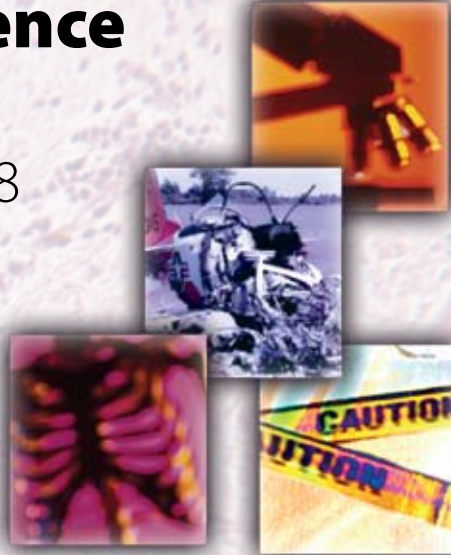


25th Annual

Forensic Science Seminar

October 2-3, 2008



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

Visit our website!

We invite you to visit the MC&MEA website for the most up-to-date information on the *25th Annual Forensic Science Seminar*.

From this site you can:

- **Download** 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>



Acknowledgements

Appreciation is expressed to LifeSource, American Donor Services, Minnesota Lions Eye Bank and American Tissue Services Foundation for providing refreshments at morning and afternoon breaks.

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 CME (MMA 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 (ACCME) 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 is accredited by the ACCME to provide continuing medical education for physicians.

The MMA designates this educational activity for a maximum of 14.50 *AMA PRA Category 1 Credits*[™]. Physicians should only claim 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 2, 2008

7:30 a.m. **REGISTRATION** (*complimentary refreshments*)

8 – 8:15 **Welcome and Remarks**
Lindsey Thomas, M.D.

8:15 – 9 **Cal Bandt Memorial Lecture**
Nothing is Certain but Death and Toxins
Lindsey Garfield
Objective: Realize the role drugs play in violent deaths in Minnesota

Calvin Bandt: 1933-2003

Dr. Calvin Bandt was an extraordinary physician, forensic pathologist and teacher. He practiced forensic medicine in the early days with Dr. John Coe and Dr. Kenny Osterberg. His passion was knowledge, a skill he applied to medicine, and in particular, pathology. He developed the Hennepin County Medical Center Clinical Labs and created the Hennepin County Medical Center Toxicology Lab. Along with Dr. Coe, he studied postmortem vitreous chemistry. His lifelong quest for knowledge, keen intellect, and passion for teaching illuminated the minds and shaped the lives of many. He is still sorely missed. This lecture is dedicated to his memory and his legacy.

9 –10 **Principles of Investigation**
Sergeant Bentley Jackson and Jill Romann
Objective: Review and clarify the role of multiple agencies in death investigation

10 –10:15 **BREAK** (*refreshments served*)

10:15 – 11:15 **Pregnancy-related Death**
Agnieszka Rogalska, M.D.
Objective: Define pregnancy-related death; identify and discuss, through case examples, the causes, risk factors and clinical presentations of selected pregnancy-related deaths; discuss the role of the autopsy and the death certificate in pregnancy-related deaths

11:15 – 12:15 **Now I Lay You Down to Sleep: A Guide for Complete Infant Death Investigation**
Roberta Geiselhart, BSN, F-ABMDI
Objective: Recognize the national standards for complete, thorough infant death investigation; recognize the necessity of doll re-enactment in infant death investigation; describe the resources available to assist with infant death investigation

12:15 – 1:15 **LUNCH** (*included in registration fee*)

1:15 – 1:45 **Death Certification of Infant Deaths: A Review of the Current Practice in Minnesota and Recommendations for Standardization**

Lindsey Thomas, M.D.

Objective: Review the current variety of phrases that are used on infant death certificates; become familiar with the types of infant deaths encountered, especially natural and accidental; recognize when an infant death does not meet “SIDS/SUDI/SUID” criteria; learn the recommendations from the National Association of Medical Examiners on signing infant death certificates

1:45 – 4:20 **Special Session: “Interesting Cases”**

Moderator: Lindsey Thomas, M.D.

1:45 – 2:05 **The Role of the MN SID Center**

Kathleen Fernbach, R.N., B.S.N., PHN

Objective: Identify which deaths to refer to the MN SID Center; describe how to access support services for families

2:05 – 2:25 **All Hands on Deck**

Thomas Uncini, M.D.

Objective: Understand the predisposing factors for spontaneous dissection of the coronary arteries

2:25 – 2:45 **Unexpected Hazard at the Convention Center**

Mitchel Morey, M.D.

Objective: Recognize the importance of investigation in environment-related deaths; present methods of autopsy case management in environment-related deaths; use example case to illustrate investigative and autopsy management

2:45 – 3:00 **BREAK** (*refreshments served*)

3 – 3:20 **Death and the City: Subway Fatalities in New York City**

Emily Duncanson, M.D.

Objective: Review certification of fatalities on a mass-transit railway

3:20 – 3:40 **The Identification of the Mall of America Jumper Through DNA Profiling**

Joe Cooksley

Objective: Describe the process of human remains identification using forensic DNA profiling

3:40 – 4 **Frozen Stiff**

Dave Peterson

Objective: Learn how much evidence can be discovered from a partially decomposed body frozen to the ground

4 – 4:20 **Unusual Exsanguination**
Eric Pfeifer, M.D.
Objective: Recognize unusual exsanguination types

4:20 **CONCLUSION OF DAY ONE**
Save your packets for tomorrow!

4:30 – 5:15 **MC&MEA Annual Meeting**
MC&MEA members may remain in the main room for the annual business meeting commencing immediately at the conclusion of the day's program

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

6:30 – 8 p.m. **WORKSHOP: Doll Reenactments at Death Scenes**
Andrew Baker, M.D., Lora Kibbee, Roberta Geiselhart, BSN, F-ABMDI
Objective: Explain the rationale for conducting the doll reenactment to the witness(es); describe and demonstrate the critical reenactment positions to the witness(es)

Program — Day Two

Friday, October 3, 2008

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

8 – 8:30 **The I-35W Bridge Collapse: Victim Recovery**
Sergeant Steve LaBatt
Objective: Discuss the hazards encountered in the recovery operations; discuss the established protocols for unoccupied vehicle recovery, vehicles with victims and victims; discuss the partnerships with federal, state, county, city, medical examiner offices and private contractors and the need to effectively communicate with them; share lessons learned

8:30 – 9 **The I-35W Bridge Collapse: Medical Examiner's Response**
Andrew Baker, M.D.
Objective: Know the issues that arise from transportation disasters; list the demands placed on the medical examiner's office that are not encountered during normal operations; explain ways to disseminate information to families and the media using current technology

- 9 – 9:30** **The Minnesota Mortality Registry in Transition**
Steve Elkins
Objective: Recognize the importance of accurate death registration; understand the current features and use of the Minnesota Mortality Registry; list important innovations in death registration being developed to improve the accuracy and timeliness of death registration in Minnesota
- 9:30 – 9:45** **BREAK (*refreshments served*)**
- 9:45 – 10:45** **Drive-through Dilemma: Reconstruction of a Single Motor Vehicle Crash**
Art Kosieradzki, J.D., and Susan Roe, M.D.
Objective: Recognize the importance of a thorough accident reconstruction in motor vehicle deaths; recognize the significance of a basilar skull fracture in conjunction with airbag deployment; recognize the importance of new information when re-evaluating a case
- 10:45 – 11:45** **MNTrac Update: New Functions That May Benefit You During an Incident**
Megan Thompson
Objective: Learn the various functions of MNTrac and how to best utilize this system during an event or incident
- 11:45 – 12:45** **LUNCH (*included in registration fee*)**
- 12:45 – 1:45** **Introduction to Minnesota Search, Rescue and Recovery Resources**
Jeffrey Hasse
Objective: Recognize that certain emergency situations present unique challenges to local emergency service providers for which they may not be prepared; be familiar with search, rescue, and recovery resources available in Minnesota; understand some of the challenges that face the search and rescue community in Minnesota
- 1:45 – 4** **Special Session: “Interesting Cases Part II”**
Moderator: Lindsey Thomas, M.D.
- 1:45 – 2:05** **How Innocence Projects Discover False Convictions and Exonerate the Innocent**
Julie Ann Jonas, J.D., and Michael Davis, J.D.
Objective: Describe the work of Innocence Projects and the common causes of wrongful convictions
- 2:05 – 2:25** **Air that Kills**
Andrew Baker, M.D.
Objective: List the potential causes of fatal venous air embolism; list autopsy procedures that can be used to document air embolism; describe the importance of surgical input before the autopsy of complex medical cases

- 2:25 – 2:45** **Up, Up and Away: Helium as a Method of Suicide**
Lindsey Thomas, M.D.
Objective: Become aware of the use of helium as a method of suicide; recognize scene findings that may indicate helium has been used; learn about websites that provide assistance to those contemplating suicide
- 2:45 – 3** **BREAK (*refreshments served*)**
- 3 – 3:20** **Beyond Influenza: Why do an Autopsy?**
Owen Middleton, M.D.
Objective: Understand the importance of proper sampling during examination; recognize the importance of communication with clinicians
- 3:20 – 3:40** **Tricky Traffic Trio: When a Motor Vehicle Accident Isn't**
Mary Ann Sens, M.D., Ph.D.
Objective: Recognize "non-traffic" causes of death in apparent traffic accidents; identify implications of correct death certification in apparent traffic accidents; accident vs. natural in "routine" traffic fatalities
- 3:40 – 4** **Cool Case**
A. Quinn Strobl, M.D.
Objective: To learn the postmortem findings of hypothermia and to stress the importance of critical thinking at the scene

4 p.m.

CLOSING REMARKS

Donald Deye, M.D.

- PARTICIPANT EVALUATIONS
- ATTENDANCE VERIFICATION FORMS

Please complete and submit both at the registration table prior to leaving the seminar!

Faculty

Andrew M. Baker, M.D.

Chief Medical Examiner
Board of Directors, MC&MEA
Hennepin County Medical Examiner's Office

Joseph Cooksley

Forensic Scientist 2
Bureau of Criminal Apprehension

Michael C. Davis, J.D.

Attorney
Michael C. Davis, Attorney at Law

Emily R. Duncanson, M.D.

Cardiovascular Pathologist
Jesse E. Edwards Registry of Cardiovascular Disease

Steven Elkins

State Registrar
Office of the State Registrar
Minnesota Department of Health

Kathleen Fernbach, R.N., B.S.N., PHN

Director, Minnesota Sudden Infant Death Center
Children's Hospitals and Clinics of Minnesota

Lindsey Garfield

Toxicology/Crime Scene Team Leader
Bureau of Criminal Apprehension

Roberta Geiselhart, BSN, F-ABMDI

Supervisor of Investigations
Board of Directors, MC&MEA
Hennepin County Medical Examiner's Office

Jeffrey Hasse

Vice President
Search, Rescue and Recovery Resources of MN

Sergeant Bentley Jackson

Police Sergeant
Burnsville, MN Police Department

Julie Ann Jonas, J.D.

Managing Attorney
Innocence Project of Minnesota

Lora J. Kibbee, D-ABMDI

Medical Examiner Investigator
Hennepin County Medical Examiner's Office

Arthur Kosieradzki, J.D.

Partner
Sieben, Grose, Von Holtum & Carey

Sergeant Steve LaBatt

Crime Scene Section Supervisor
Hennepin County Sheriff's Office

Owen Middleton, M.D.

Assistant Medical Examiner
Hennepin County Medical Examiner's Office

Mitchel Morey, M.D.

Assistant Medical Examiner
Hennepin County Medical Examiner's Office

Dave Peterson

Forensic Science Supervisor
Board of Directors, MC&MEA
Bureau of Criminal Apprehension

Eric Pfeifer, M.D.

Olmsted County Coroner
Assistant Professor
Mayo Clinic

Susan Roe, M.D.

Assistant Medical Examiner
Board of Directors, MC&MEA
Minnesota Regional Medical Examiner's Office

Agnieszka Rogalska, M.D.

Forensic Fellow
Hennepin County Medical Examiner's Office

Jill Romann

Senior Investigator
Minnesota Regional Medical Examiner's Office

Mary Ann Sens, M.D., Ph.D

Professor and Chair of Pathology
Board of Directors, MC&MEA
Coroner (various MN and ND counties)
University of North Dakota
School of Medicine and Health Sciences

A. Quinn Strobl, M.D.

Assistant Medical Examiner
Board of Directors, MC&MEA
Anoka County Medical Examiner's Office

Lindsey Thomas, M.D.

Medical Examiner
President, MC&MEA
Minnesota Regional Medical Examiner's Office

Megan Thompson

MNTrac Program Administrator
Office of Emergency Preparedness
Minnesota Department of Health

Thomas Uncini, M.D.

Medical Examiner
Board of Directors, MC&MEA
St. Louis County

Seminar Planning Team

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Administrator
Hennepin County Medical Examiner's Office

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Supervisor of Investigations
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Joan Jung

Seminar Coordinator
Executive Secretary, MC&MEA
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Anoka County Medical Examiner's Office

Lindsey Thomas, M.D.*

Medical Examiner
President, MC&MEA
Minnesota Regional Medical Examiner's Office

*denotes faculty & planning team member

Location

Earle Brown Heritage Center Garden Center Ballroom

**6155 Earle Brown Drive, Brooklyn Center, MN
55430**

Plenty of free parking is available in surface lots at the Heritage Center. 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. Turn right onto Shingle Creek, left at second stoplight (Summit Drive North), left again one block at Earle Brown Drive. Follow around to the main entrance on your right.

Accommodations

The Crowne Plaza Minneapolis North

2200 Freeway Blvd. in Brooklyn Center

Rooms blocked for October 1 and 2, 2008, at a rate of \$99/night. Space and special rate cannot be assured after September 20, 2008. Rooms can be reserved by visiting <http://home.earthlink.net/~mc-mea> or calling 763-566-8000 and mentioning the Forensic Science Seminar.

Registration Form (may be photocopied)

I will attend: Thursday, 10/2/08 **and/or** Friday, 10/3/08

Registration fee: \$260 to attend both days—lunch is included

I have added **\$40** for Continuing Medical Education (AMA Category 1) credit

Optional Thursday Evening Session: Doll Reenactment at Death Scenes by Hennepin County Medical Examiner's Staff *(To be eligible to participate in the evening session from 6:30–8 p.m., you must have registered and paid. There is no additional fee for this session. However, space may be limited and your attendance cannot be guaranteed.)*

Name Job Title

Employer County

Office Address

(_____) _____ (_____) _____
Office Phone Office Fax

COMPLETE E-mail address (Contact me via E-mail **OR** Standard Mail)

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 Earle Brown)

Please Choose: Grilled Flank Steak **OR**

Vegetable Lasagna

(Lunch on Day 2 will consist of a submarine sandwich buffet served at Earle Brown)

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!

Payment

Registration check or purchase order **MUST** accompany registration and be received no later than Sept. 25, 2008. **NO REFUNDS** after Sept. 29, 2008.

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

Videotaping and audio taping are strictly prohibited during the conference.