

Mayo Clinic Critical Care Insights: COVID-19 Edition

Activity Description

This is an online course consisting of recorded critical care content around COVID-19 topics and lays the foundation for a critical care podcast. The target audience is critical care providers and those involved in COVID-19 patient care.

Target Audience

Critical Care Health Care Providers (intensivists, hospitalists, acute care nurse practitioners, physician assistants, nurses, pharmacists, respiratory therapists)

Learning Objectives

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

- Describe the technical, workflow changes in respiratory therapy practices during the COVID pandemic.
- Review the updated Mayo Clinic hypoxemia protocol.
- Discuss current use of prone positioning in patients with ARDS.
- Learn safe intubation practices in COVID-19 patients.
- Review best practices to minimize aerosol generation during intubation.
- Describe changes to rapid response, code team processes during the COVID pandemic.
- Discuss current training methods for code management and RRT teams.
- Identify common drug interactions seen in COVID patients.
- Describe current critical care drug shortages, and considerations for drug substitutions in this setting.
- Review common dosing considerations and adjustments in the setting of acute liver, kidney injury in COVID patients.

Attendance at this Mayo Clinic course 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 Statements

AMA

The Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of 6.75 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ANCC

Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of 6.75 ANCC nursing contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

Pharmacology Content

Select presentations will contain pharmacology content as noted in the program. Identified presentations represent approximately 3.75 hours of pharmacology content.

AAPA



Mayo Clinic College of Medicine and Science has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 6.75 AAPA Category 1 CME credits. Approval is valid until 04/30/2023. PAs should only claim credit commensurate with the extent of their participation.

ACPE

Mayo Clinic College of Medicine and Science designates this educational activity for a maximum of 6.75 ACPE Knowledge-based contact hours. Participants should claim only the credit commensurate with the extent of their participation in the activity.

Other Healthcare Professionals

A certificate of attendance will be provided to other healthcare professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

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.

Financial relationship(s):

Ognjen Gajic, M.D.	Grant/Research Support	WHO contract
	Other	IP rights to software applications licensed to Ambient Clinical Analytics, Inc; not related to this presentation

No Financial relationship(s):

Ben Anderson	Andrea (Annie) B. Johnson, APRN, C.N.P.
L'Wanda Dee Anderson	Kianoush B. Kashani, M.D., M.S.
Holly D. Behrns, R.R.T., L.R.T.	Lioudmila V. Karnatovskaia, M.D.
Sarah J. Bell, M.S.N., M.H.A., R.N.	Christine (Chris) M. Kelm, R.R.T., L.R.T.
Roberto P. Benzo, M.D.	Kirstin J. Kooda, Pharm.D., R.Ph.
Daniel R. Brown, M.D., Ph.D.	Hannah G. Lechner, M.H.A.
Sean M. Caples, D.O., M.S.	Lindsey M. Lehman, M.P.H., M.H.A.
Jonathan E. Charnin, M.D.	Andrea Y. Lehnertz, APRN, CNS, M.S.N.
Patrick J. Cornelius, P.T., D.P.T., CCS	Todd J. Meyer, R.R.T., L.R.T.
Gustavo A. Cortes Puentes, M.D.	Victoria R. Milano, Pharm.D., R.Ph.
Benjamin T. Daxon, M.D.	Megan S. Miller
Erin Sullivan DeMartino, M.D.	Andrea M. Nei, Pharm.D., R.Ph.
Yue Dong, M.D.	Alexander S. Niven, M.D.
Jennifer L. Elmer, APRN, CNS, D.N.P.	Katee L. Paine, R.N.
Lori A. Faulhaber, R.R.T., L.R.T.	Shannon L. Piche, Pharm.D., R.Ph.
Alice Gallo De Moraes, M.D.	Jeffrey (Jeff) T. Rabatin, M.D.
Lydia C. Geiszler, O.T.	Alejandro A. Rabinstein, M.D.
Stephen J. Gleich, M.D.	Mariela Rivera, M.D.
Katherine (Kate) J. Heise, APRN, C.N.P., M.S.N.	Benjamin J. Sandefur, M.D.
Tanner J. Hill, R.R.T., L.R.T.	Julie A. Schmidt, M.S.N., R.N.
Rachael L. Hodny, M.B.A.	Emily A. Schmitt, O.T.
Steven R. Holets, R.R.T., L.R.T.	Joseph (Joe) P. Temeyer, R.N., CCRN
Sumedh S. Hoskote, M.B.B.S.	Michael E. Wilson, M.D.
	Christine S. Wolf, R.N.

Reference to off-label usage(s) of pharmaceuticals or instruments in their presentation:

Sumedh S. Hoskote, M.B.B.S. Hydroxychloroquine/chloroquine, Lopinavir/ritonavir, Remdesivir, Sarilumab, Tocilizumab, Lenzilumab, Convalescent plasma

For disclosure information regarding Mayo Clinic School of Continuous Professional Development accreditation review committee member(s) and staff, please go here to [review 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

To obtain credit, complete the post-test, evaluation and submit.

Method of Participation

Participation in this activity consists of reviewing the video content, completing the post-test, and evaluation.

Release and Expiration Dates

Release Date: May 01, 2020

Expiration Date: April 30, 2023

Acknowledgement of Commercial Support

This course is supported, in part, by educational grants from Pfizer, Inc. in accordance with ACCME Standards.

Faculty and Course Director Listing and Credentials

Course Directors

Benjamin T. Daxon, M.D.

Alexander S. Niven, M.D.

Mariela Rivera, M.D.

Faculty

Ben Anderson

L'Wanda Dee Anderson

Holly D. Behrns, R.R.T., L.R.T.

Sarah J. Bell, M.S.N., M.H.A., R.N.

Roberto P. Benzo, M.D.

Daniel R. Brown, M.D., Ph.D.

Sean M. Caples, D.O., M.S.

Jonathan E. Charnin, M.D.

Patrick J. Cornelius, P.T., D.P.T., CCS

Gustavo A. Cortes Puentes, M.D.

Benjamin T. Daxon, M.D.

Erin Sullivan DeMartino, M.D.

Yue Dong, M.D.

Jennifer L. Elmer, APRN, CNS, D.N.P.

Lori A. Faulhaber, R.R.T., L.R.T.

Ognjen Gajic, M.D.

Alice Gallo De Moraes, M.D.

Lydia C. Geiszler, O.T.

Stephen J. Gleich, M.D.

Katherine (Kate) J. Heise, APRN, C.N.P., M.S.N.

Tanner J. Hill, R.R.T., L.R.T.

Rachael L. Hodny, M.B.A.

Steven R. Holets, R.R.T., L.R.T.

Sumedh S. Hoskote, M.B.B.S.

Andrea (Annie) B. Johnson, APRN, C.N.P.

Lioudmila V. Karnatovskaia, M.D.

Christine (Chris) M. Kelm, R.R.T., L.R.T.

Kirstin J. Kooda, Pharm.D., R.Ph.

Hannah G. Lechner, M.H.A.

Lindsey M. Lehman, M.P.H., M.H.A.

Andrea Y. Lehnertz, APRN, CNS, M.S.N.

Robert D. McBane, II, M.D.

Todd J. Meyer, R.R.T., L.R.T.

Victoria R. Milano, Pharm.D., R.Ph.

Megan S. Miller

Andrea M. Nei, Pharm.D., R.Ph.

Alexander S. Niven, M.D.

Katee L. Paine, R.N.

Shannon L. Piche, Pharm.D., R.Ph.

Jeffrey (Jeff) T. Rabatin, M.D.

Alejandro A. Rabinstein, M.D.

Mariela Rivera, M.D.

Benjamin J. Sandefur, M.D.

Julie A. Schmidt, M.S.N., R.N.

Emily A. Schmitt, O.T.

Joseph (Joe) P. Temeyer, R.N., CCRN

Michael E. Wilson, M.D.

Christine S. Wolf, R.N.

Copyright

Mayo Foundation for Medical Education and Research. All rights reserved. Copyright 2020