CALIFORNIA THORACIC SOCIETY
NORTHERN CALIFORNIA
ANNUAL EDUCATIONAL CONFERENCE
FRIDAY JANUARY 18, 2019 – SATURDAY JANUARY 19, 2019

ARDS: ADVANCED STRATEGIES IN VENTILATOR MANAGEMENT;
ADVANCES IN SLEEP DISORDERED BREATHING
AND NONINVASIVE VENTILATION

JOINTLY PROVIDED BY:
THE CALIFORNIA THORACIC SOCIETY
THE AMERICAN THORACIC SOCIETY
And in cooperation with CALIFORNIA SOCIETY FOR RESPIRATORY CARE

A COMPREHENSIVE TWO DAY PROGRAM FOR PULMONOLOGISTS, CRITICAL CARE PHYSICIANS, INTERNAL MEDICINE PHYSICIANS, SLEEP SPECIALISTS, IN-TRAINING FELLOWS AND RESIDENTS, NPs, PAs, RNs, RTs, SLEEP TECHNOLOGISTS, PharmDs AND OTHER HEALTH CARE PROFESSIONALS IN THE FIELD OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE.
PORTOLA HOTEL, MONTEREY, CA
EARN 13.50 CME CREDITS / 13.50 CEU CREDITS
CME STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Thoracic Society (ATS) and California Thoracic Society (CTS). The ATS is accredited by the ACCME to provide continuing medical education for physicians.

The ATS designates this live activity for a maximum of 13.50 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The California Thoracic Society is approved by the California Board of Registered Nursing, Provider #CEP599 for 13.50 contact hours.

The course meets the requirements for CE for RCPs in California.

Course Information

ACTIVITY SUMMARY:
This conference brings together regional and national experts to discuss the latest advances in respiratory medicine. ARDS and Sleep Disordered Breathing are complex respiratory conditions faced by physicians, advanced practice and allied health professionals in the critical care, inpatient and ambulatory settings.

Friday's program focuses on the multidisciplinary approach to ARDS evaluation and management with an emphasis on complex case-based discussions and ventilator strategies.

Saturday's program focuses on evidence-based sleep apnea evaluation and management, complex sleep disordered breathing including sleep hypoventilation syndromes and noninvasive ventilation. The afternoon hands-on sessions will educate providers on appropriate uses of noninvasive ventilation, interpreting reports from devices and daytime use of noninvasive ventilation for chronic respiratory failure syndromes.

TARGET AUDIENCE:
The program is designed for all health care professionals involved with the care and treatment of patients with ARDS, Sleep Apnea Syndromes, Sleep-Related Hypoventilation Syndromes including COPD, Obesity Hypoventilation, Neuromuscular Diseases and Chronic Respiratory Failure. This includes pulmonologists, critical care physicians, internal medicine physicians, sleep specialists, in-training fellows and residents, NPs, PAs, RNs, RTs, sleep technologists and PharmDs and any other health care professionals in the field of pulmonary, critical care, and sleep medicine.

Educational Objectives

• Apply an evidence-based approach to diagnosis and treatment of ARDS.
• Understand the role of blood biomarkers in ARDS.
• Use effective ventilator strategies in the management of ARDS.
• Apply updated strategies for management of refractory hypoxemia in ARDS.
• Apply evidence-based approach to the diagnosis and management of Obstructive Sleep Apnea.
• Understand rationale and indications for in laboratory polysomnography versus home sleep testing.
• Apply evidence-based approach to the diagnosis and management of sleep related hypoventilation syndromes.
• Understand effective use and management of noninvasive ventilation for hypoventilation syndromes.
• Apply updated strategies for daytime application of noninvasive ventilation.
FACULTY

Michelle Cao, DO
Stanford University

Justin Phillips, RRT
UC San Francisco

Janine Vintch, MD
Harbor-UCLA

William Stringer, MD
Harbor-UCLA

Gregory Burns, RRT
UC San Francisco

Shannon Sullivan, MD
 Stanford University

George Su, MD
UC San Francisco

Vivian Yip, RRT
UC San Francisco

Won Lee, MD
UT Southwestern Dallas

Michael Matthy, MD
UCS San Francisco

Rich Kallet, MS, RRT
UC San Francisco

Gaurav Singh, MD
Stanford University

Angela Rogers, MD
Stanford University

Neil Ross MacIntyre, MD
Duke University

Atul Malhotra, MD
UC San Diego

Jim Fink, PhD, RRT, FCCP
Aerogen Pharma

Joseph Levitt, MD, MS
Stanford University

Kathleen Sarmiento, MD
UC San Francisco

Lance Pangilinan, RRT
UC San Francisco

Lisa Wolfe, MD
Northwestern University

Planning Committee

Philippe Montgrain MD
UC San Diego

Lorriana Leard MD
UC San Francisco

Rosemarie Fejerang RRT
UC San Francisco

Michelle Cao DO
Stanford University

Nisha Gidwani MD
UC San Francisco

Justin Oldham MD
UC Davis

Laren Tan MD
Loma Linda University

Travis Henry MD
UC San Francisco

William Stringer, MD
Harbor-UCLA

Niranjan Jeganathan MD
Loma Linda University

George Su MD
UC San Francisco

Matthew Dartt RRT
UC San Francisco

Vipul Jain MD
UCSF / Fresno

Chris Garvey FNP
UC San Francisco

Hotel Accommodations

The California Thoracic Society has secured a limited number of rooms at the Portola Hotel located at Two Portola Plaza, Monterey, CA 93940. For check-in on Thursday, January 17, 2019 and check-out on Sunday, January 20, 2019, the room rate is $209 per night plus taxes. Click on the following link to make your room reservations:


If you prefer to call the hotel, dial 1-888-222-5851; You must mention that you are with California Thoracic Society 2019 Conference to get your group rate.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Registration / Exhibits</td>
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<tr>
<td>8:00 am – 8:05 am</td>
<td>Welcome and Introductions; Pre-Test</td>
<td>William Stringer, MD; George Su, MD</td>
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<tr>
<td>8:05 am – 8:55 am</td>
<td>KEY NOTE SPEAKER:  The Acute Respiratory Distress Syndrome (ARDS)</td>
<td>Michael Matthay, MD</td>
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<tr>
<td>8:55 am – 9:45 am</td>
<td>Advances in Ventilator Management of ARDS</td>
<td>Angela Rogers, MD</td>
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<tr>
<td>9:45 am – 10:00 am</td>
<td>BREAK / EXHIBIT HALL OPEN</td>
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<tr>
<td>10:00 am – 10:45 am</td>
<td>Driving Pressure and Lung Mechanics</td>
<td>Atul Malhotra, MD</td>
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<tr>
<td>10:45 am – 11:35 am</td>
<td>Refractory Hypoxemia</td>
<td>Joseph Levitt, MD, MS</td>
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<tr>
<td>11:35 am – 12:05 pm</td>
<td>LARGE GROUP: (Audience Response): Ventilator Management 1</td>
<td>Lance Pangilinan, RRT; Justin Phillips, RRT; Gregory Burns, RRT; Vivian Yip, RRT; Rich Kallet, MS, RRT</td>
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<tr>
<td></td>
<td>Ventilator Graphics, Scalars, Lung Mechanics (ASL 5000 with vent)</td>
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<tr>
<td>12:05 pm – 1:10 pm</td>
<td>LUNCH / EXHIBIT HALL OPEN</td>
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<tr>
<td>1:10 pm – 1:55 pm</td>
<td>Consequences of Unintended Intubation</td>
<td>Neil Ross MacIntyre, MD</td>
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<tr>
<td>1:55 pm – 2:40 pm</td>
<td>ARDS, Respiratory Failure and Blood Biomarkers</td>
<td>Angela Rogers, MD</td>
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<tr>
<td>2:40 pm – 3:00 pm</td>
<td>BREAK / EXHIBIT HALL OPEN</td>
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<tr>
<td>3:00 pm – 3:45 pm</td>
<td>New Strategies in Aerosolized Therapies in Critical Care</td>
<td>Jim Fink, PhD</td>
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<tr>
<td>3:45 pm – 4:30 pm</td>
<td>LARGE GROUP: (Audience Response): Ventilator Management 2</td>
<td>Lance Pangilinan, RRT; Justin Phillips, RRT; Gregory Burns, RRT; Vivian Yip, RRT; Rich Kallet, MS, RRT</td>
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<td>Case Examples in ARDS and Respiratory Failure</td>
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<td>4:30 pm – 5:15 pm</td>
<td>Prone Positioning, Recruitment maneuvers</td>
<td>Rich Kallet, MS, RRT</td>
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<tr>
<td>5:15 pm - 5:20 pm</td>
<td>CLOSING REMARKS AND POST TEST</td>
<td>William Stringer, MD; George Su, MD</td>
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PROGRAM SCHEDULE

SATURDAY, JANUARY 19, 2019

ADVANCES IN SLEEP DISORDERED BREATHING AND NONINVASIVE VENTILATION

7:00 am – 8:00 am
Registration / Exhibits

8:00 am – 8:10 am
Welcome and Introductions; Pre-Test
Michelle Cao, DO

Advances in Sleep Apnea Evaluation and Management

8:10 am – 8:50 am
KEY NOTE SPEAKER: Evidence Based OSA Management and Non-PAP Therapies
Atul Malhotra, MD

8:50 am – 9:20 am
Cardiovascular Disease and Sleep Apnea: What is the Current Evidence?
Kathleen Sarmiento, MD

9:20 am – 9:50 am
Central Sleep Apnea and Heart Failure: PAP versus Oxygen versus Phrenic Nerve Stimulation
Lisa Wolfe, MD

9:50 am – 10:10 am
BREAK / EXHIBIT HALL OPEN

10:10 am – 10:40 am
The Perioperative Management of Sleep Disordered Breathing
Janine Vintch, MD

10:40 am – 11:10 am
Using Technology to Improve Outcomes in Sleep Disordered Breathing
Shannon Sullivan, MD

11:10 am – 11:40 am
Utility of the In Lab Polysomnogram in a New Era of Home Sleep Testing
Won Lee, MD

11:40 am – 12:10 pm
Central Sleep Apnea and Chronic Opioid Use
Kathleen Sarmiento, MD

12:10 pm – 1:10 pm
LUNCH / EXHIBIT HALL OPEN

Advances in Complex Sleep Related Respiratory Disorders and Noninvasive Ventilation

1:10 pm – 1:40 pm
Sleep Disordered Breathing in Neuromuscular Disease
Won Lee, MD

1:40 pm – 2:20 pm
Respiratory Assist Devices (ST, VAPS Technology), Interpreting NIV Downloads /Mask Interface Options
Faculty: Won Lee, MD; Lisa Wolfe, MD; Shannon Sullivan, MD; Gaurav Singh, MD; Michelle Cao, DO; Kathleen Sarmiento, MD

2:20 pm – 3:00 pm
Home Ventilators, Interpreting Ventilator Downloads and Daytime use of Noninvasive Ventilation
Faculty: Won Lee, MD; Lisa Wolfe, MD; Shannon Sullivan, MD; Gaurav Singh, MD; Michelle Cao, DO; Kathleen Sarmiento, MD

3:00 pm – 3:20 pm
BREAK / EXHIBIT HALL OPEN

3:20 pm – 4:00 pm
NIPPV for the Hypercapnic COPD and Obesities Hypoventilation Patient
Gaurav Singh, MD

4:00 pm – 4:40 pm
Daytime Use of NIPPV
Lisa Wolfe, MD

4:40 pm - 5:00 pm
Closing Remarks and Post Test
Michelle Cao, DO
REGISTRATION FORM

Name: ___________________ Degree: ___________________ 
Title: ___________________ 
Organization: ___________________ 
Address: ___________________ 
City: ___________________ State: ___________________ Zip: ___________________ 
Phone: ___________________ Cell: ___________________ 
Email: ___________________ 

Registration Fees Register by December 31, 2018 to lock-in early-bird rates!

<table>
<thead>
<tr>
<th>CTS Member Rates</th>
<th>Physician Member</th>
<th>Allied Health Professional / Emeritus Member</th>
<th>Fellow/Student</th>
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<tr>
<td>2 Day Registration</td>
<td>$350 Early-bird</td>
<td>$175 Early-bird</td>
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<td>$375 Standard</td>
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<tr>
<td>1 Day Registration</td>
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<td>$200 Standard</td>
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<tr>
<th>Non-Member Rates</th>
<th>Non-Member Physician</th>
<th>Non-Member Allied Health Professional</th>
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<td>$395 Early-bird</td>
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<td>$425 Standard</td>
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<tr>
<td>1 Day Registration</td>
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<td>$225 Standard</td>
<td>$150 Standard</td>
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Note that breakfast and lunch will be served on Friday and Saturday. There will also be some scheduled NCME Events that will be announced very soon.

Cancellations

Cancellations received before December 31, 2018 are subject to a $75 cancellation fee. No refunds or cancellations after December 31, 2018. Substitute attendees are permitted. All cancellation requests must be made in writing and sent to info@calthoracic.org.

Payment

☐ Check Enclosed (payable to California Thoracic Society)

Charge: ☐ Visa ☐ MasterCard ☐ AMEX

Card #: ___________________ Exp: ___________________

Signature: ___________________

Cardholder Name (Please Print Clearly) ___________________

Billing address associated with card: ___________________

Three Ways to Register:

1. On-Line: www.calthoracic.org (Visa/MC/AMEX)
2. By FAX: 703-752-4360 (Visa/MC/AMEX)
3. By Mail: CTS, 18 Bartol Street # 1054, San Francisco, CA 94133 (Check/Visa/MC/AMEX)

QUESTIONS:

Contact CTS at 415—536-0287 or email info@calthoracic.org