

The background features a large, light blue graphic of a caduceus (a staff with two snakes entwined around it) and a pair of scales of justice. The scales are positioned on the left side, and the caduceus is on the right. The top of the page has a dark blue banner with a stylized, lighter blue graphic of a caduceus and scales.

30th Annual **Forensic Science Seminar**

October 24-25, 2013

Presented by

Hennepin County Medical Examiner's Office
Minnesota Coroners' and Medical Examiners' Association

Jointly sponsored by

Minnesota Medical Association
Hennepin County Medical Examiner's Office
Minnesota Coroners' and Medical Examiners' Association



MINNESOTA
MEDICAL
ASSOCIATION



Visit our website!

We invite you to visit the MC&MEA website for the most up-to-date information on the **30th Annual Forensic Science Seminar**.

From this site you can:

- **Download** seminar handouts (when available) and additional seminar registration forms.
- **Get** driving directions to the seminar.
- **Find** useful links and forms.
- **Learn more** about the Minnesota Coroners' and Medical Examiners' Association.

<http://home.earthlink.net/~mc-mea>

Target audience

Physicians

Medical personnel

Attorneys

Law enforcement

Death investigators

Morticians/funeral directors

Continuing Education Credit

- **Legal (CLE)**
- **Peace Officers Standards and Training (POST)**
- **Medical Examiner/Coroner Investigators (ABMDI)**
- **Medical (CME[‡], Nursing CEU[°])**
- **Mortuary Science CEUs (MDH-MSS)**

Application has been filed for CLE, POST, ABMDI and AAFP credits with the proper accrediting organizations. Determination of credit is pending.

[‡]This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Minnesota Medical Association, the Hennepin County Medical Examiner's Office and the Minnesota Coroners' and Medical Examiners' Association. The Minnesota Medical Association (MMA) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Minnesota Medical Association (MMA) designates this live activity for a maximum of 15.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

[°] This activity is designed to meet the Minnesota Board of Nursing's continuing education requirements. Nurses are responsible for determining whether this activity meets the requirements for acceptable continuing education credit.



Program — Day One
Thursday, October 24, 2013

- 7 a.m. REGISTRATION (*complimentary refreshments*)**
- 7:30-7:45 Introduction**
Lorren W. Jackson, M.D.
- 7:45-8 Spontaneous combustion!**
Michael R. Busian, M.D.
Objectives: Recognize unusual circumstances and understand scene safety; understand state statute regarding fire deaths; understand the importance of a thorough investigation
- 8-8:45 “John Doe” won’t cut it — Principles of identification**
David G. Taylor, M.D.
Objectives: Be aware of the differences between primary and secondary identification; learn the limitations and benefits of different methods of identification; appreciate an interesting case of difficult identification
- 8:45-10 Crime scene documentation and investigation of a double homicide**
Special Agent Jerome A. Koneczny, B.A., Michael B. McGee, M.D., Thomas H. Pertler, J.D., Patrick E. Warrick CLPE, CSCSA
Objective: Comprehend the importance of thorough crime scene documentation and follow-up investigation
- 10-10:15 BREAK (*refreshments served*)**
- 10:15-10:30 “I’m sorry, can you repeat that? The presumed cause of death is what?”**
Sarah E. Meyers, M.D.
Objectives: Appreciate an unusual method of self-inflicted injury; know the importance of collaboration between scene investigators and autopsy investigators
- 10:30-11:15 World War “D”: Drugs and death in America**
Kirk A. Hughes, RN, EMT, CSPI
Objectives: Recognize current usage trends in the U.S. of street and synthetic drug abuse; describe physiological effects; identify morbidity and mortality of street and synthetic drug use
- 11:15-12 p.m. Crash, boom, bam! Understanding crash reconstruction investigations**
Sergeant Lance Langford
Objective: Understand the role of Crash Reconstruction

- 12 p.m. -1** **LUNCH (included in registration fee)**
- 1-1:15** **When to call the coroner**
Mary Ann Sens, M.D., Ph.D.
Objectives: Distinguish key elements of a history which may require Coroner investigation; be familiar with provisions of MN 390 for assumption of death investigation by a Coroner
- 1:15-2** **Forensic radiology**
Rebecca M. Wilcoxon, M.D.
Objectives: Identify the current and potential uses of radiographs, CT and MRI imaging modalities in the practice of forensic pathology
- 2-2:15** **How leftovers can come back to bite you!**
James M. Evans, M.D., M.P.H.
Objective: Comprehend the impact of narcotic accessibility after hospice death
- 2:15-2:30** **Update on organ transplantation**
William D. Payne, M.D.
Objectives: Describe transplant activities in our region; characterize the diseases that are transmittable from donors to recipients; illustrate vascularized composite allografting
- 2:30-2:45** **BREAK (refreshments served)**
- 2:45-3** **Forensic death investigations**
Diana E. Magaard, M.A.
Objective: Be aware of the role of the MN Department of Human Services Death Investigators
- 3-3:15** **Crime Lab accreditation—Quality matters**
Catherine M. Knutson, M.S.
Objective: Illustrate the importance of accreditation within Crime Laboratories and discuss the impact poor quality has on the field of forensics
- 3:15-3:30** **Autoerotic asphyxia**
Vincent Tranchida, M.D.
Objectives: Identify classic features of an accidental autoerotic asphyxia death scene; discuss strategies for the autopsy examination, death certification, and communication with next of kin
- 3:30-3:50** **Green graves vs. traditional burial**
Tony Weber
Objectives: Distinguish the difference between a green burial vs. traditional burial; learn about the environmental impact

3:50-4:20 **The evolving demographic of drug abusers**
Mark A. Koponen, M.D., Sarah E. Meyers, M.D.
Objectives: Recognize the expanding demographic of prescription medication abusers; identify characteristic autopsy findings in IV abusers of oral preparation medications

4:20 **CONCLUSION OF DAY ONE**

4:30-5:15 **MC&MEA Annual Meeting**
MC&MEA members may remain in the main room for the annual business meeting

5:15-6:30 **DINNER (*on your own*)**

6:30-8:30 pm **Communicating with families after the death of their child**
Laura A. Crandall, P.T., M.A., Daniel M. Delmore, B.S., A. Quinn Strobl, M.D.
Objective: Understand how to best communicate with families after the death of their child



Program — Day Two
Friday, October 25, 2013

7:45 a.m. **REGISTRATION (*complimentary refreshments*)**

8-8:45 **Sudden unexplained death in childhood: Research, support, and recommendations**
Laura A. Crandall, P.T., M.A.
Objectives: Be familiar with the profile of toddlers who succumb to SUDC, learn about the services available to the families and appreciate the benefits of retaining genetic samples in cases of sudden unexpected death in childhood

8:45-9 **Are you being manipulated?**
Andrew M. Baker, M.D.
Objectives: Know the risks associated with chiropractic neck manipulation; be aware of the hypothetical basis for subluxation producing organic disease; describe the history of chiropractic in the United States

- 9-9:15** **Medical examiner, coroner and forensic pathologist independence; Is it time to re-write 390?**
Lindsey C. Thomas, M.D.
Objectives: Comprehend the legislative, judicial, and association support for medical examiner, coroner, and forensic pathologist independence
- 9:15-9:30** **Lazarus phenomenon vs. hypothermia in an infant**
Peter T. Lin, M.D.
Objectives: Understand the definition of Lazarus phenomenon, recognize hypothermia as a possible mimic and know the importance of detailed medical documentation for proper diagnosis
- 9:30-10:15** **Hot topics from the MN Department of Health**
Ruth Lynfield, M.D.
Objectives: List two newly emerged infections; describe the epidemiology of these infections
- 10:15-10:30** **BREAK (*refreshments served*)**
- 10:30-10:50** **Suicide by waterfall?**
Enid D. Boeding, M.D., Lorren W. Jackson, M.D.
Objectives: Appreciate the importance of a multidisciplinary death investigation in a case of skeletonized remains, including discovery, recovery, postmortem examination, and identification
- 10:50-11:05** **Updated Minnesota Guidelines and Infant Death Investigation Reporting Form**
Butch M. Huston, M.D.
Objective: Identify the MN statute requiring an infant death investigation, be familiar with the necessity and objectives for completion of the form, learn about additional web sites to obtain further information and instructions
- 11:05-11:25** **In the aggregate: Minnesota's participation with the National Violent Death Reporting System**
Jon S. Roesler, M.S.
Objectives: Relate how public health uses data from medical examiners; recognize key milestones and essential system components in the development of the National Violent Death Reporting System (NVDRS); explain the involvement of Minnesota Department of Health with NVDRS
- 11:25-11:45** **Social media do's and don'ts**
Meg G. Knodl, M.S. Ed., M.L.I.S.
Objective: Be aware of the biggest gaffes and best practices for using social media for your organization and your personal brand

11:45-12 p.m. Sudden cardiac arrest in a child with congenital heart disease

Michael S. Madsen, M.D.

Objectives: Describe a case of cardiac arrest in a child with a history of surgically repaired congenital heart disease and learn how to investigate congenital heart disease deaths

12-1 LUNCH (included in registration fee)

1-2 Not as it seems—The Investigation of Gale Wani’s Death

Kristine S. Deters, M.S., Officer Mark Nunemacher, B.S., R. Ross Reichard, M.D.

Objectives: Recognize the importance of a thorough scene investigation to determine cause of death; appreciate the importance of using a multi-disciplinary team to solve a crime

2-2:15 Suicide by electrocution and the potential hazard to first responders

Kenneth S. Snell, M.D.

Objectives: Identify death by electrocution, including suicidal electrocutions; realize risks to first responders and how to interpret the death scene

2:15-2:30 Incarcerated death investigations

Mary E. Stahl-Swanson, A.A.

Objective: Know the importance of having a partnership between local law enforcement and the medical examiner’s office

2:30-2:45 BREAK (refreshments served)

2:45-3:30 Basics of Emergency Service Chaplaincy

Jeffrey D. Stewart, D.Min, M.Div

Objectives: Be familiar with what Emergency Service Chaplains can offer, and how to utilize their services at a death scene

3:30-4 Opioid maze: Clearing the confusion

Owen L. Middleton, M.D.

Objectives: Recognize current trends in the opioid related deaths; apply current recommendations to opioid related death investigations and certification

4 p.m. Closing remarks

Lorren W. Jackson, M.D.

Faculty

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Program Chairperson

*denotes faculty and planning team member

Location

Crowne Plaza Minneapolis North

**2200 Freeway Boulevard
Brooklyn Center, MN 55445**

Plenty of free parking is available in surface lots at the Crowne Plaza. Maps and directions can be viewed and downloaded at <http://home.earthlink.net/~mc-mea>, or by visiting mapquest.com.

From Minneapolis or Saint Paul:

Take I-94 West to I-694 West to Shingle Creek Parkway exit. Follow cloverleaf around and turn left. Go one block to Freeway Boulevard and turn left. The Crowne Plaza is ½ block on the right.

Accommodations

Crowne Plaza Minneapolis North

**2200 Freeway Boulevard
Brooklyn Center, MN 55445**

October 23-27, 2013 at a rate of \$89/night. This rate includes a full American breakfast and one complimentary drink ticket. Space and special rate cannot be assured after October 9, 2013.

A link to room reservations can be found at <http://home.earthlink.net/~mc-mea> or by calling 763-566-8000 and mentioning the MN Coroners' and Medical Examiners' 2013 Convention group rate.

Registration form (may be photocopied)

I will attend: Thursday, 10/24/13 **and/or** Friday, 10/25/13

Registration fee: \$280 to attend both days – lunch is included

I would like a printed copy of the handouts and have enclosed **\$25**.

I am a physician and have added **\$40**.

Optional Thursday evening session: Communicating with families after the death of their child
(To be eligible to participate in the evening session from 6:30-8:30 p.m., you must have registered and paid.)

Name

Job title

Employer

County

Office address

()

Office phone

()

Office fax

COMPLETE e-mail address

*NOTE: We will be distributing a list of attendees and their contact information to all conference participants.
If you do not wish to be on this list, please check here.*

Choice of lunch entrée for day 1 (served tableside at Crowne Plaza)

Please choose: Chicken Florentine Beurre Blanc **OR**

Tri-Colored Cheese Tortellini

(Lunch on day 2 will consist of an Outdoorsman-style lunch buffet served at Crowne Plaza.)

Special needs

Please advise us of any special needs you may have regarding facility access, hearing/vision, diet, etc.

We will do our best to accommodate you!

Your comfort

Please dress in layers—room temperature is unpredictable.

Payment

Registration check or purchase order
MUST accompany registration and be
received no later than October 16, 2013.

NO REFUNDS after October 18, 2013.

Make check payable to:

**Minneapolis Medical Research
Foundation (MMRF)**

Return completed registration to:

Joan Jung, Seminar Coordinator
Hennepin County Medical Examiner's Office
530 Chicago Ave., Minneapolis, MN 55415

Phone: 612-215-6320

Fax: 612-466-9980

***Videotaping and audiotaping are strictly prohibited
during the conference.***