05 PM - 3:40 PM

Kimberly Wiles BS RRT FAARC, Kittanning PA

Content Category: PTS

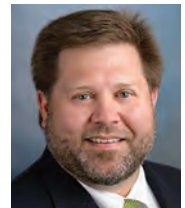
Unsafe situations can occur in many different locations. One location we don’t always consider is in the patient’s home. This presentation will identify various unsafe conditions and how they can be prevented or solved!



Georgianna Sergakis



Jennifer Watts



Douglas Gardenhire



Kimberly Wiles

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: Outcomes Are Improving, but How and Why?

1:45 PM - 2:20 PM

Ira Cheifetz MD FAARC, Durham NC

Content Category: NPS

Survival for pediatric acute respiratory distress syndrome has steadily improved over time, but why and how? The answer to this seemingly simple question is complex as there have been no definitive studies that correlate an intervention with improved outcome. This presentation will review the available data and discuss potential explanations for this positive outcome trend. Considerations for the future will be explored.

Managing Sleep Apnea for Commercial Drivers

1:45 PM - 2:20 PM

Kevin Dator BS RRT RPSGT, Moreno Valley CA

Content Category: SDS

This will be an updated discussion in managing commercial drivers who have been diagnosed with Obstructive Sleep Apnea. This discussion will include the use of oral appliance therapy with compliance monitoring.

False Negative Tests: When “Normal” PFTs Are Wrong

1:45 PM - 2:20 PM

Jeffrey Haynes RRT RPFT FAARC, Pembroke NH

Content Category: PFT

A normal PFT is usually relied upon to exclude lung disease, but are PFTs always right? This presentation will show the limitations of PFTs and review specific instances when normal PFTs can hide disease.

Mechanical Ventilation Strategies During Extra Corporeal Membrane Oxygenation

1:45 PM - 2:20 PM

Keith Lamb RRT FAARC FCCM, Warrenton VA

Content Category: AAC

This presentation will discuss the criteria for ECMO cannulation and the mechanical ventilation management strategies during ECMO.

The High Cost of Team Member “Violence” and Collateral Damage

1:45 PM - 2:20 PM

Kevin McQueen MPA RRT RRT-ACCS, Colorado Springs CO

Content Category: MGT

High-functioning teams are grounded in mutual respect, personal accountability, and trust. How is a team disrupted when one member elevates self over team success? Join the presenter as he provides clear ways to identify “disrupters” and explains the high cost to team reputation these individuals cause. Solutions for moving your team from disruptive collateral damage to productivity will be presented.



Ira Cheifetz



Jeffrey Haynes



Keith Lamb



Kevin McQueen



The 65th International Respiratory Convention & Exhibition

What Millennials Really Want From Their Manager

2:25 PM - 3:00 PM

Joel Brown BS RRT FAARC, Oxford PA

Content Category: MGT

By the year 2025, more than 75% of our workforce will be millennials. On the other hand, today's managers have difficulty figuring out how to keep them engaged and prepare them to become the leaders of the future. This lecture will provide insight on these challenges from the perspective of a millennial on the ladder to leadership and an established respiratory care director.

Ventilatory Management of the Morbidly Obese Patient

2:25 PM - 3:00 PM

John Davies MA RRT FAARC, Cary NC

Content Category: AAC

Ventilatory management of the morbidly obese patient poses significant challenges for the respiratory therapist. In most instances, higher than normal ventilatory pressures are required to achieve the desired tidal volume. However, these pressures may, in fact, be safe and acceptable. This lecture will examine the challenges of ventilating the morbidly obese patient and discuss evidence-based strategies to effectively ventilate this type of patient.

ATS/ERS Spirometry Guidelines: Strengths, Weaknesses, and Omissions

2:25 PM - 3:00 PM

Jeffrey Haynes RRT RPFT FAARC, Pembroke NH

Content Category: PFT

Spirometry guidelines have great influence on clinical testing, but are they perfect? This presentation will review the strengths, weaknesses, and omissions of the ATS/ERS spirometry guidelines.

Utilizing RTs as Complex Case Managers in Sleep

2:25 PM - 3:00 PM

Rose Huston RRT, Orange CA

Content Category: SDS

This lecture will discuss case management of respiratory failure and hypoventilation patients within the Sleep Center. The presenter will also discuss pathophysiology and phenotypes that would require noninvasive ventilation (APAP with O₂, BIPAP, AVAPS) such as COPD with OSA, neuromuscular disease, OHS, and respiratory failure patients. This lecture will discuss therapy options as determined through PSG, long term management, and modern data through case studies.



Joel Brown



John Davies

Exhibit Hall Hours:

Saturday, Nov. 9, 10:30 am – 4:00 pm

Sunday, Nov. 10, 9:30 am – 3:00 pm

Monday, Nov. 11, 9:30 am – 2:00 pm



Tidal Volume Selection in Pediatric Patients

2:25 PM - 3:00 PM

Christopher Newth MD, Los Angeles CA

Content Category: NPS

Tidal volume selection can have a large impact on the development of lung injury. While adult tidal volume selection is often made based upon predicted body weight, measured body weight is commonly used in children. The presenter will discuss the current knowledge related to tidal volume selection in pediatric patients.

(Symposium) Pediatric Pulmonary Function Testing

3:05 PM – 5:00 PM

Lung Clearance Index Across the Ages

3:05 PM - 3:40 PM

Paolo (Paul) Pianosi MD FRCPc, Rochester MN

Content Category: PFT

Lung clearance index or multiple-breath washout (MBW) offers insight into pediatric lung function, specifically in obstructive disease, that may not be available through spirometry or resistance measurements. Technical and test methodology considerations in this population will be discussed.

► Lung Clearance Index Test in Cystic Fibrosis

3:45 PM - 4:20 PM

Paolo (Paul) Pianosi MD FRCPc, Rochester MN

Content Category: PFT

Lung clearance index or multiple-breath washout (MBW) has become an important lung function test in the assessment of cystic fibrosis and clinical research when combined with spirometry. The assessment of CF, application to the severity of the disease, relationship to therapeutic interventions, and safety evaluation in new therapies will be discussed

An Update on Pediatric Pulmonary Function Standards: What's New?

4:25 PM - 5:00 PM

Susan Blonshine RRT AE-C RPFT, Mason MI

Content Category: PFT

Multiple new standards from the ATS and ERS have been published that concentrate on test methods in the pediatric population. Each of these will be discussed and their impact on PF Lab practice.

Traumatic Brain Injury: Respiratory Care Considerations

3:05 PM - 3:40 PM

Edna Lee Warnecke RRT RRT-NPS RRT-ACCS, Kensington CA

Content Category: AAC

Traumatic brain injury (TBI) causes significant morbidity and mortality. Secondary insults such as hypoxia and hypotension are known to result in worse physical and cognitive outcomes. Additionally, the speaker will argue that hyperventilation with its reduction in cerebral blood flow is similar. The latest TBI guidelines as they relate to hypoxia, hypotension, and hyperventilation will be discussed as participants learn appropriate therapy to limit morbidity and mortality of patients with TBI.



Christopher Newth



Paolo Pianosi



Susan Blonshine

(Symposium)**Sleep Disorders Among the Inpatient Population**

3:05 PM – 4:20 PM

► Sleep Disordered Breathing Management in the Bariatric Population

3:05 PM - 3:40 PM

Jessica Schweller MS RRT APRN-CNP, Worthington OH**Content Category: SDS**

This lecture will focus on the many aspects of treatment when managing sleep disordered breathing in the bariatric population. This lecture will address the challenges faced with diagnosis and treatment of the obese patient, when to change to bilevel, and when to suspect obesity hypoventilation syndrome. The talk will also address the modalities of treatment that should be avoided in this population and when and how surgery can impact their treatment plan.

► Sleep Apnea and the Hospital Patient

3:45 PM - 4:20 PM

Jessica Schweller MS RRT APRN-CNP**Content Category: SDS**

This lecture will address the prevalence of sleep disordered breathing among patients admitted to the hospital and how to screen and diagnose them at discharge. It will also discuss treatment of patients already diagnosed with sleep apnea and how to manage home PAP units while in the hospital. This lecture is intended for RTs in the inpatient setting.

Short Staffed? Add Value!

3:05 PM - 3:40 PM

Greg Morgan MBA RRT CPFT, North Branch MN**Content Category: MGT**

If your department is struggling to have enough staff, practical suggestions to increase the value of the services offered will be presented. "Value" can be appreciated through efficiency, patient care, patient education, and follow up. The presenter will share unique ideas of what you might employ to gain "buy in" from staff and senior leadership.

Airway Management: Lessons Learned from a Global Perspective

3:05 PM - 3:40 PM

Natalie Napolitano MPH RRT FAARC, Philadelphia PA**Content Category: NPS**

Utilizing knowledge gained from the NEAR4kids database, the presenter will detail lessons learned from an international data pool detailing intubation events and associated sequelae.

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. 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.



Jessica Schweller



Greg Morgan



Natalie Napolitano

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. 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)
American Heart Association Guidelines Update**

3:45 PM – 5:00 PM

► Advanced Cardiac Life Support: An AHA Update

3:45 PM - 4:20 PM

**Brian Walsh PhD RRT RRT-NPS,
Lynchburg VA**

Content Category: AAC

The science related to Advanced Cardiac Life Support (ACLS) changes often. For this reason, the American Heart Association provides regular updates to the guidelines. This presentation will review recent guideline updates and discuss the proposed 2020 updates.

► Pediatric Advanced Life Support: An AHA Update

4:25 PM - 5:00 PM

**Robert Sutton MD MSCE,
Garnet Valley PA**

Content Category: NPS

The science related to Pediatric Advanced Life Support (PALS) changes often. For this reason, the American Heart Association provides regular updates to the guidelines. This presentation will review recent guideline updates and discuss the proposed 2020 updates.

**PRO/CON:
NIV vs. HFNC for Hypoxemic Respiratory Failure NIV Is Superior**

3:45 PM - 5:00 PM

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

**CON: Dean Hess PhD RRT FAARC,
Boston MA**

Content Category: AAC

A patient presenting with hypoxemic respiratory failure requiring oxygen therapy, and perhaps positive pressure support, represents a challenge for the care team. Before intubation and its attendant consequences, both HFNC and NIV can be used to stabilize the patient and prevent intubation. Can HFNC provide sufficient pressure to recruit alveoli? Does NIV have consequences for comfort and cardiovascular function? Clearly NIV is superior...or is it?



Brian Walsh



Robert Sutton



Robert Kacmarek



Dean Hess

(Symposium)**Providing Inclusive Health Care**

3:45 PM – 5:00 PM

► Diversity and Inclusion: How to Do It Right!

3:45 PM - 4:20 PM

Gabrielle Davis MPH RRT CHES, Boise ID**Content Category: MGT**

Diversity and inclusion are the latest buzzwords used in academia and health care to depict safe and welcoming environments. They are found throughout mission and vision statements, course syllabi, websites, and student handbooks all over the country. These terms are often used interchangeably, though their meanings are quite different. This presentation will highlight the true meaning of diversity and inclusion and how they are equally important in the academic and health care settings.

► Providing a Safe(r) Space for LGBTQ+ Patients, Students, and Staff

4:25 PM - 5:00 PM

Samantha Davis MS RRT CHSE, Boise ID**Content Category: MGT**

When navigating an institution as a part of a marginalized group, safe(r) spaces allow individuals to participate, work, learn, receive care, and grow more effectively. Within the LGBTQ+ community, the scarcity of these spaces may create additional barriers for patients, students, or professionals to thrive. This session will discuss strategies for providing safe(r) spaces to individuals in the classroom and clinical settings.

Optimizing Mechanical Ventilation: Human Thought or Computer Algorithm?

3:45 PM - 4:20 PM

Ira Cheifetz MD FAARC, Durham NC**Content Category: NPS**

Can mechanical ventilation be best optimized by reliance on computer algorithms, individual human thought, or a combination of both? While computer algorithms can standardize care and employ the most updated data, human thought allows individualization to specific patient conditions and includes the intangible concept of the “art of medicine.” This presentation will review the available data and provoke thought and discussion on this increasingly important and controversial topic.

Electronic Vaping Devices: Educating Our Patients and Community

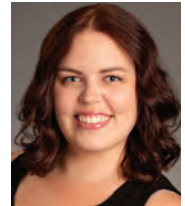
3:45 PM - 4:20 PM

Mary Martinasek PhD RRT AE-C, Tampa FL**Content Category: CLP**

This talk will focus on understanding current literature on vaping devices for both those individuals trying to quit smoking and youth and young adults who are nicotine naive.



Gabrielle Davis



Samantha Davis



Ira Cheifetz



Mary Martinasek

What Should I Know About Esophageal Pressure Monitoring for Mechanical Ventilation?

3:45 PM - 4:20 PM

Eduardo Mireles-Cabodevila MD, Cleveland Heights OH

Content Category: AAC

Esophageal manometry has been shown to be useful for more than 50 years of research. This talk will describe the why, when, and how of monitoring esophageal pressure and using transpulmonary pressure to optimize ventilator settings.

Cardiorespiratory Interactions: The Heart-Lung Connection

4:25 PM - 5:00 PM

Kimberly Jackson MD, Durhan NC

Content Category: NPS

The heart and lungs are both anatomically and physiologically connected. Mechanical ventilation can both help and harm cardiac output. This presentation will explore the physiological relationship between the cardiovascular and pulmonary systems with a focus on strategies to manage mechanical ventilation to optimize cardiac function.

Fighting the Battle Against Hemoptysis

4:25 PM - 5:00 PM

Prema Nanavaty MD, Chicago IL

Content Category: AAC

This lecture will describe the various causes, available treatments, and the role the respiratory therapist plays in the treatment of patients with hemoptysis.

RTs Revolutionizing CPAP Adherence: How Technology Is Improving Outcomes

4:25 PM - 5:00 PM

Heidel Trinidad MBA RRT AE-C, Fontana CA

Felonda Parker BHS RRT RRT-SDS, Fontana CA

Content Category: SDS

Population health management, real-time monitoring, predictive analytics, and artificial intelligence: these “buzz words” describe not only future health care trends but current tools being used to transform sleep medicine. Dependence on technology in daily life drives consumer electronics to become the perfect resource in the integration of health care. We will discuss interactive communication between the CPAP user, consumer electronics, and the clinician.

Mechanical Ventilation Alarm Safety

4:25 PM - 5:00 PM

Brady Scott MEd RRT FAACP, Wheaton IL

Content Category: PTS

Alarm fatigue continues to be a national patient safety concern and not all mechanical ventilation alarms provide actionable information. This presentation will discuss issues with mechanical ventilation alarm settings and potential negative consequences, including alarm fatigue.

Sputum Bowl Finals and Reception

5:30 PM - 7:30 PM



Eduardo Mireles-Cabodevila



Kimberly Jackson



Prema Nanavaty



Heidel Trinidad



Brady Scott

Tuesday



35th Phil Kittredge Memorial Lecture



**Shelly Mishoe PhD RRT FAARC,
Virginia Beach VA**

Closing the Gap: Improving Critical Thinking Skills for the Respiratory Therapist

8:00 AM - 8:50 AM

Content Category: EDU

Several publications indicate that critical thinking is an integral part of the delivery of health care. This would suggest that fostering the development of critical thinking skills is a vital component of preparing RTs for the health care of today and the future. However, we know very little about critical thinking in the context of respiratory care as it's not an area that has been thoroughly studied. This presentation will discuss the core components of fostering critical thinking skills in formal education and at the bedside from one of the few recognized experts in the field.

RESPIRATORY CARE**Journal Symposium**

9:15 am – 12:30 pm

**► Five Best Original Papers in
RESPIRATORY CARE**

9:15 AM - 9:50 AM

**Richard Branson MS RRT FAARC,
Beaufort SC****Content Category: CLP**

RESPIRATORY CARE publishes over 200 papers per year. What are the most influential papers published in 2019 that clinicians should understand? These papers question old ideas and suggest alterations to practice.

**► Most Common Mistakes by
New Authors**

9:55 AM - 10:30 AM

**Dean Hess PhD RRT FAARC,
Danvers MA****Content Category: CLP**

How do I create a paper that has the best chance of being accepted? What are the most common mistakes made by new authors that preclude acceptance of their paper? What are checklists and practices that improve the probability of getting your paper accepted.

**► Creating a Successful
Research Program in Your
Department**

10:35 AM - 11:10 AM

**Rich Kallet MSc RRT FAACP,
San Francisco, CA****Content Category: CLP**

Research requires expertise and time to be successful. How can a respiratory therapy department create a culture that prioritizes research? What infrastructure is required and how important are mentors?

**► Simulation Studies for
Publication – Principles and
Pitfalls**

11:15 AM - 11:50 AM

**Robert Chatburn RRT RRT-NPS
MHHS, Cleveland OH****Content Category: CLP**

Simulation can be used for education and research. However, simulation research is a science to itself. What are the best practices and what are the pitfalls of simulation research?

**► Five Best Bench Studies in
RESPIRATORY CARE**

11:55 AM - 12:30 PM

**Richard Branson MS RRT FAARC,
Beaufort SC****Content Category: CLP**

Bench studies of technology represent a focus of RESPIRATORY CARE. This lecture will describe the 5 top bench studies of technology and list the characteristics of exceptional studies.



Rich Branson



Dean R Hess



Rich Kallet



Rob Chatburn

(Symposium)
**Teaching the Tough Stuff:
 Preparing for Real World
 Practice**

**► GRIT: Growth, Resilience,
 Interpersonal Communication
 & Teamwork**

9:15 AM - 9:50 AM

**Georgianna Sergakis PhD RRT FAARC,
 Columbus OH**

Content Category: EDU

This interactive session will explore the core traits and related literature on the development of GRIT (growth mindset, resiliency, interpersonal communication and teamwork) in clinical training. We will discuss how to develop strategies to improve the learners' critical thinking skills by questioning their own assumptions and practicing for real world application.

**► Too Soon? Navigating Tough
 Topics with Student Learners**

9:55 AM - 10:30 AM

**Samantha Davis MS RRT CHSE,
 Boise ID**

Content Category: EDU

This session will explore different instructional approaches for integrating the tough topics, such as resiliency, compassion fatigue, hospice, and palliative care into your own curriculum. Audience dialogue and sharing of current practices will be encouraged.

**► Out of Our Comfort Zone:
 Conversations About Comfort**

10:35 AM - 11:10 AM

**Shawna Strickland PhD RRT FAARC,
 Irving TX**

Content Category: EDU

Many clinicians feel uncomfortable discussing palliative efforts and end-of-life options and most have no formal training in these conversations. Role-playing and simulation can be helpful to practice these difficult conversations and help refine approaches to conversations with patients and families.

**► What About Us? An
 Exploration of Self-Care and
 Compassion Fatigue**

11:15 AM - 11:50 AM

**Gabrielle Davis MPH RRT CHES,
 Boise ID**

Content Category: EDU

This session will explore compassion fatigue and how lack of self-care can affect our interactions with patients, students, colleagues, and life outside of work.

**PRO/CON:
 Racing to Extubation: Should
 All Pediatric Post-Operative
 Congenital Heart Patients Be
 in the Race**

9:15 AM - 10:30 AM

**PRO: Teresa Volsko MBA RRT FAARC,
 Canfield OH**

**CON: Katherine Fedor MBA RRT
 RRT-NPS, Cleveland OH**

Content Category: NPS

There is increasing interest in reducing the duration of mechanical ventilation after surgery for pediatric congenital cardiac defects. However, the contemporary use of an early extubation strategy and its effect on clinical outcomes is poorly understood. Two clinicians will debate the benefits and risks of such an approach. Should a fast track weaning protocol be used on all intubated children following surgical correction of a congenital cardiac defect?



Georgianna Sergakis



Samantha Davis



Shawna Strickland



Gabrielle Davis



Teresa Volsko



Katherine Fedor

Acute Pulmonary Embolism in Adults

9:15 AM - 9:50 AM

**Neil MacIntyre MD FAARC,
Durham NC**

Content Category: AAC

Respiratory therapists frequently encounter patients that are suffering from PE. Because PE can be dangerous, even fatal, it is imperative that it is recognized and treated quickly. In this lecture the presentation, evaluation, and treatment of PE will be discussed.

Designing Evidence-Based Protocols for Use in the Intensive Care Unit

9:15 AM - 9:50 AM

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

Content Category: AAC

This talk shares the practical experience of a director of a medical intensive care unit in a large academic medical center in designing and implementing respiratory care protocols. It will emphasize how to find, evaluate, and incorporate the latest evidence.

Standardizing Respiratory Therapy Terms to Measure Patient Outcomes and Value of Respiratory Therapy Practice

9:15 AM - 9:50 AM

**Constance Mussa PhD RRT RRT-NPS,
Forest Park IL**

Content Category: MGT

Currently, due to a lack of standardized terminology, respiratory care data are seldom captured and aggregated in health information systems to help us generate meaningful information, link respiratory care interventions and outcomes, and evaluate the cost-effectiveness of care. This session will describe work that is currently

underway to label and define key respiratory care concepts that describe patient responses to respiratory system dysfunction, events, and interventions.

Secrets to Creating a Dynamic Team Amid Organizational Change!

9:55 AM - 10:30 AM

**Steven Abplanalp RRT CPFT,
Murray UT**

Content Category: MGT

Success in the constantly changing health care environment depends upon strong “teaming.” Creating an environment where employees feel safe to take professional risks, learn from experience, and then grow new ideas into opportunities enables them to reach their highest potential. Strong leadership teams that are dynamic, flexible, and organized to learn make a positive difference for every patient, every day while they revolutionize the health care workplace.

Family ICU Syndrome: What It Is and What an RT Can Do About It

9:55 AM - 10:30 AM

**Deborah Linehan RRT RRT-NPS
RRT-ACCS, Littlestown, PA**

Content Category: CLP

A devastated family at the bedside of a loved one: we see this all the time as respiratory therapists, but have you ever stopped to consider the psychological issues confronting this family, and how it affects them? These effects can be felt long after their loved one has left the ICU. In this lecture, Family ICU Syndrome and practical ways respiratory therapists can help the families in their care will be discussed.



Neil MacIntyre



Eduardo Mireles-Cabodevila



Constance Mussa



Steven Abplanalp



Deborah Linehan

**PRO/CON:
VV-ECMO Should be
Considered a First-Line
Treatment for Severe ARDS**

9:55 AM - 10:30 AM

**PRO: Maria Madden MS RRT
RRT-ACCS, Baltimore MD**

**CON: Karsten Roberts MSc RRT
RRT-ACCS, Philadelphia PA**

Content Category: AAC

In recent years, VV-ECMO has been utilized as a salvage therapy in severe ARDS. Since techniques and technology have improved, should it now be used as a first-line therapy when conventional mechanical ventilation has failed? During this session, two clinicians will debate the evidence that supports or refutes the use of ECMO as a first-line treatment for severe ARDS.

**Departmental Research and QI
Implementation on a Limited
Budget**

10:35 AM - 11:10 AM

**Dave Crotnell RRT RRT-NPS FAARC,
Kirkland WA**

Content Category: MGT

Leaders theoretically know that having research and/or a formal QI program within respiratory care departments is ideal. However, implementing them can prove daunting. How do you put a program together with a limited budget? Join the presenter as he shares some practical steps to implementation success.



The 65th International Respiratory
Convention & Exhibition

Case Studies in Palliative Care

10:35 AM - 11:10 AM

Allen Gustin Jr MD FCCP, Maywood IL

Content Category: ETH

Respiratory therapists may be uncomfortable with their role in assessing for and engaging in palliative care measures. This presentation will focus on appropriate engagement by the respiratory therapist as presented in various case studies.

**A Look Inside the Lungs:
Electrical Impedance
Tomography**

10:35 AM - 11:10 AM

**Daniel Rowley MS RRT FAARC,
Charlottesville VA**

Content Category: AAC

Electrical impedance tomography (EIT) is an emerging bedside monitoring technique that does not produce radiation. It provides real-time dynamic image and numeric data that may be used to rapidly assess for regional lung volume changes. This lecture will provide an overview of this new technology and emerging evidence to support its use.

**Putting the Pressure on
Pediatric High Flow Nasal
Cannula**

10:35 AM - 11:10 AM

**Ryan Sharkey MSc RRT RRT-NPS,
Charlottesville VA**

Content Category: NPS

High flow nasal cannula is a popular noninvasive therapy in pediatric patients. The pressure delivered during HFNC is difficult to measure and highly variable. These challenges in HFNC delivery can lead to misunderstanding of pressure delivered to the patients. This presentation will review current data on pressure delivery and variables that affect pressure with pediatric HFNC.



Maria Madden



Karsten Roberts



Dave Crotnell



Allen Gustin



Daniel Rowley



Ryan Sharkey

Unplanned Extubations in the NICU: Are There Gaps in Care, Devices, or Processes?

11:15 AM - 11:50 AM

**Kathleen Deakins MHA RRT FAARC,
Chardon OH**

Content Category: NPS

Unplanned extubations in the Neonatal ICU continues to plague this most vulnerable subset of patients. Causes of unintended extubation are variable from institution to institution. This review is intended to identify the most common areas that need attention and potential solutions to standardizing care of neonates.

(Symposium) Ventilator Waveforms: Interpretation and Clinical Application

► Interpretation of Basic Scalars and Loops

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 interactive (audience-response) presentation is designed to explain the foundational concepts behind every graphic displayed on the ventilator screen.

► What in the World? Graphic Interpretation Cases

11:55 AM - 12:30 PM

John Davies MA RRT FAARC, Cary NC

Content Category: AAC

This is a case-based presentation, with audience participation, that focuses on graphical waveform interpretation, identification of patient-ventilator synchrony, and recognition of modes of ventilation. The audience can test their knowledge of waveform interpretation.

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 RRT-NPS/
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!



Kathleen Deakins



Ruben Restrepo



John Davies



Karen Schell



Michael Amato



Katherine Fedor

Coaching, Development, and Performance: Managing Isn't Always Leadership

11:15 AM - 11:50 AM

Matthew Pavlichko MS RRT RRT-NPS, Myerstown PA

Content Category: MGT

The strength of every respiratory department is its people. Employee engagement and development sometimes takes a back seat to budget, schedules, and equipment issues. Respiratory care departments spend 70-80% of their budgets on salaries, but do leaders spend 70-80% of their time with their team? This lecture will describe how we can be better leaders by making development a priority. It will also discuss how individual development plans are not just for problem employees.

Making Pediatric Intubation Safer: Implementation of an Airway Safety Bundle

11:55 AM - 12:30 PM

Natalie Napolitano MPH RRT FAARC, Philadelphia PA

Content Category: NPS

Tracheal intubation is associated with significant complications, including hypotension and cardiac arrest. Risk can be significantly reduced with the implementation of an airway safety bundle. This presentation will review the patient, clinician, and practice factors associated with risk reduction and discuss the process for implementing the bundle.

EMR: Ongoing Success Post-Implementation IS Possible

11:55 AM - 12:30 PM

Larae Sams MBA RRT, Wesley Chapel FL

Content Category: MGT

Developing a new electronic medical record (EMR) or transitioning to a new EMR platform can be challenging and stressful for the respiratory therapy department. However, there are strategies for ensuring the respiratory therapy department is well-represented in the development phase. This presenter will identify development challenges and opportunities pertinent to the respiratory therapy manager during the pre-go-live phase of installing an EMR as well as assuring ongoing success.

The Earth is Not Flat, So Why Is Your Imaging? Clinical Application of 3D Modeling

11:55 AM - 12:30 PM

Ryan Sharkey MSc RRT RRT-NPS, Charlottesville VA

Content Category: EDU

Does your radiographic imaging feel too plain? 3D images and augmented reality are becoming popular education modalities. 3D imaging can help respiratory therapists visualize and teach abnormalities of the respiratory system. Open-source software and applications used to create 3D images will be introduced and augmented reality tools will be covered in this presentation with techniques, from basic to advanced, to create your own 3D models.

Closing Ceremony

12:45 PM - 2:15 PM

TBA



Matthew Pavlichko



Natalie Napolitano



Larae Sams



Ryan Sharkey

Exhibitors as of 8/2/19

A

AARC
Aerogen
Airgas Healthcare
Airon Corporation
Alpha-1 Foundation
American College of
Chest Physicians (CHEST)
Analytical Industries, Inc
Aureus Medical Group
Avanos Medical

B

B&B Medical Technologies
Baitella AG
Bay Corporation
Beyond Air, Inc.
(formerly AIT Therapeutics, Inc.)
Bio-Med Devices Inc.
Biovo Technologies
(Formerly Airway Medix)
BJC Healthcare
Boehringer Ingelheim
Pharmaceuticals, Inc.
Boehringer Laboratories, LLC
Breas Medical
Bunnell Incorporated

C

Cenorin
Children's Healthcare of Atlanta
Circassia Pharmaceuticals Inc
Commission on Accreditation For
Respiratory Care (CoARC)
Cross Country Allied
(formerly MSN Allied)

D

D R Burton
Dale Medical Products Inc.
Dartmouth-Hitchcock
 Draeger Inc.

E

Electromed, Inc.
ELSEVIER
Emory Healthcare

F

Fisher & Paykel Healthcare Inc
Flexicare Inc.
FloSure Technologies LLC

G

Gaumard Scientific
GE Healthcare
GEICO
Goldstein & Associates Inc
Genentech
Genstar Technologies Co, Inc.
(Gentec)
Getinge (formerly Maquet)
Grifols USA, LLC
GVS North America

H

Hamilton Medical Inc
Herzing University
Hillrom
Hollister Incorporated

I

IMT Analytics AG
IngMar Medical Ltd
Instrumentation Industries Inc
Instrumentation Laboratory
International Biomedical
Intersurgical, Inc

J

Jones & Bartlett Learning

K

Kettering National Seminars
Kootenai Health

L

Lee Health

M

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

N

National Board For
 Respiratory Care (NBRC)
 Neotech Products LLC
 Nihon Kohden America Inc.
 Nova Biomedical

O

Ohio Medical
 Oxitone Medical Ltd.

P

Passy-Muir Inc
 Percussionaire Corp
 Perma Pure
 Philips Healthcare
 Pima Medical Institute
 Praxair Healthcare Services
 Precision Medical, Inc.
 Pulmodyne
 PulmOne Advanced Medical
 Devices, Ltd.

R

Radiometer America Inc.
 ReddyPort
 Respiralogics
 RT/Sleep Review
 Rush University Medical Center

S

Salter Labs
 Sentec
 Seoil Pacific Corp.
 Siemens Healthineers
 Smiths Medical
 SunMed
 Sunovion Pharmaceuticals

T

TELCOR Inc.
 Teleflex
 TRACOE medical GmbH
 Trajecsys Corporation
 Tri-anim Health Services
 TSI, Inc.

U

UCLA Health
 University of Chicago Medicine
 University of Missouri

V

Vapotherm, Inc.
 Ventec Life Systems
 Verathon Medical
 VibraPEP
 VORTRAN Medical
 Vyair Medical

Z

ZOLL Medical Corporation

Registration and Fees

REGISTRATION FEES

Payment of appropriate 4 Days fee entitles registrant to attend all Congress 2019 official lectures, activities and social events November 9-12. Expenses for hotel, parking, meals and all other incidentals are not included and are the responsibility of the attendee.

Congress (4 Days)	Through Sept 9	After Sept 9 And On-site
AARC Member	\$437	\$495
AARC Senior Member	\$125	\$130
AARC Student Member	\$50**	\$90**
Non-member	\$600*	\$637*
Non-member Student	\$600***	\$637***
Guest	\$75**	\$80**

*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 Digital Level membership. Memberships included in the non-member rate will be activated within 30 days after Congress 2019.

Congress Daily Fees (Must register on-site)	Saturday or Sunday or Monday	Tuesday
AARC Member	\$237	\$180
AARC Senior Member	\$65	\$50
AARC Student Member	\$47**	\$47**
Non-member	\$367	\$280
Non-Member Student	\$367***	\$280***
Guest	Not Available	Not Available

**Students and guests do not earn CRCE credit.

*** Non-member students can save on Congress registration fees by first joining the AARC then registering as an AARC Student Member. Otherwise, non-member students must pay the non-member registration rate. Visit www.AARC.org and click "Membership" for details. 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://www.aarc.org/go/c19r/>.

Congress Day Tripper Package

A cost-saving group rate is available for AARC members and non-members: four 1-day pre-paid vouchers for \$717. See page 94 for complete details.

Terms & Conditions

PAYMENT

By credit card: American Express, MasterCard, VISA, and Discover 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.

Submit check payment to:

AARC
c/o 7 Technology Park Drive
Bourne, MA 02532

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.

Promotions: By registering for this event, the registrant acknowledges that the AARC may offer future promotions which may yield lower registration fees than those paid in the current transaction. The registrant enters into this agreement knowing this risk and understands that should that happen, refunds will not be issued for the difference.

Cancellation Protection: Congress 2019 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 2019 registration fees, purchased pre-courses and/or meeting add-ons (e.g. Gold/Platinum/VIP Passes, drink tickets, 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 Monday, November 4, 2019 at 11:59 p.m. CST. 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. Guest cancellations will receive a refund minus a \$35 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 Monday, November 4, 2019 at 11:59 p.m. CST 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 and 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 2019 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 2019 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: Anissa Buchanan at anissa.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 Friday, November 8, 2019.
- 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: Wednesday, October 16, 2019 or when the course is full.

Fees for each Pre-Course:

	Through Sept 9	After Sept 9 and On-Site
AARC member:	\$75	\$90
AARC Senior Member:	\$25	\$25
AARC Student Member:	\$25*	\$25*
Non-member Student:	\$100**	\$125**
Non-Member	\$100	\$125
Exhibitor	\$50	\$56

* Students do not receive CRCE credit.

** Non-member students can save on Pre-Course registration fees by first joining the AARC then registering as an AARC Student Member. Otherwise, non-member students must pay the non-member registration rate. Visit www.aarc.org and click "Membership" for details. Students do not earn CRCE credits.

#1.) The Burden of Asthma and Emerging Therapies

1:00 pm - 5:00 pm

#2.) Women in Leadership: Moving Forward

1:00 pm - 5:00 pm

To Register for Congress and Pre-Courses

Go to <http://www.aarc.org/go/c19r/>.

Receipts

A receipt for your registration fee(s) will be emailed to you upon completion of your registration. You may also request a receipt by emailing aarc@xpressreg.net or calling 972-243-2272. Present your receipt on-site to receive your name badge and Congress Program.

On-site Congress Registration Hours

Friday, November 8	10:00 am – 6:00 pm
Saturday, November 9	7:00 am – 4:00 pm
Sunday, November 10	7:30 am – 4:00 pm
Monday, November 11	8:00 am – 4:00 pm
Tuesday, November 12	8:00 am – 10:00 am
	8:00 am – 2:00 pm—CRCE Assistance Available

Site and Hotels Information

Convention Site

All official Congress pre-courses, lectures, exhibits and the Sputum Bowl Finals, unless otherwise noted, will take place at the Ernest N. Morial Convention Center, 900 Convention Center Boulevard, New Orleans, Louisiana 70130.

Official Congress 2019 Hotels

The headquarters hotel is the New Orleans Marriott, 555 Canal St., New Orleans, LA 70130. The Welcome Party will be held at the headquarters hotel.

Visit <http://www.aarc.org/go/c19h/> for all hotel rate information and reservation instructions, as well as a map showing our official hotels. Avoid scams when registering for the AARC Congress and booking your hotel by using only the links shown on this page.

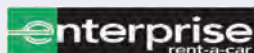
Travel Discounts

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

The air, car and shared-ride shuttle discounts are valid for the Louis Armstrong New Orleans International Airport (MSY) [www.flymsy.com]. The airport is approximately 16 miles away from the Ernest N. Morial Convention Center.



- **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 **049T0015** in the Convention Number (CV) discount code box.
- **Call** 800-654-2240 or 405-749-4434. Refer to Convention Discount Code **049T0015**.



Airport Shuttle: Shuttle service is available from **Airport Shuttle** from the airport to hotels and various other locations in New Orleans.

Receive the AARC \$4 per person discount by booking your individual and/or group shuttle at least **24 hours prior to your flight arrival time at this link:** <https://tinyurl.com/AARCSHuttle>

- **Shuttle service must be booked through the above link to receive the discount. The discount does NOT apply to shuttle service booked at the Airport Shuttle kiosks in the airport.**
- The fare includes up to three (3) bags per person. Additional baggage may be subject to additional fees.
- You can make changes to your reservation using the same link.
- Airport Shuttle vans are white with yellow lettering that says “Airport Shuttle” on the side.



Airport Limousines: Carey New Orleans® is the official car/limo service for the AARC Congress. Receive AARC Congress discounted rates by booking your car service at this link: <https://tinyurl.com/AARCCars>



- **Online** at delta.com. Choose “Advanced Search” and enter Meeting Event Code **NY2NJ**.
- Call Delta Meeting Network at (800) 328-1111. Refer to Meeting Code **NY2NJ**.



- **Online** at www.united.com. Choose “Advanced Search”. On the “Book a Flight” page, enter Offer Code **ZGJC750710** in the “Promotions and Certificates” box at the bottom of the page.
- **Call** United Reservations Meetings Desk at 800-426-1122. Refer to Z code **ZGJC** and Agreement Code **750710**.

AARC discounted rates are only available when booking reservations online using the link provided.

Taxicabs:

- Taxicab booths are located on the first level of the terminal outside of Baggage Claim belts 1 and 14. Passengers must wait in line at one of these booths for taxi service.
- Taxi rides cost approximately \$36.00 from the airport to the Central Business District (CBD) or the French Quarter (west of Elysian Fields) for up to two (2) passengers. Taxis are required to accept credit card payments.



Uber: Detailed information and download the app at this link: <https://tinyurl.com/AARCUber> Get \$5 off each of your first three rides. Use promo code **NEWRIDER15**. Expires 30 days after the promo code is applied to your Uber account.

Lyft: Detailed information and download the app at this link: <https://tinyurl.com/AARCLyft>

Reward your staff with a trip to Congress

Day Tripper Group Package \$717

Package includes: 4 one-day vouchers to AARC Congress 2019. Price equates to \$180 per day, a savings of about 25% from the daily full-day registration rate for AARC members.

The AARC is again offering everyone a flexible opportunity to attend this premier event.

Individual Attendees... Want to attend AARC Congress 2019, 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 Wednesday, October 16.
- You will receive 4 one-day vouchers to Congress 2019 in New Orleans.
- Each voucher is good for one person for any one of the 4 days of Congress (November 9-12).
- 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 \$237 for members or \$367 for nonmembers, a savings of up to \$187 per person!

Benefits to Attendees

- Earn CRCs 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 Wednesday, October 16.
- 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 2019.

• *Lectures will be presented November 9–12, Saturday through Tuesday. Note that exhibits are open November 9–11 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://www.aarc.org/go/c19d/>.

Questions?

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