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.

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