

## **Mechanical Ventilation Conference Covid-19: The Final Take – Online**

### **Activity Description**

This online course will showcase Mayo Clinic's Mechanical Ventilation specialists' experience with managing critically ill patients during the Covid-19 pandemic. Detailed education will be shared about providing respiratory care on a daily basis in a pandemic.

### **Target Audience**

This activity is designed for critical care providers, respiratory therapists, physicians, physician assistants and nurse practitioners.

### **Learning Objectives**

Upon conclusion of this activity, participants should be able to:

- Outline the physiologic principles and cardiopulmonary interactions underlying the risks, benefits, and applications of ventilator support for respiratory failure secondary to COVID-19 infection.
- Describe in detail the use of different modes of ventilator support, invasive and non-invasive, for patients with respiratory failure secondary to COVID-19 infection.
- Describe appropriate use of mechanical ventilation equipment following bio-safety rules and infection prevention measures
- Integrate pulmonary mechanics at the bedside in a personalized approach to mechanical ventilation for patients with respiratory failure secondary to COVID-19 infection.

Participation in this Mayo Clinic educational activity does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

### **Accreditation Statement**



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

### **Credit Statement(s)**

#### **AMA**

The Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of 4.5 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **Disclosure Summary**

As a provider accredited by Joint Accreditation Interprofessional Continuing Education, Mayo Clinic College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course Director(s), Planning Committee Members, Faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of these relevant financial relationships will be published in activity materials so those participants in the activity may formulate their own judgments regarding the presentation.

**Listed below are individuals with control of the content of this program who have disclosed...**

#### **Relevant financial relationship(s) with industry:**

Lise Piquilloud, M.D. – Consultant – Lowenstein  
Honoraria – Getinge, Hamilton Medical

Laurent Brochard – Grant – Medtronic Covidien, Draeger

**No relevant financial relationship(s) with industry:**

Luigi Camporota, M.D., Ph.D.  
June Mee Chae, M.D.  
Gustavo A. Cortes Puentes, M.D.  
Bhargavi Gali, M.D.  
Luciano Gattinoni, M.D.  
Steven R. Holets, R.R.T., LR.T.  
John J. Marini, M.D.  
Todd J. Meyer, R.R.T., L.R.T.  
Richard A. Oeckler, M.D., Ph.D.  
Renee Rasinski

**References to off-label and/or investigational usage(s) of pharmaceuticals or instruments in their presentation:**

None

For disclosure information regarding Mayo Clinic School of Continuous Professional Development accreditation review committee member(s) please visit: <https://ce.mayo.edu/content/disclosures>.

**Mayo Disclaimer**

Participation in this Mayo Clinic educational activity does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course. You should be aware that substantive developments in the medical field covered by this recording may have occurred since the date of original release.

**Prerequisites for Participation**

There are no prerequisites needed prior to participating in this education activity.

**How to Obtain Credit**

Learners are required to complete a post course quiz with an 80% pass rate. One re-take is allowed.

**Method of Participation**

Participation in this activity consists of reviewing the online content and completing the post-course quiz and evaluation.

**Release and Expiration Dates**

Release Date: March 5, 2021  
Expiration Date: March 4, 2024

**Acknowledgement of Commercial Support**

No commercial support was received in the production of this activity.

**Faculty and Course Director Listing and Credentials**

**Course Director**

Gustavo A. Cortes Puentes, M.D.

**Faculty**

Laurent J. Brochard, M.D.  
Luigi Camporota, M.D., Ph.D.  
June Mee Chae, M.D.  
Davide A. Chiumello, M.D.

Bhargavi Gali, M.D.  
Luciano Gattinoni, M.D.  
Steven R. Holets, R.R.T., L.R.T.  
John J. Marini, M.D.  
Richard A. Oeckler, M.D., Ph.D.

### **Bibliographic Resources**

- Guan WJ, Ni ZY, Hu Y, et al. China Medical Treatment Expert Group. Clinical Characteristics of Coronavirus Disease 2019 in China. *N Engl J Med*; 2020 doi:10.1056/NEJMoa2002032
- Wu Z, McGoogan JM. Characteristics of and Important Lessons From the Coronavirus Disease 2019 (COVID-19) Outbreak in China: Summary of a Report of 72 314 Cases From the Chinese Center for Disease Control and Prevention. *JAMA*. 2020 Feb 24. doi: 10.1001/jama.2020.2648. [Epub ahead of print]
- Surviving Sepsis Campaign: Guidelines on the Management of Critically Ill Adults with Coronavirus Disease 2019 (COVID-19). Co-publication in the Journals *Critical Care Medicine (CCM)* and *Intensive Care Medicine (ICM)*, March 2020.

### **Copyright**

Mayo Foundation for Medical Education and Research. All rights reserved. Copyright 2021.