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 additional 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)™. 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

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