

Center for Individualized Medicine Online Learning

Genomics in Clinical Practice: Neuro-Pharmacogenomics

Activity Description

As medicine moves away from a one-size-fits-all approach and toward a path of personalized medicine, pharmacogenomics is emerging as one of the key elements to this new model of caring for patients. Pharmacogenomics, the study of how genes affect a person's response to drugs, is relevant whenever prescriptions are part of the treatment plan. This applies to primary care, neurology, oncology, family medicine, and many other medical and surgical subspecialties. Hear how pharmacogenomics is making a difference in healthcare delivery, and how it is helping healthcare providers make a difference, one patient at a time.

Target Audience

This activity is appropriate for physicians, pharmacists, physician assistants, resident/fellows, nurses, nurse practitioners, and other health care team members.

Learning Objectives

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

- Define Anti-Seizure Medication (ASM) associated severe HLA reactions (e.g., Stevens Johnson, TEN) and DRESS syndrome (Drug Reaction with Eosinophilia and Systemic Symptoms)
- Outline cytochrome (CYP) P450 pathways in clopidogrel and nimodipine metabolism in cerebrovascular patients
- Discuss the future neurologic subspecialty PGx needs

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 .75 *AMA PRA Category 1 Credit(s)*[™]. 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 live activity for a maximum of .75 ANCC contact hour. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

Course Director

Timothy B. Curry, M.D., Ph.D.

Faculty

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Disclosure Summary

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Financial relationship(s):

<u>Name</u>	<u>Nature of Relationship</u>	<u>Company</u>
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None

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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 internet-based content and completing the post-test and evaluation.

Release and Expiration Dates

Release Date: August 31, 2020

Expiration Date: August 30, 2023

Acknowledgement of Commercial Support

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

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