



Genetics Clinical Grand Rounds

Presented by
Department of Genetics
Yale School of Medicine

“Implementation and Assessment of Clinical Mitochondrial Genome Sequencing Test at the DNA Lab”

Dr. Chen Zhao, PhD, DABMGG, FACMG

Date: April 20, 2021 10:15am
via Zoom

[Zoom Link](#) – passcode: 781657

Course Director/Host: Dr. Rama Kastury, DO

There is no corporate support for this activity

This course will fulfill the licensure requirement set forth by the State of Connecticut

ACCREDITATION

The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

TARGET AUDIENCE

Attending physicians, clinical and basic scientists, nurses, residents, fellows, medical students, and other health care providers.

NEEDS ASSESSMENT

In addition to nuclear genome, human mitochondrial genome is an essential component of genetic information encoded in the human genome. Deregulation of mitochondrial genome as a result of small SNVs/Indels or large copy number variants contributes to mitochondrial diseases. This demands a molecular testing approach for accurate and efficient detection of mitochondrial genome disorders. This presentation will summarize the implementation of mitochondrial genome sequencing test and assess its clinical utility at the Yale DNA diagnostic lab.

LEARNING OBJECTIVES

- 1) Assess differences between human nuclear genome and mitochondrial genome.
- 2) Review development and implementation of clinical mitochondrial genome sequencing test.
- 3) Evaluate clinical utility of mitochondrial genome sequencing in clinical cases.

DESIGNATION STATEMENT

The Yale School of Medicine designates this live activity for 1 AMA PRA Category 1 Credit(s)TM. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

FACULTY DISCLOSURES

Dr. Chen Zhao, PhD - none
Dr. Rama Kastury, DO - none

It is the policy of Yale School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational programs. All faculty participating as speakers in these programs are required to disclose any relevant financial relationship(s) they (or spouse or partner) have with a commercial interest that benefits the individual in any financial amount that has occurred within the past 12 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. The Center for Continuing Medical Education will ensure that any conflicts of interest are resolved before the educational activity occurs.