

## Center for Individualized Medicine Online Learning

### Mayo Clinic Program for Rare and Undiagnosed Diseases

#### Activity Description

The Human Genome Project —the first mapping of a person's genetic blueprint — has unlocked mysteries of rare diseases that for ages bewildered medical science. As many as 25 million Americans – about 1 in 13 people - suffer from a rare, undiagnosed condition.

Mayo Clinic's rare and undiagnosed disease program has been able to make a diagnosis for nearly one-third of all patients with puzzling medical conditions, the results of which have served to treat millions of people with more common diseases. For example, today, in the United States, we treat several million Americans with statins as therapies for Coronary Artery Disease based on discoveries made studying rare types of hypercholesterolemia.

This module will distinguish the characteristics of rare and diagnosed diseases, identify reasons for why studying rare and undiagnosed diseases is important, and will present several case studies with positive patient outcomes.

#### 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 the difference between a rare disease and an undiagnosed disease
- Identify reasons for studying rare and undiagnosed diseases

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

##### ANCC

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#### Course Director

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

#### Faculty

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### **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):*

<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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