DEATH INVESTIGATION
FITTING THE PIECES
OF THE PUZZLE

December 13, 2017
7:30 a.m.- 5:00 p.m.

Jointly provided by the Department of Pathology and Laboratory Medicine, Forensic Division and the Office of Continuing Medical Education of the Brody School of Medicine at East Carolina University, in association with Eastern Area Health Education Center.
This conference focuses on the latest developments in forensic science and forensic medicine, which should lead to improved outcomes in death investigations. Whether investigating a crime scene, interviewing witnesses, or assessing clinical information, participating in this conference will better prepare you to work with multiple pieces of the puzzle, including:

**Objectives**

**Sudden Unexpected Death in Epilepsy: Impact and Potential Mechanisms**
- Define sudden unexpected death in epilepsy (SUDEP)
- Recognize its impact
- Describe risk factors for SUDEP
- Explore potential mechanisms

**Trends in Drug Deaths in Children in NC**
- Describe the epidemiology of NC child drug deaths
- Examine NC trends
- Identify useful information at scenes

**Postmortem Forensic Toxicology: An Update on North Carolina's Opioid Epidemic**
- Compare fentanyl and synthetic analogues
- Last man standing grab the Narcan?
- Identify trends in heroin deaths
- "Natural" opioid replacements are still dangerous

**Sudden Death in Apparently Healthy Individuals**
- Identify who is responsible for certification of such deaths
- Evaluate how to determine the manner of death in such deaths -- Importance of scene investigation
- Recognize that drug overdoses are common
- Describe and list common causes of death in healthy people

**State of the North Carolina State Medical Examiner Office**
- Review and update the training of Medical Examiners
- Discuss system challenges and changes arising with the opioid epidemic
- Assess how well we did with our plans for 2017

**Medical Examiner: Jurisdiction, COD, Samples – How We Do The Work**
- Which deaths should be investigated?
- Describe how to write a good cause of death statement
- Discuss what samples are taken and how to obtain them

**Gathering Information SAFELY at Drug Death Scenes**
- Recognize clues to the nature of the scene
- Assess what we need to do to be safe
- Discuss how to protect others handling the patient, the evidence

Increasing numbers of scenes with multiple patients/victims are occurring. Common source and multiple scenes in a short time frame is a variation on this theme -- having a plan is a help!

**Who Should Attend**

Physicians, Medical Examiners, Forensic Pathologists, EMS/ First Responders, Law Enforcement, ABMDI Death Investigators, other Forensic Scientists.
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Agenda

7:30a.m.-8:00a.m.  Registration & Breakfast Buffet
8:00a.m.-8:10a.m.  Welcome and Overview  
M.G.F. Gilliland, MD
8:10a.m.-9:10a.m.  Sudden Unexpected Death in Epilepsy: Impact and Potential Mechanisms  
Heidi M. Munger Clary, MD, MPH
9:10a.m.-10:10a.m. Trends in Drug Deaths in Children in NC  
Lisa C. Mayhew, MS
10:10a.m.-10:25a.m. BREAK
10:25a.m.-11:25p.m. Postmortem Forensic Toxicology: An Update on North Carolina’s Opioid Epidemic  
Sandra C. Bishop-Freeman, Ph.D. F-ABFT
11:25a.m.-12:15p.m. Sudden Death in Apparently Healthy Individuals  
Iana Lesnikova, MD, PhD
12:15p.m.-1:15p.m. LUNCH
1:15p.m.-2:15p.m.  State of the North Carolina State Medical Examiner Office  
Deborah L. Radisch, MD, MPH
2:15p.m.-3:15p.m.  Medical Examiner: Jurisdiction, COD, Samples – How We Do The Work  
Patricia Fore, BS, D-ABMDI
3:15p.m.-3:30p.m. BREAK
3:30p.m.-4:30p.m. Panel: Gathering Information SAFELY at Drug Death Scenes  
M.G.F. Gilliland, MD  
Roberto C. Portela, MD, FACEP  
Patricia Fore, BS-D-ABMDI  
Robert Evans-Special Agent, North Carolina SBI  
Chad Suggs, Lieutenant of Investigations, Pitt County Sheriff
4:30p.m.-5:00p.m. Summary and Q&A
5:00p.m. ADJOURN
Faculty

Program Director

M.G.F. Gilliland, MD  
Professor  
Forensic Division, Department of Pathology and Laboratory Medicine  
The Brody School of Medicine, East Carolina University  
Greenville, NC

Guest Faculty

Heidi M. Munger Clary, MD, MPH  
Assistant Professor of Neurology  
Director, Epilepsy and Clinical Neurophysiology  
Fellowships  
Wake Forest Comprehensive Epilepsy Center

Lisa C. Mayhew, MS  
Child Death Investigator/Trainer  
North Carolina Office of the Chief Medical Examiner  
Division of Public Health  
North Carolina Department of Health and Human Services

Sandra C. Bishop-Freeman, Ph.D. F-ABFT  
Deputy Chief Toxicologist  
North Carolina Office of the Chief Medical Examiner  
Division of Public Health  
North Carolina Department of Health and Human Services

Deborah L. Radisch, MD, MPH  
Chief Medical Examiner  
North Carolina Office of the Chief Medical Examiner  
Division of Public Health  
North Carolina Department of Health and Human Services

Patricia Fore, BS, D-ABMDI  
Staff Development and Training Coordinator  
Division of Public Health, Office of the Chief Medical Examiner  
North Carolina Department of Health and Human Services

Robert Evans  
Special Agent  
North Carolina State Bureau of Investigation

Chad Suggs  
Lieutenant of Investigations  
Pitt County Sheriff

Brody School of Medicine Faculty

Iana Lesnikova, MD, PhD  
Department of Pathology

Roberto C. Portela, MD, FACEP  
Department of Emergency Medicine
Credit

Accreditation:
The Brody School of Medicine of East Carolina University is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit:
The Brody School of Medicine of East Carolina University designates this live activity for a maximum of 7.50 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Eastern AHEC Contact Hours:
Certificates reflecting 7.50 contact hours of education will be awarded at the completion of the program.

EMT Credit:
Application has been made for 7.5 hours of education.

Handouts
A letter of confirmation which includes a link to a map and e-syllabus will be emailed a week prior to the program date. Please be sure we have a current email address for you upon registration in order to receive all follow-up course information. Hard copies will not be available. Please see registration information for further details. You may make changes to your contact information by visiting MyAHEC (http://my.ncahec.net). MyAHEC will allow you to set up an account to update personal information at any time as well as track your credit record.

Program Location
This program is being held at Eastern Area Health Education Center, 2600 W. Arlington Blvd., Greenville, NC.

Please bring a sweater or jacket to ensure your comfort.

Registration Information

Pre-registration is required. Advanced payment of fee is necessary to guarantee space. For your convenience, an e-syllabus which you can print from your computer is available at no extra charge. Payment may be made by check or by credit card. Registrations may be completed online at www.easternahec.net or faxed to (252) 744-5229. Checks should be made payable to Office of CME.

Registration fees include scientific sessions, breaks, lunch and online handouts:

- $125.00 MD, DO, PharmD or Other Doctorates
- $75.00 Other Professionals
- $50.00 Residents/Students

By attending this event, I acknowledge that Eastern AHEC staff and/or their designees including news media may take general (not close-up) photos or videos of this event for marketing/publicity purposes, and I further allow my likeness to be used in this manner. If I do not wish to appear in these photos or videos, I understand that it is my responsibility to notify Eastern AHEC staff so my preference can be met.

Eastern AHEC Cancellation Policy

- To be eligible for a refund, cancellations MUST be emailed to easternahec@ecu.edu at least one week in advance of the activity.
- No refunds will be given for cancellations less than one week prior to the activity.
- For continuing professional development activities canceled more than one week prior to the activity:
  - A $35.00 fee will be deducted from the refund, OR
  - The registrant may elect to apply the full amount toward a future Eastern AHEC continuing professional development activity being held with one year, OR
- Substitutions are welcome; advance notification encouraged

Americans with Disabilities Act
Individuals requesting accommodation under the Americans with Disabilities Act (ADA) should contact the Department of Disability Support Services at (252) 737-1016 (V/TTY) at least five business days prior to the program.

For more information about this program, please contact Christie Martin at martinchr16@ecu.edu or 252-744-5223.