Pharmacogenomics in Clinical Practice

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 fundamentals of pharmacogenomics, including real-life case examples. Expert faculty provide the education needed to implement PGx into clinical practice.

--Pharmacogenomics in Clinical Practice: Essential Concepts
--Pharmacogenomics in Clinical Practice: Oncology
--Pharmacogenomics in Clinical Practice: Applications in Clinical Care

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

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 17.75 *AMA PRA Category 1 Credit(s)*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACPE

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Pharmacogenomics in Clinical Practice: Essential Concepts	JA0000238-0000-21-087-H01-P
Pharmacogenomics in Clinical Practice: Oncology	JA0000238-0000-21-088-H01-P
Pharmacogenomics in Clinical Practice: Applications in Clinical Care	JA0000238-0000-21-089-H01-P

ANCC
Mayo Clinic College of Medicine and Science designates this activity for a maximum of 17.75 contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

Learning Modules
Pharmacogenomics in Clinical Practice: Essential Concepts
Six Hours of Content = 6 Credits

Oncology
Five and One Half Hours of Content = 5.5 Credits

Applications in Clinical Care
Six and One Quarter Hours of Content = 6.25 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
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	Other:	Intellectual Property/Royalties: AssureX Health (Myriad) and OneOme LLC
Timothy B. Curry, M.D., Ph.D.	Consultant	Geneticure
Edward V. Loftus, Jr. M.D.	Consultant	
	Grant/Research Support	Abbvie, Allergan, Amgen, Boehringer-Ingelheim, Bristol-Myers Squibb, Celgene, Celltrion Healthcare, Eli Lilly, Genentech, Gilead, Janssen, Pfizer, Takeda, UCB
	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

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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

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

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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, 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: May 1, 2021
Expiration Date: October 31, 2022

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.