

Pharmacogenomics in Clinical Practice: Applications in Clinical Care, VI - Online

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 course aims to prepare today's clinician with the foundational concepts of the clinical application of pharmacogenomics, including real-life case examples. This module is a part of an education study by the Center for Individualized Medicine.

Target Audience

This activity has been designed for pharmacists, physicians, nurse practitioners, and physician assistants.

Learning Objectives

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

- 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

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

The Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of 7.75 *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 7.75 ACPE **Knowledge** contact hours. Participants should claim only the credit commensurate with the extent of their participation in the activity.

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| Pharmacogenomics in Clinical Practice Applications in Clinical Care, VI-Online | JA0000238-0000-21-093-H01-P |
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ANCC

Mayo Clinic College of Medicine and Science designates this activity for a maximum of 7.75 contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

Learning Modules

Pharmacogenomics in Clinical Practice Applications in Clinical Care, VI-Online
7.75 Hours of Content = 7.75 Credits

Disclosure Summary*

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

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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 |
| | Other: | Intellectual Property/Royalties: |
| Timothy B. Curry, M.D., Ph.D. | Consultant | 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, Robarts 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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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 |

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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 and with a pass rate of 80% or above (two attempts), evaluation and submit.

Method of Participation

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

Release and Expiration Dates*

Release Date: June 3, 2021
Expiration Date: December 31, 2021

Acknowledgement of Commercial Support (required when applicable*)

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

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Bibliographic Resources

Bibliographic resources are provided within the activity.

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