

# Updates in Family Medicine Online Course

## Activity Description

This Mayo Clinic and Kaiser Permanente collaboration offers a comprehensive family medicine update course designed for practicing primary care and family medicine providers. This course highlights the latest recommendations involving medical specialties important to the primary care setting that can be applied immediately into practice.

## Target Audience

This course is designed for family physicians, general internists, physician assistants, nurse practitioners, and nurses in primary care and family practice.

## Learning Objectives

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

- Formulate a management approach for a patient with chest pain
- Assess the appropriate immunizations administered to children and adults for protection against preventable, infectious diseases
- Formulate a management approach for a patient with colon polyps
- Measure how to manage a patient with pulmonary nodules
- Analyze ways to integrate skills for point-of-care ultrasound into your practice
- Interpret appropriate treatments for common acute ENT injuries
- Interpret outpatient procedures including musculoskeletal injections

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 Statement(s)

### AMA

Mayo Clinic College of Medicine designates this enduring activity for a maximum of 14.50 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### AAFP

The AAFP has reviewed Updates in Family Medicine - Online CME Course and deemed it acceptable for up to 14.50 Enduring Materials, Self-Study AAFP Prescribed credit. Term of Approval is from 05/15/2023 to 05/15/2024. 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 activity for a maximum of 14.50 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

## AOA

The American Osteopathic Association designates this program for a maximum of 14.50 AOA Category 2-A credits.

## Other Healthcare Professionals

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

## Disclosure Summary

As a provider accredited by Joint Accreditation for Interprofessional Continuing Education, Mayo Clinic College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. All who are in a position to control the content are required to disclose all financial relationships with any ineligible company. Faculty will also identify any off-label and/or investigational use of pharmaceuticals or instruments discussed in their content for FDA compliance.

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

### Relevant financial relationship(s) with ineligible companies:

Name	Nature of Relationship	Company
Rohit D. Divekar, M.B.B.S., Ph.D.	Consultant Intellectual Property Stock Shareholder	GSK/Omniprex Honorarium Intheknow, LLC QTRX, NVCR, TDOC
Robert M. Jacobson, M.D.	Consultant  Stock Shareholder	Merck & Co., Inc., Merck Research Laboratories, Optum AbbVie Company, Becton Dickinson & Co, Adobe Inc, Baxter, Medtronic PLC F, Johnson & Johnson, Takeda Pharma Co., Hubbell, Inc., RPM International, Eli Lilly & Company, 3M Company, Zimmer Biomet Hldgs, Abbott Laboratories
Rozalina G. McCoy, M.D., M.S.	Consultant	Emmi Solutions, LLC
David E. Midthun, M.D.	Consultant Board of Directors Grant/Research Support	UpToDate, Guardant Health Guardant 360 Biodesix, Guardant Health, Delphi Diagnostics
Kristin S. Vickers, Ph.D., L.P.	Consultant Intellectual Property	McCann Humancare, Biotronik, Inc. Mevoled, Inc.

**All relevant financial relationships listed for these individuals have been mitigated.**

### No relevant financial relationship(s) with ineligible companies:

Name	
Yvonne V.U. Bach, M.D.	Sean T. Powell, M.D.
David N. Brennan, M.D.	Karla Polk St. Germain, M.D.
Sarah J. Carpenter, APRN, C.N.P., D.N.P.	Carrie A. Thompson, M.D.
Kristina M. Colbenson, M.D.	
Megan Dulohery Scrodin, M.D.	Sidna M. Tullledge-Scheitel, M.D., M.P.H.
Jennifer M. Frank, APRN, C.N.P.	Nahid Y. Vidal, M.D.

Stephanie L. Hansel, M.D., M.S.	James C. Watson, M.D.
Nathan A. Jacobson, D.O.	Stephen J. Wisniewski, M.D.
Maryam Mahmood, M.B., Ch.B.	Susie Y. Yeh, M.D.
Heidi M. Meyer, M.D.	Kathleen (Katie) A. Young, M.D.
Jason S. O'Grady, Sr., M.D.	Corinne Irish
Lynne S. Peterson, M.D.	

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

Name	Manufacturer/Provider	Product/Device
Sarah J. Carpenter, APRN, C.N.P., D.N.P.	Unknown	IV ketamine
Heidi M. Meyer, M.D.	Various	Multiple supplements which by definition are not FDA approved as they are considered food items by the FDA
James C. Watson, M.D.	Various	Will discuss off-label usage, with disclosure, of pharmacologic agents

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

## 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.

## Method of Participation

Participation in this activity consists of reviewing the educational material, completing the learner assessment and evaluation.

## How to Obtain Credit

To obtain credit, complete the assessment, evaluation and submit.

## Release and Expiration Dates

Release Date: May 15, 2023  
Renewal Date: (If applicable)  
Expiration Date: May 14, 2026

## Acknowledgement of Commercial Support

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

## Faculty and Course Director Listing and Credentials

Course Director(s)  
Nathan A. Jacobson, D.O.  
Sean T. Powell, M.D.

Faculty

Yvonne V.U. Bach, M.D.  
David N. Brennan, M.D.  
Sarah J. Carpenter, APRN, C.N.P., D.N.P.  
Kristina (Kristi) M. Colbenson, M.D.  
Rohit D. Divekar, M.B.B.S., Ph.D.  
Megan Dulohery Scrodin, M.D.  
Jennifer M. Frank, APRN, C.N.P.  
Stephanie L. Hansel, M.D., M.S.  
Nathan A. Jacobson, D.O.  
Robert M. Jacobson, M.D.  
Maryam Mahmood, M.B., Ch.B.  
Rozalina G. McCoy, M.D., M.S.  
Heidi M. Meyer, M.D.  
David E. Midthun, M.D.  
Joy Miike, M.B.A.  
Jason S. O'Grady, Sr., M.D.  
Lynne S. Peterson, M.D.  
Sean T. Powell, M.D.  
Karla Polk St. Germain, M.D.  
Carrie A. Thompson, M.D.  
Sidna M. Tulledge-Scheitel, M.D., M.P.H.  
Kristin S. Vickers, Ph.D., L.P.  
Nahid Y. Vidal, M.D.  
James C. Watson, M.D.  
Stephen J. Wisniewski, M.D.  
Susie Y. Yeh, M.D.  
Kathleen (Katie) A. Young, M.D.

## **Bibliographic Resources**

Musculoskeletal Injection CONCISe REVIEW FOR CLINICIANS

Christopher M. Wittich, MD, PharmD; Robert D. Ficalora, MD; Thomas G. Mason, MD; and Thomas J. Beckman, MD, Mayo Clin Proc. 2009;84(9):831-837

Kroger A, Bahta L, Hunter P. General Best Practice Guidelines for Immunization. Best Practices Guidance of the Advisory Committee on Immunization Practices (ACIP). [www.cdc.gov/vaccines/hcp/acip-recs/general-recs/downloads/general-recs.pdf](http://www.cdc.gov/vaccines/hcp/acip-recs/general-recs/downloads/general-recs.pdf)].

## **Copyright**

Mayo Foundation for Medical Education and Research. All rights reserved. Copyright 2023