



Urology Grand Rounds

Presented by

Yale School of Medicine, Department of Urology

“Genetics of Male Infertility and Advanced Paternal Age”

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Date: Friday, December 11, 2020 7:30-8:30am

Location: Zoom Web Conference <https://zoom.us/j/98552642455>

Course Director/Host: Daniel Kellner, MD

There is no corporate support for this activity

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

LEARNING OBJECTIVES

At the conclusion of this activity, participants will be able to:

1. Know the diagnostic categories of male infertility and who should undergo genetic evaluation
2. Define the approaches used to analyze chromosome defects (numerical and structural)
3. Learn the numerical, structural, gene dosage and mutations associated with male infertility
4. Understand the importance of reproductive genetics to andrology and studies of advanced paternal age

NEEDS ASSESSMENT

1. There is a significant need for urologists to understand the etiologies of male infertility and today there is a large amount of data showing that the majority of male infertility has a genetic basis.
2. Numerical and structural autosomal and sex chromosomal defects underlie 25-30% of non-obstructive azoospermia and about 20% of oligozoospermia.
3. Other male infertility defects result from congenital genitourinary birth defects affecting the development and function of the genitourinary tract and one of these birth defects in particular, cryptorchidism, is the most common birth defect in full term newborn boys and 65% of them will have spermatogenic failure despite orchidopexy in early childhood.

DISCLOSURES

Lamb: Celmatix, Fellow, American Board of Bioanalysts, World Health Organization
Daniel Kellner, MD, Course Director: None

ACCREDITATION

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

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. 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.

TARGET AUDIENCE

The target audience are Urology attendings, residents, medical students and other healthcare providers