

# Earn up to 4 **FREE** AMA PRA Category 1 Credits™!

## METABOLISM 101

A four-part self-directed CME-accredited eLearning tutorial series on **Metabolic Disease Identification and Management** (for the non-metabolic)

[www.geneticmetabolic.com](http://www.geneticmetabolic.com)

### Metabolism 101 Tutorial 1

#### Introduction to metabolism

Georgianne Arnold, MD

1.0 AMA PRA Category 1 Credit™

**Introduction to metabolism** outlines a classification system for grouping and understanding the inborn errors. Many disorders of basic intermediary metabolism and complex molecules are introduced. Interactive case studies allow users to develop the skills to properly recognize and classify common and treatable metabolic disorders.

### Metabolic 101 Tutorial 2

#### The metabolic crisis

Mark Korson, MD

1.0 AMA PRA Category 1 Credit™

**The metabolic crisis** presents the clinical symptoms and signs of a metabolic crisis, reviews classic disease phenotypes, and provides an approach for testing for a possible metabolic diagnosis. Users learn to identify the basic tests to order in specific cases where metabolic disease is a consideration including the “metabolic screen”.

### Metabolic 101 Tutorial 3

#### A biochemical approach to diagnosis

Mark Korson, MD

1.0 AMA PRA Category 1 Credit™

**A biochemical approach to diagnosis** provides a physiologic understanding of metabolic acidosis, hyperammonemia and hypoglycemia. A simplified diagnostic algorithm is identified for each finding, enabling the user to take advantage of the biochemical finding as a diagnostic tool. Users then apply their knowledge to clinical scenarios through interactive case studies.

### Metabolic 101 Tutorial 4

#### Emergency management of metabolic disease

Georgianne Arnold, MD

1.0 AMA PRA Category 1 Credit™

**Emergency management of metabolic disease** reviews the physiologic and biochemical causes of a metabolic crisis. With this background, treatment strategies are proposed and the users are provided the opportunity to apply these strategies to various metabolic crisis scenarios.



**Dr. Mark Korson** is Medical Director of GMCE and previously served as Metabolism Service Director (2000-2014) at Tufts Medical Center. Since 2007, he has co-directed the North American Metabolic Academy, the premier training conference for genetic trainees on this continent, sponsored by the Society for Inherited Metabolic Disorders.



**Dr. Georgianne Arnold** is Associate Medical Director of GMCE and previously served as Professor of Pediatrics as well as Clinical Director of the Division of Medical Genetics (2010 – 2016) at the University of Pittsburgh Medical Center. She brings 25 years of experience in the diagnosis and care of patients with inborn errors of metabolism.

Nemours is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. *Nemours designates each of these enduring materials for a maximum of 1 AMA PRA Category 1 Credit(s)™.*

Physicians should claim only the credit commensurate with the extent of their participation in this activity.

