

FEBRUARY 24<sup>TH</sup>-26<sup>TH</sup> 2019

Tampa, Florida

# ***HUMAN TERATOGENS COURSE***

Environmental Factors That Cause Birth Defects

DIRECTED BY SARAH OBIČAN, MD

**USF Center for Advanced Medical  
Learning and Simulation (CAMLs)**

Jointly Provided by:



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# Course Description

As the only program of its kind nationally, the Human Teratogens Course will provide balanced and comprehensive information on the current knowledge and controversies in the field of teratology and counseling for pregnancy exposures. The faculty, many of whom are teratology and toxicology experts, will present lectures that will cover basic principles of teratology, embryology, and epidemiology as well as detailed information regarding maternal conditions and environmental exposures which may pose teratogenic effect in pregnancy and lactation. The course will also provide up-to-date information on common exposures and hot topics such as Zika and Opioids, which providers are likely to encounter in their practice.

## Targeted Audience

- Obstetricians
- Maternal Fetal Medicine Specialists
- Genetic Counselors
- Pharmacists
- Allied Health Professionals

## Competencies

- Patient care and procedural skills
- Medical knowledge
- Interpersonal and communication skills
- Patient-centered care
- Employ evidence based practice and professionalism

# Objectives

## As a result of participating in this activity, the learner will be able to:

- Identify exposures which confer teratogenic risk to embryo, fetus, or infant.
- Discuss the magnitude of risk to embryo or fetus associated with maternal conditions during pregnancy or preconception.
- Discuss the magnitude of risk to pregnancy associated with maternal medication exposures during pregnancy or preconception.
- Discuss the magnitude of risk to embryo or fetus associated with maternal illicit drug use during pregnancy or preconception.
- Determine magnitude of risk associated with paternal exposures.
- Assess risks to infants associated with exposures during lactation.



Genetic Counselor CEUs: This event has been submitted to the National Society of Genetic Counselors (NSGC) for approval of *Category 1 CEUs*. The American Board of Genetic Counseling (ABGC) accepts CEUs approved by NSGC for purposes of recertification. Approval for the requested CEUs and Contact Hours is currently pending.



This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through a joint providership of USF Health and the Organization of Teratology Information Specialists and the Teratology Society. USF Health is accredited by the ACCME to provide continuing medical education for physicians

USF Health designates this live activity for a maximum of 16 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



# Course Agenda

Activity Director: Sarah G. Običan, MD

## Sunday, February 24<sup>th</sup>, 2019

Time	Duration (min)	Activity	Topic	Speaker
7:00am - 8:00am	60	Registration Coffee		
8:00am - 8:15am	15		Welcome/Housekeeping	Sarah Običan, MD
8:15am - 9:00am	45		Introduction and Principles of Teratology	Lewis B. Holmes, MD
9:00am - 9:45am	45		Principles of Embryology	Anthony Scialli, MD
9:45am - 10:15am	30	Break		
10:15am - 11:00am	45		Introduction to Screening and Intervention in Pregnancy	Sarah Običan, MD
11:00am - 12:00pm	60		Implications of Fetal Substance Exposure	Mark Hudak, MD
12:00pm - 1:00pm	60	LUNCH		
1:00pm - 1:45pm	45		Infections in Pregnancy	Sonja Rasmussen, MD, MS
1:45pm - 2:30pm	45		Zika in Pregnancy	Sonja Rasmussen, MD, MS
2:30pm - 3:00pm	30	Break		
3:00pm - 3:45pm	45		Introduction to Epidemiology and Statistics	Russel Kirby, PhD
3:45pm - 4:45pm	60		To Smoke or Not to Smoke While Pregnant or Breastfeeding: What are the Consequences?	Christina Chambers, PhD, MPH

# Course Agenda

Activity Director: Sarah G. Običan, MD

## Monday, February 25<sup>th</sup>, 2019

Time	Duration (min)	Activity	Topic	Speaker
7:45am - 8:15am	30	Coffee		
8:15am - 9:00am	45		Autoimmune Conditions	Sarah Običan, MD
9:00am - 9:45am	45		What do we know about the Safety of Biologics for Use in Pregnancy and Lactation?	Christina Chambers, PhD, MPH
9:45am - 10:15am	30	Break		
10:15am - 11:00am	45		Balancing Psychiatric Disease Management and Psychotropic Drug Treatment	Katherine Wisner, MD, MS
11:00am - 12:00pm	60		Antiepileptic Drugs and Pregnancy: Models for Developmental Studies	Katherine Wisner, MD, MS
12:00pm - 1:00pm	60	LUNCH		
1:00pm - 1:45pm	45		Diabetes and Obesity	Judette Louis, MD, MPH
1:45pm - 2:30pm	45		Workplace Exposures	Anthony Scialli, MD
2:30pm - 3:00pm	30	Break		
3:00pm - 3:45pm	45		FDA Update	Leyla Sahin, MD, FACOG, MBA
3:45pm - 4:45pm	60		Herbals	Alfred Romeo, RN, PhD

# Course Agenda

Activity Director: Sarah G. Običan, MD

## Tuesday, February 26<sup>th</sup>, 2019

Time	Duration (min)	Activity	Topic	Speaker
7:45am - 8:15am	30	Coffee		
8:15am - 9:00am	45		Lactation and Medication	Adetola Louis-Jacques, MD
9:00am - 9:45am	45		Paternal Exposures	Anthony Scialli, MD
9:45am - 10:15am	30	Break		
10:15am - 11:00am	45		Teratogen Counseling: Perception and Communication of Risk	Nevena Krstić, MS, CGC
11:00am - 11:45am	45		Obtaining Sources of Information	Anthony Scialli, MD
11:45am - 12:00pm	15		Closing Remarks	Sarah Običan, MD

# Speaker Information

## ❖ Christina Chambers, PhD

Dr. Chambers is a perinatal epidemiologist and Professor of pediatrics at University of California, San Diego and Director of Clinical Research for the Department of Pediatrics at UCSD and Rady Children's Hospital. Her research focuses on birth defects, child health outcomes and environmental exposures in pregnancy. She is internationally known in the field of teratology.

## ❖ Lewis B. Holmes, MD

Dr. Holmes is a Professor at Harvard Medical School and the original director of the Human Teratogens course previously held at Harvard. He has spent over four decades researching causes of malformations in infants and determining the effects of exposures during pregnancy. His clinical interests include epidemiology of malformations, hereditary malformations, teratogens, causes of malformations, prenatal testing and diagnosis, and birth defects.

## ❖ Mark Hudak, MD

Dr. Hudak is the Chairman of Pediatrics at the University of Florida College of Medicine in Jacksonville. He is the co-author of the guidelines on neonatal abstinence syndrome issued by the American Academy of Pediatrics and is often consulted by the FDA for his expertise on issues related to drug therapy and clinical trials in neonates and children.

## ❖ Russell Kirby, PhD, MS

Dr. Kirby is a distinguished Professor and Marrell Endowed Chair at University of South Florida. He is a human geographer with extensive training and experience in public health practice, academic medicine, and academic public health. Dr. Kirby serves as principal investigator on several contracts through the Florida Department of Public Health for birth defects surveillance and prevention, and collaborates in national and international networks on birth defects and developmental disabilities epidemiology, perinatal outcomes of women receiving assisted reproductive technology, and international migration and pregnancy outcomes.



# Speaker Information

## ❖ Nevena Krstić, MS CGC

Ms. Krstić is an Assistant Professor and prenatal genetic counselor at the University of South Florida. She provides counseling in the Exposure in Pregnancy clinic at University of South Florida as well as counseling to the general public and/or healthcare providers who call the Florida Teratogen Information Service line requesting teratogen or reproductive information.

## ❖ Judette Louis, MD

Dr. Louis is an Associate Professor and Division director of maternal- fetal medicine at the University of South Florida. Her clinical and research interests include maternal medical complications and the effect on maternal and neonatal morbidity and mortality.

## ❖ Adetola Louis-Jacques, MD

Dr. Louis-Jacques is an Assistant Professor and maternal- fetal medicine specialist at the University of South Florida. Her research has centered on disparities in lactation and the impact of lactation on maternal health across the lifespan and aim to understand and improve mental health in the peripartum period.

## ❖ Sarah G. Običan, MD

Dr. Običan is an Assistant Professor, maternal- fetal medicine subspecialist at the University of South Florida. She has completed a fellowship in Teratology and Toxicology and she is the medical director of the Florida Teratogen Information Service. The program offers an Exposure in Pregnancy clinic where patients receive up to date personalized risk assessment for their pregnancy. The program also offers a telephone-based service providing individualized risk assessments for pregnant women and their providers in the State of Florida.

# Speaker Information

## ❖ Sonja Rasmussen, MD, MS

Dr. Rasmussen is a Professor at the University of Florida. Dr. Rasmussen recently joined the University of Florida after 20 years at the Centers for Disease Control and Prevention (CDC) in Atlanta. Dr. Rasmussen's research interests have focused on understanding causes of birth defects and other adverse pregnancy outcomes, the effects of medications during pregnancy on the fetus, morbidity and mortality related to genetic conditions, and the effects of infections during pregnancy on the pregnant woman and her fetus.

## ❖ Alfred Romeo, RN, PhD

Dr. Romeo is a teratogen information specialist at MotherToBaby Utah. He is a past OTIS board member, having served as Secretary. He has been with the program for over seven years and has three publications in peer-reviewed articles and has published more than 30 newsletter and other articles related to teratogen counseling.

## ❖ Leyla Sahin, MD, FACOG, MBA

Dr. Sahin is a Medical Officer in the Division of Pediatric and Maternal Health at the FDA. She is a board certified obstetrician-gynecologist with an expertise in FDA drug labeling.

## ❖ Anthony Scialli, MD

Dr. Scialli is a specialist in reproductive and developmental toxicology and in obstetrics and gynecology. He is the Director of the Reproductive Toxicology Center, a non-profit foundation in Washington, D.C., which maintains Reprotox®, an online data base on the effects on reproduction of drugs, chemicals, biologicals, and physical agents.

## ❖ Katherine Wisner, MD

Dr. Wisner is a psychiatrist and teratologist at Northwestern University. She is internationally recognized and funded expert in the treatment of mood disorders in women, with particular expertise in pregnancy and the postpartum period. Her research interests include impact of medication use during pregnancy for mood disorders.

# Course Location

## CAMLS

124 South Franklin Street,  
Tampa, FL

University of South Florida  
Center for Advanced Medical  
Learning and Simulation  
(CAMLS) is a state-of-the art  
healthcare simulation and  
training center housed in an  
impressive three-story 90,000  
square foot facility located in  
Downtown Tampa.



### Our partner hotel:

#### **Hilton Tampa Downtown**

Located 1.5 blocks from CAMLS, the Hilton is set in the heart of bustling downtown Tampa, Florida.

211 N. Tampa St. | Tampa, FL 33602 | (813) 204-3000

Mention CAMLS to get discount rate

For list of additional hotels please visit:

<https://caml-us.org/booking-information/downtown-hotels/>

# Registration

## ONE EASY WAY TO REGISTER; TWO EASY WAYS TO PAY

**To Register:** Go to [www.cme.hsc.usf.edu](http://www.cme.hsc.usf.edu) and click on “Course Calendar”

**Pay by Credit Card Online:** A payment confirmation will be emailed to the participant.

**Pay by Check:** After registering online, a payment voucher with instructions will be emailed to the participant. Registration will not be confirmed until payment is received.

**Please Note:** Payment will not be accepted onsite.

Member	Cost
Physicians	\$600.00
Genetic Counselors	\$350.00
Allied Health Professionals	\$350.00
Students/Residents/Fellows	\$250.00



# Refunds, Cancellations, and Disclosures

Cancellations must be requested in writing via fax to 813-224-7864 or e-mail to [cpdsupport@health.usf.edu](mailto:cpdsupport@health.usf.edu), and received by **February 10, 2019** in order to receive a refund. A \$100 cancellation fee will be assessed to cover administrative costs. There are no refunds for no-shows or for cancellations received after **February 10, 2019**. Substitutions are welcome without penalty.

USF Health Office of Continuing Professional Development the Organization of Teratology Information Specialists and the Teratology Society reserve(s) the right to cancel this activity due to unforeseen circumstances. In the unlikely event that this activity is cancelled, USF Health and the Organization of Teratology Information Specialists and the Teratology Society will not be responsible for any expenses incurred by the participant.

## Disclosures

USF Health adheres to ACCME Standards regarding commercial support of continuing medical education. It is the policy of USF Health that the faculty and planning committee disclose real or apparent conflicts of interest relating to the topics of this educational activity, that relevant conflict(s) of interest are resolved and also that speakers will disclose any unlabeled/unapproved use of drug(s) or device(s) during their presentation. Detailed disclosure will be made in the course syllabus.

If you have activity questions please contact [cpdsupport@health.usf.edu](mailto:cpdsupport@health.usf.edu), or call 813-224-7860.

The information provided at this CME/CE activity is for continuing education purposes only and is not meant to substitute for the independent medical/clinical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient's medical condition.

This activity has received institutional financial support from the Organization of Teratology Information Specialists and the Teratology Society.

USF is an Equal Opportunity / Affirmative Action / Equal Access Institution. For disability accommodations contact **Charmagne Branch-Price and 813-224-7859**, within five days of the event.