

Activity Description

Pharmacogenomics (PGx), the study of how one's genes may affect an individual's response to medication, is an emerging field within patient care. This online course uses over 50 engaging videos from Mayo Clinic experts to teach you how pharmacogenomics testing can make an impact in your practice. Topics include fundamentals of pharmacogenomics, how to interpret test results yourself, and tips on how to implement pharmacogenomics into your practice. Learn through case studies and listen as expert panels debate controversial questions about the field. Includes over 16 hours of content that you can go through at your own pace at work, at home, and even on your mobile device!

Target Audience

This activity has been designed for pharmacists, physicians, nurse practitioners, physician assistants, nurses, students, and other members of the health care team.

Learning Objectives*

- Describe what to consider when implementing pharmacogenomics in clinical practice
- Apply pharmacogenomics test results to make recommendations for an individualized medication management plan
- Identify barriers and challenges of considering pharmacogenomics in patient care

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 and Science designates this enduring material for a maximum of 16.00 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



ACPE

Mayo Clinic College of Medicine and Science designates this educational activity for a maximum of 16 ACPE **Knowledge** contact hours. Participants should claim only the credit commensurate with the extent of their participation in the activity.

2020 ACPE Universal Activity Number (UAN): JA0000238-0000-20-030-H01-P

2021 ACPE Universal Activity Number (UAN): JA0000238-0000-21-022-H01-P

ANCC

Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of 16 ANCC nursing contact hours. Nurses 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.

Financial relationship(s):

Relevant financial relationship(s) with industry:

Name	Nature of Relationship	Company
John Logan Black, M.D.	Full-time/Part-time Employee	Mayo Clinic, Mayo Clinic Laboratories
Timothy B. Curry, M.D., Ph.D.	Other: Consultant	Intellectual Property/Royalties: AssureX Health (Myriad) and OneOme LLC Geneticure
Edward V. Loftus, Jr. M.D.	Consultant	Abbvie, Allergan, Amgen, Boehringer-Ingelheim, Bristol-Myers Squibb, Celgene, Celltrion Healthcare, Eli Lilly, Genentech, Gilead, Janssen, Pfizer, Takeda, UCB
	Grant/Research Support	
	Stock/Shareholder	Abbvie, UCB, Amgen, Genentech, Janssen, Pfizer, Takeda, Roberts Clinical Trials, Gilead, Celgene, Receptos, Medimmune
	Other:	Exact Sciences
Liewei Wang, M.D., Ph.D.	Stock/Shareholder	Chief Medical Editor, Healio Gastroenterology (Slack, Inc)
Richard Weinshilboum, M.D.	Stock/Shareholder	OneOme. Co-founder of OneOme and stock holder of the company. OneOme LLC

No Financial relationship(s):

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 Elizabeth C. Ventresca, Pharm.D.

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

Name	Manufacturer/Provider	Product/Device
Edward V. Loftus, Jr. M.D.	Various (generic)	Combination of azathioprine/6-meccopto-purine and allopurinol to minimize hepatotoxicity of thiopurines

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 lectures and panels and completing the post-test and evaluation.

Release and Expiration Dates

Release Date: November 7, 2019

Expiration Date: October 31, 2022

Acknowledgement of Commercial Support

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

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