

**JOHN C. HUNSAKER III, M.D., J.D., M.A.**

CURRICULUM VITAE

**PERSONAL**

*Date of Birth:* October 21, 1942      *Place of Birth:* Ashland, KY  
*Citizenship:* USA      *Children:* John IV (Age 38)  
*Marital Status:* Married: Brenda C. Hunsaker, M.S.W.  
*Home Address:* 4525 Windstar Way  
Lexington, KY 40515-4818  
Phone: 859/273-9399  
*Business:* Office of the Associate Chief Medical Examiner  
University of Kentucky College of Medicine  
Department of Pathology and Laboratory Medicine  
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Frankfort, Kentucky 40601-8272  
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*Employment*  
*Titles:*

- Associate Chief Medical Examiner (1983-1998; 2005-Present)  
Deputy Medical Examiner (1998-2005)  
Division of Kentucky State Medical Examiner's Services  
Kentucky Justice and Public Safety Cabinet
- Director, Division of Forensic Pathology (1996-2002; 2005-Present)  
Department of Pathology and Laboratory Medicine

**EDUCATION**

**1960-1964** Yale College, New Haven, Connecticut  
**B.A.** (German Language & Literature), 1964

**1964-1967** University of Kentucky, College of Law,  
Lexington, Kentucky, **J.D.**, 1967

**1970-1972** University of Kentucky, Graduate School,  
Lexington, Kentucky, **M.A.** (German Language  
& Literature), 1974

**1973-1977** University of Kentucky, College of Medicine,  
Lexington, Kentucky, **M.D.**, 1977

## **EDUCATION - CONTINUED**

- 1977-1981** Department of Pathology, University of Kentucky  
College of Medicine, Lexington, Kentucky  
Internship and Residency  
Anatomic and Clinical Pathology
- 1981-1982** Office of the Chief Medical Examiner, Washington, D.C.  
Fellow  
Forensic Pathology

## **MILITARY SERVICE**

- 1968-1969** Legal Advisor, 66th Military Intelligence Group,  
United States Army, Munich, West Germany

## **AWARDS**

- 1960** City/Suburban High School All Star Baseball Game, Wrigley Field,  
Chicago, Illinois
- 1964** Most Valuable Player, Yale University Baseball
- 1969** Army Commendation Medal
- 1971** Delta Phi Alpha, German Honors Society
- 1977** Behavioral Science Book Award, University of Kentucky College of  
Medicine (Manuscript: *Retrolental Fibroplasia —Medicolegal Issues*)
- 2008** David Wolf Award for Excellence, Kentucky Coroners' Association

## **SOCIETIES**

- Member*, Kentucky Bar Association, 1967-Present  
*Member*, Lexington Med. Society; KY, and American Med. Associations, 1980-Present  
*Member*, Mid Atlantic Forensic Pathology Association, 1981-83  
**Fellow**, American College of Legal Medicine, 1977-Present  
*Member*, American Society of Law, Medicine & Ethics, 1986-Present  
**Fellow**, American Society for Clinical Pathology [formerly, of Clinical Pathologists], 1981-  
Present  
**Fellow**, College of American Pathologists, 1981-Present  
*Member*, Kentucky Society of Pathologists, 1987-Present  
**Fellow**, American Academy of Forensic Sciences, 1989-Present  
**Fellow** (Bylaws as of 2007); *Member*, National Association of Medical Examiners, 1984-Present  
*Member*, Southern Medical Association, 1989-Present  
**Fellow**, American Board of Forensic Examiners, 1996-Present

**FOREIGN LANGUAGE PROFICIENCY** German

**LEGAL LICENSURE** Kentucky, ID# 34710

**MEDICAL LICENSURE** Kentucky, #19600  
Washington, D.C. #12745 (inactive)

**HONORARY/SOCIAL SOCIETIES**

- 1962 Beta Theta Pi, Social Fraternity, Yale College
- 1964 Phi Alpha Delta, Legal Social Society, University of Kentucky College of Law
- 1971 University of Kentucky College of Law Alumni Association
- 1980 University of Kentucky College of Medicine Alumni Association

**BOARD CERTIFICATION**

**Diplomate**, American Board of Pathology  
Anatomic and Clinical Pathology, May, 1981  
Forensic Pathology, May, 1982

**Diplomate**, National Board of Medical Examiners, 1978

**Diplomate**, American Board of Forensic Examiners  
September, 1996

**Diplomate**, American Board of Forensic Medicine  
November, 1996

**FACULTY APPOINTMENTS**

**Clinical Assistant Professor**, Department of Pathology, Schools of Medicine and Dentistry, The Medical Center, Georgetown University, Washington, D.C., effective: July 1, 1982.

**Assistant Professor**, Department of Pathology, University of Kentucky College of Medicine, effective: February 15, 1983 to June 30, 1989.

**Associate Professor**, Department of Pathology and Laboratory Medicine, University of Kentucky College of Medicine, Lexington, Kentucky, effective: July 1, 1989 to June 30, 2002.

**Adjunct Assistant Professor** of Pathology, University of Louisville School of Medicine, Louisville, Kentucky, effective: May 1, 1987.

**Associate** of the Sanders-Brown Center on Aging, University of Kentucky, Lexington, Kentucky, effective: July 1, 1990.

**Interdisciplinary Fellow**, University of Kentucky College of Law, effective: Fall, 2001

**Joint Appointment: Professor**, Graduate Center for Toxicology, University of Kentucky Medical College of Medicine, Lexington, Kentucky, effective: January 22, 2002.

**Professor**, Department of Pathology and Laboratory Medicine, University of Kentucky College of Medicine, Lexington, Kentucky, effective: July 1, 2002.

## **COMMITTEES AND OFFICES**

### **UNIVERSITY of KENTUCKY**

- **Member**, University Chancellor's Periodic Review Committee for the College of Law, Spring, 1992

### **UNIVERSITY of KENTUCKY HOSPITAL**

- **Member**, Interdepartmental Trauma Quality Assurance Committee, University of Kentucky Hospital, 1993-2001.

### **UNIVERSITY of KENTUCKY COLLEGE of MEDICINE**

- **Member**, Scholarship Committee, University of Kentucky College of Medicine, 1987-1990.
- **Class Representative**, 1977, University of Kentucky Medical Alumni Association, 2000-2003

### **DEPARTMENT of PATHOLOGY and LABORATORY MEDICINE**

- **Member**, Executive Committee, 1996-Present.
- **Director**, Division of Forensic Pathology, 1996-Present.
- **Member**, Finance Group, Departmental Retreat, 1998.
- **Member**, Service Group, Departmental Strategic Planning Process, 1998-99.
- **Discussant**, Introduction to Pathology, PAT 823, 2000.

### **LOCAL/REGIONAL MEDICAL ORGANIZATIONS**

- **Member**, Coroner Liaison Committee, Lexington Medical Society, 1989-2002.
- **Member**, Search Committee for Forensic Toxicologist, KY Justice Cabinet, 2002.

### **NATIONAL FORENSIC ORGANIZATIONS**

- **Chair**, Pathology/Biology Awards Committee, Am. Acad. Forensic Sci., 1995-99.
- **Member**, Standards, Inspection and Accreditation Committee, Nat. Assoc. of Medical Examiners, 1997-Present.
- **Member**, Subcommittee on Awards, National Association of Medical Examiners, 1997-2003.
- **Member**, Board of Directors, National Association of Medical Examiners, 2000-2004.
- **Member**, Ad Hoc Committee on Advocacy Issues, National Association of Medical Examiners, 2000-2004.
- **Program Co-Chair**, Pathology/Biology Section, Annual Meeting of the American Academy of Forensic Sciences, Atlanta, GA, February, 2002
- **Co-Liaison** with the American Bar Association, National Association of Medical Examiners, 2002-Present
- **Member**, Bylaws Committee, National Assoc. of Medical Examiners, 2002-Present.
- **Member**, Standards Committee, National Assoc. of Med. Examiners, 2003-Present.
- **Chair** (2004-05), **Secretary** (2003-04), Pathol/Biol Section, Amer Acad Forensic Sci
- **Vice President**, National Association of Medical Examiners, 2005.
- **President**, National Association of Medical Examiners, 2006.
- **Member**, Executive Committee, National Assoc. of Medical Examiners, 2005-2007.
- **Member and Secretary**, Continuing Education Committee, AAFS, 2004-05.
- **Member**, Nominating Committee, AAFS, 2005-06.
- **Chair**, Board of Directors, National Assoc. of Med. Examiners, 2007

### **COMMUNITY SERVICE**

- **Chair**, Yale Alumni Schools Committee, Central Kentucky, 1980-1993.

- **Fellow**, University of Kentucky, 1987-Present
- **Class Representative**, 1977, U Of KY College of Medicine Alumni Association, 2008

## **TEACHING**

### **Residents**

- 1981-1983** \*Forensic Pathology, Resident Teaching, Washington, D.C. Medical Schools  
**1983-Present** \*Forensic Pathology, Resident Teaching, University of Kentucky

### **Medical Students**

- 1981-Present** \*PAT 823 (Lectures in Forensic Pathology)  
**1984-Present** \*PAT 856 (Fourth Year Elective in Forensic Pathology)  
**1990-Present** \*PAT815/PAT825 (First and Second Year Elective in Forensic Pathology)  
**2002** \*LAW 950-064 (Interdisciplinary Seminar: Bioethics: The Intersection of Law and Medicine). Sponsors: University of Kentucky Colleges of Law and Medicine

### **Graduate Students**

- 1991-Present** \*TOX 509 Contemporary Toxicology (Presentations in Forensic Toxicology)  
**1992,-94** \*TOX/PAT 660 Clinical Toxicology and Therapeutic Drug Monitoring (Presentations in Forensic Toxicology)

### **Law Students**

- 1999-2002** \*LAW 950-014 Scientific Evidence and Forensics Seminar [Aspects of Medicolegal Death Investigation]. Sponsor: University of Kentucky College of Law  
**2001-Present** \*CLINICAL EXTERNSHIPS: Sponsor: Fayette County Commonwealth's Attorney's Office  
**2002** \*LAW 950-064 (Interdisciplinary Seminar: Bioethics: The Intersection of Law and Medicine). Sponsors: University of Kentucky Colleges of Law and Medicine  
**2007-Present** \*CLINICAL EXTERNSHIP PROGRAM. Sponsor: Northern Kentucky University College of Law

### **Continuing Medical Education (AMA CATEGORY 1)**

- 1986-Present** \*Advances in Diagnostic Pathology, Occasional Presenter [for Intra-and Extramural Pathologists]. Sponsor: Department of Pathology and Laboratory Medicine
- Cocaine-related Coronary Artery Disease
  - Mitral Valve Prolapse
  - Histiocytoid Cardiomyopathy
  - Pregnancy-Related Splenic Artery Aneurysm Rupture
- 1991** \*Lecture: Pathology of Trauma. Sponsor: University of Kentucky Annual Trauma Symposium
- 2001** \*Moderator: Policy Issues in Bovine Spongiform Encephalopathy and Other Foodborne Diseases. Interdisciplinary Conference on State Law and Public Health. Sponsor: Multidisciplinary Colleges of the University of Kentucky, Lexington

## **TEACHING - CONTINUED**

### **Continuing Legal Education**

- 1986** \*Lecture: Gunshot Wounds. Sponsor: Commonwealth of Kentucky Department of Public Advocacy
- 1988-89** \*Seminar on Evidence and Kentucky Trial Practice: Medical Testimony and Cause of Death Determination for Civil and Criminal Proceedings (*Four Sessions*). Sponsor: University of Kentucky College of Law
- 1991** \*Lecture: Motor Vehicle Accidents and the Forensic Pathologist. Sponsor: Kentucky Academy of Trial Attorneys  
\*Talks on Autopsy and Official Death Investigation to High School Students [Bourbon County High School, Dunbar High School, Lafayette High School]
- 1999-Present** \*Expert Medical Witness at Mock Trials: Trial Advocacy for Kentucky Commonwealths' Attorneys. Sponsor: Kentucky Attorney General's Office
- 2001** \*Moderator: Policy Issues in Bovine Spongiform Encephalopathy and Other Foodborne Disease. Interdisciplinary Conference on State Law and Public Health. Sponsor: Multidisciplinary Colleges of the University of Kentucky

### **Undergraduate Students**

- 1970-72** Teaching Assistant in German, University of Kentucky Graduate School
- 1991** \*Facilitator for Student in Medical Illustration. Sponsor: University of Kentucky Office of Experiential Education
- 1998-present** \*Lectures in Forensic Pathology. Professional Education Preparation Program (**PEPP**) Sponsor: University of Kentucky Outreach Center for Science and Health Career Opportunities
- 1999** \*Lecture: Topics and Case Histories in Official Death Investigation. Sponsor: Forensic Science Program, Eastern Kentucky University
- 2003** \*PAS 842 (Elective Clerkship in Forensic Science), Division of Physician Assistant Studies, Department of Clinical Sciences, University of Kentucky College of Health Sciences

### **High School Students**

- 1985-Present** \*Talks on Autopsy and Official Death Investigation to High School Students [Bourbon County High School, Dunbar High School, Lafayette High School]
- 1989-Present** \*Autopsy Instruction at Medical Examiner's Office/Laboratory for students in High School Anatomy and Physiology, and Biology Classes [Paris High School, Metcalfe County High School, Bowling Green High School, Gallatin County High School, Shelby County High School]
- 1992-Present** \*Mentor for a variety of Fayette County High School Students rotating to the Medical Examiner's Office as part of **Experience Based Community Education**

### **Miscellaneous Students, Technicians, and Officials**

- 1983-Present** \*Autopsy Viewing and Instruction for: Paramedics, Respiratory Technicians, Nurses in Training, Prospective Autopsy Technicians, Hospital Staff, Emergency Department Staff, Detectives and Recruit Training Classes of the Kentucky State Police, various unsponsored College and High School Students, Law Interns from the Fayette County Commonwealth's Attorney's Office, Defense and Prosecution Attorneys in Kentucky.

**ARTICLES:**

**1982**

1. Roberts, W.C., Diccico, B.S., Waller, B.F., Kishel, J.C., McManus, B.M., Dawson, S.L., **Hunsaker III, J. C.**, Luke, J.L. *Origin of the Left Main From the Right Coronary Artery or From the Right Aortic Sinus with Intramyocardial Tunneling to the Left Side of the Heart via the Ventricular Septum: The Case Against Clinical Significance of Myocardial Bridge or Coronary Tunnel (Brief Communication)*. **Am Heart J** 1982;104:303-05.

**1984**

2. Sparks, D.L., **Hunsaker III, J.C.**, Slevin, J.T. *Postmortem Accumulation of 3-Methoxytyramine in the Brain (Letter)*. **New Engl J Med** 1984;311(8):540.

**1986**

3. Sparks, D.L., Slevin, J.T., **Hunsaker III, J.C.** *Putaminal 3-Methoxytyramine as a Gauge of the Postmortem Interval*. **J Forensic Sci** 1986;31:962-71.

**1987**

4. Slevin, J.T., Sparks, D.L., Dempsey, R.J., Davis, D.G., **Hunsaker III, J.C.**, DeKosky, S.T. *Altered Striatal Dopaminergic Metabolism 36 Hours After Unilateral Trauma to the Human Mesencephalon*. **Neurology** 1987;37:322-25.
5. Guthrie, Jr., G.P., **Hunsaker III, J.C.**, O'Connor, W.N. *Sudden Death in Hypothyroidism (Letter)*. **New Engl J Med** 1987;317(20):1291.

**1988**

6. Sparks, D.L., **Hunsaker III, J.C.** *The Pineal Gland in Sudden Infant Death Syndrome (SIDS): Preliminary Observations*. **J Pineal Research** 1988;5:111-18.

**1989**

7. Sparks, D.L., Oeltgen, P.R., Kryscio, R., **Hunsaker III, J.C.** *Comparison of Chemical Methods for Determining Postmortem Interval*. **J Forensic Sci** 1989;34:197-206.

**1990**

8. Sparks, D.L., **Hunsaker III, J.C.**, Scheff, S.W., Henson, J.L., Markesbery, W.R. *Cortical Senile Plaques in Coronary Artery Disease, Aging, and Alzheimer's Disease*. **Neurobiol Aging** 1990;11(6):601-07.

**ARTICLES - CONTINUED:**

9. Skene, D.J., Vivien-Roels, D., Sparks, D.L., **Hunsaker III, J.C.**, Pevet, P., Ravid, D., and Swaab, D.F. *Daily Variation in the Concentration of Melatonin & 5-Methoxytryptophol in the Human Pineal Gland: Effect of Age and Alzheimer's Disease.* **Brain Research** 1990;520:170-74.

**1991**

10. Sparks, D.L., **Hunsaker III, J.C.** *Increased ALZ-50-Reactive Neurons in the Brain of SIDS Infants - An Indicator of Greater Neuronal Death?* **J Child Neurology** 1991;6:123-27.
11. Sparks, D.L., **Hunsaker III, J.C.** *Sudden Infant Death Syndrome: Altered Aminergic-Cholinergic Synaptic Markers in Hypothalamus.* **J Child Neurology** 1991;6:335-39.

**1992**

12. Sparks, D.L., **Hunsaker III, J.C.** *Down's Syndrome: Occurrence of ALZ-50 Reactive Neurons and the Formation of Senile Plaques.* **J Neurological Sci** 1992;109:77-82.
13. Sparks, D.L., **Hunsaker III, J.C.**, Slevin, J.T., DeKosky, S.T., Kryscio, R.J., Markesbery, W.R. *Monoaminergic and Cholinergic Synaptic Markers in the Nucleus Basalis of Meynert (nbM): Normal Age-Related Changes and the Effect of Heart Disease and Alzheimer's Disease.* **Ann Neurol** 1992;31:611-620.
14. **Hunsaker III, J.C.**, O'Connor, W.N., Lie, J.T. *Spontaneous Coronary Arterial Dissection and Isolated Eosinophilic Coronary Arteritis - Sudden Cardiac Death in a Limited Variant of Churg-Strauss Syndrome (Case Report).* **Mayo Clin Proc** 1992;67:761-66.

**1993**

15. Sparks, D.L., Liu, H., Scheff, S.W., Coyne, C.M., **Hunsaker III, J.C.** *Temporal Sequence of Plaque Formation in the Cerebral Cortex of Non-Demented Individuals.* **J Neuropath Exp Neurol** 1993;52:135-42.
16. Kalaria, R.N., Fiedler, C., **Hunsaker III, J.C.**, Sparks, D.L. *Synaptic Neurochemistry of Human Striatum During Development: Changes in Sudden Infant Death Syndrome.* **J Neurochem** 1993;60:2098-2105.

**1994**

17. Sparks, D.L., Scheff, S.W., **Hunsaker III, J.C.**, Liu, H., Landers, T., Gross, D.R. *Induction of Alzheimer-like  $\beta$ -Amyloid Immunoreactivity in the Brains of Rabbits With Dietary Cholesterol.* **Exp Neurol** 1994;126:88-94.
18. **Hunsaker III, J.C.**, O'Connor, W.N., Lie, J.T. *Is Spontaneous Dissection of the Coronary Artery With Eosinophilia a Limited Form of Churg-Strauss Syndrome? (Letter).* **Arch Pathol Lab Med** 1994;118:863-64.

**ARTICLES - CONTINUED:**

19. Sparks, D.L., Landers, T.M., Scheff, S.W., Coyne, C.M., **Hunsaker III, J.C.** *Evidence for Apoptotic Neuronal Degeneration in Alzheimer's Disease and Other Disorders.* **Exp Neurol**, Submitted, 1994.

**1995**

20. Sparks, D.L., Scheff, S.W., Liu, H., Landers, T., Coyne, C.M., **Hunsaker III, J.C.** *Increased Incidence of Neurofibrillary Tangles (NFT) in Non-Demented Individuals With Hypertension.* **J Neurol Sci** 1995;131:162-69.

**1996**

21. Sparks, D.L., Davis, D.G., Mellert, T.M., Rasheed, K., Landers, T.M., Liu, H., Coyne, C.M., **Hunsaker III, J.C.** *Increased ALZ-50 Immunoreactivity in Sudden Infant Death Syndrome (SIDS).* **J Child Neurol** 1996;11(2):101-07.
22. Sparks, D.L., Scheff, S.W., Liu, H., Landers, T., Danner, F., Coyne, C.M., **Hunsaker III, J.C.** *Increased Density of Senile Plaques (SP), But Not Neurofibrillary Tangles (NFT), in Non-Demented Individuals With Apolipoprotein E4 Allele: Comparison to Confirmed Alzheimer's Disease Patients.* **J Neurol Sci** 1996;138:97-104.
23. Huggle, S., **Hunsaker III, J.C.**, Coyne, C.M., Sparks, D.L. *Oxidative Stress in Sudden Infant Death Syndrome.* **J Child Neurol** 1996;11(5):1-6.
24. Skinker, D.M., Coyne, C.M., Lanham, C.S., **Hunsaker III, J.C.** *Chasing the Casing: A 0.38 Special Suicide (Case Report).* **J Forensic Sci** 1996;41:705-08.

**1997**

25. Sparks, D.L., Coyne, C.M., Sparks, L.M., **Hunsaker III, J.C.** *Pineal Gland Size in Sudden Infant Death Syndrome and a Recommended Technique for Brain Removal to Retain Anatomic Integrity of the Gland (Technical Note).* **J Forensic Sci** 1997;42:100-02.
26. Skinker, D.M., Warnecke, S.C., Morrow, J., **Hunsaker III, J.C.** *DNA Typing of Azoospermic Semen at DIS80 Locus (Technical Note).* **J Forensic Sci** 1997;42:716-18.
27. Davis, G.J., **Hunsaker III, J.C.** *An Atypical Gunshot Wound of the Head: Putting the Scene and Autopsy Together.* **Am Soc Clin Pathol** Check Sample Forensic Pathology No. FP97-9 (FP-230). Chicago, IL: ASCP Press: 1997.

**ARTICLES - CONTINUED:**

**1999**

28. Sparks, D.L., Davis, D.G., Wilson, D., **Hunsaker III, J.C.**, Markesbery, W.R. *Diffuse Lewy Body Disease: Neurochemical, Neuropathological and Behavioral Correlations*. **Alzheimer Rep** 1999;2(1):43-54.

**2000**

29. Sparks, D.L., Gross, D.R., **Hunsaker III, J.C.** *Neuropathology of Mitral Valve Prolapse in Man and Cardiopulmonary Bypass (CPB) Surgery in Adolescent Yorkshire Pigs*. **Neurobiol Aging** 2000;21:363-72.
30. Sparks, D.L., Martin, T.A., Gross, D.R., **Hunsaker III, J.C.** *Link between Heart Disease, Cholesterol, and Alzheimer's Disease: A Review*. **Microsc Res Tech** 2000;50(4):287-90.

**2002**

31. Hanzlick, R., **Hunsaker III, J.C.**, Davis, G.J. *A Guide for Manner of Death Classification*. 1<sup>st</sup> ed. **National Association of Medical Examiners®**, Feb, 2002.
32. Sparks, D.L., and **Hunsaker III, J.C.** *Invited Paper Neuropathology of Sudden Infant Death (Syndrome): Literature review and evidence of a probable apoptotic degenerative cause*. **Childs Nerv Syst** 2002;18:569-592.
33. Hunsaker, D.M., **Hunsaker III, J.C.** *Therapy-Related Café Coronary Deaths Two Case Reports of Rare Asphyxial Deaths in Patients under Supervised Care*. **Am J Forensic Med Pathol** 2002;23:149-54.
34. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, and Parker Jr. J.C. *Sudden Unexpected Death in Epilepsy: Neuropathologic Findings*. **Am J Forensic Med Pathol** 2002;23;307-14.
35. Hunsaker, D.M., Turner, S., **Hunsaker III, J.C.** *Sudden and Unexpected Death Resulting from Splenic Artery Aneurysm Rupture: Two case reports of Pregnancy-Related Fatal Rupture of Splenic Artery Aneurysm*. **Am J Forensic Med Pathol** 2002;23:338-41.

**2003**

36. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, Rolf, C.M. *Multiple Self-Inflicted Gunshot Wounds of the Head: A Matter of Timing and Placement: Simultaneous or Sequential?* **Am Soc Clin Pathol** Check Sample Forensic Pathology No. FP 03- 2 (FP-283). Chicago, IL: ASCP Press:2003.
37. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** *Iatrogenic Catheter-Related Cardiac Tamponade: A Case Report of Fatal Hydropericardium Following Subcutaneous Implantation of a Chemotherapeutic Injection Port*. **J Forensic Sci** 2003;48:414-18.

**ARTICLES - CONTINUED:**

38. Schott, J.C., Davis, G.J., and **Hunsaker III, J.C.** *Accidental Electrocution During Autoeroticism A Shocking Case.* **Am J Forensic Med Pathol** 2003;24:92-5.
39. Sparks, D.L. and Sabbagh, M.N., Breitner J.C.S., **Hunsaker III, J.C.** *Is cholesterol a culprit in Alzheimer's disease?* **Int Psychogeriatr** 2003;15[Suppl. 1]:153-59.
40. Hunsaker, D.M., **Hunsaker III, J.C.**, Adams, K. C., Noonan, J.A, and Ackermann, D.M. *Fatal Kawasaki Disease due to Coronary Aneurysm Rupture with Massive Cardiac Tamponade (Case Report).* **J Ky Med Assoc** 2003;101:241-46.
41. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, Humbert, K.A. *Nonterrorist Suicidal Deaths Involving Explosives.* **Am J Forensic Med Pathol** 2003;24:107-113.

**2004**

42. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** *Abuse and Neglect: A Ten-Year Review of Mortality and Morbidity in our Elders in a Large Metropolitan Area.* **J Forensic Sci**, 2004;49:122-27.
43. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** *Homicidal Commotio Cordis Resulting from Adolescent Road Rage: Diagnostic Utility of Postmortem Troponin Assay.* **Am Soc Clin Pathol** Check Sample Forensic Pathology No. FP 04-2 (FP-293). Chicago, IL: ASCP Press:2004.
44. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** *Autoerotic Asphyxia: Summary of a Classic Case.* **Am Soc Clin Pathol** Check Sample Forensic Pathology No. FP 04-4 (FP-295) Chicago, IL: ASCP Press:2004.

**2005**

45. Shields, L.B.E, Hunsaker, D.M., **Hunsaker III, J.C.** *Autoerotic asphyxia Part I.* **Am J Forensic Med Pathol** 2005;26:45-52.
46. Shields, L.B.E, Hunsaker, D.M., **Hunsaker III, J.C.**, Wetli, C.V., Hutchins, K.D., Holmes, R.M. *Atypical autoerotic death Part II.* **Am J Forensic Med Pathol** 2005;26:53-62.
47. Huber, C., Hunsaker, D.M., **Hunsaker III, J.C.** *The Relationship between Elevated Body Mass Index and Lethal Ischemic Heart Disease: An Eleven-year Retrospective Review of Medical Examiners' Adult Autopsies in Kentucky.* **J Ky Med Assoc** 2005;103:93-101.
48. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** *Suicide: A Ten-Year Retrospective Review of Kentucky Medical Examiner Cases.* **J Forensic Sci** 2005;50:613-617.
49. Hunsaker, D.M., **Hunsaker III, J.C.**, Clayton, T., Spiller, H.A. *Lethal Envenomation: Medicolegal Aspects of Snakebites and Religious Snake Handlers in Kentucky A Report of Three Cases with Comment on Medical, Legal, and Public Policy Ramifications.* **J Ky Med Assoc** 2005; 103:542-556.

**ARTICLES - CONTINUED:**

**2006**

50. Helbecque, N., Sparks, D.L., **Hunsaker III, J.C.**, Amouyel, P. *The Serotonin Transporter Promoter Polymorphism and Suicide*. **Neurosci Lett** 2006; Feb 27.
51. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, Ward, M. *Toxicological Findings in Suicide: A Ten-Year Retrospective Review of Kentucky Medical Examiner Cases*. **Am J Forensic Med Pathol** 2006; 27:106-112.
52. Nixdorf-Miller, A., Hunsaker, D.M., **Hunsaker III, J.C.** *Hypothermia and Hyperthermia; Medicolegal Investigation of Morbidity and Mortality from Exposure to Environmental Temperature Extremes*. **Arch Pathol Lab Med** 2006;130:1297-1304.
53. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, Ward, M.K. *Adolescent and Young Adult Suicide: A Ten-Year Retrospective Review of Kentucky Medical Examiner Cases*. **J Forensic Sci** 2006;51:874-879.
54. Simmons, S.D., Davis, G.J. **Hunsaker III, J.C.** *Cerebral Tissue Pulmonary Embolization due to Head Trauma*. **Am Soc Clin Pathol** Check Sample Forensic Pathology No. FP 06-7 (FP-318) Chicago, IL: ASCP Press, August, 2006.
55. **Hunsaker III, J.C.** *A Word from the President* (Editorial). **Am J Forensic Med Pathol** 2006;27:197-199.

**2007**

56. Hanzlick, R., **Hunsaker III, J.C.**, Davis, G.J. *Commentary on: Use of Therapeutic Complication as a Manner of Death (Letter)*. **J Forensic Sci** 2007;52:491.
57. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** *Suicide in our Elders: A Ten-Year Review of Kentucky Medical Examiner Cases*. **Forensic Sci Med Pathol** 2007;2:253-262.
58. Shields, L.B.E., **Hunsaker III, J.C.**, Corey, T.S., Stewart, D. *Is SIDS on the Rise??* **J Ky Med Assoc** 2007;105(8):343-3353.
59. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** *Schizophrenia and Suicide: A 10-Year Review of Kentucky Medical Examiner Cases*. **J Forensic Sci** 2007;52:930-937.
60. Shields, L.B.E., **Hunsaker III, J.C.**, Corey, T.S., Ward, M.W., Stewart, D. *Methadone Toxicity Fatalities: A Review of Medical Examiner Cases in a Large Metropolitan Area*. **J Forensic Sci** 2007;52:1389-1395.

### **ARTICLES - CONTINUED:**

61. Shields, L.B.E., **Hunsaker III, J.C.**, Ward, M.K., Stewart, D. *Methadone-Associated Mortality: A Review of Three Typical but Disparate Investigations*. **Am Soc Clin Pathol** Check Sample Forensic Pathology No. FP 07-7 (FP-328) Chicago, IL: ASCP Press, August 2007.

### **2008**

62. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** *Russian Roulette and Risk-Taking Behavior: A Medical Examiner Study*. **Am J Forensic Med Pathol** 2008;29:32-39.
63. Sparks, D.L., **Hunsaker III, J.C.**, Amouyel, P., Malafosse, A., Bellivier, F., Leboyer, M., Courtet, P., Helbecque, N. *Angiotensin I-converting enzyme I/D polymorphism and suicidal behaviors*. **Am J Med Genet B Neuropsychiatr Genet** 2008 Jun 2. [Epub ahead of print]

### **CHAPTER IN BOOK**

### **1991**

1. **Hunsaker III, J.C.** "Government Regulations-State and Local Reportable Cases: Communicable, Infectious and Venereal Diseases," *In Medicolegal Primer*, American College of Legal Medicine, **1991**, pp. 363-370.

### **1992**

2. **Hunsaker III, J.C.** "Sudden Death of a Cocaine Addict in Police Custody" (Case Report), *In Applied Laboratory Medicine*. Edited by N.W. Tietz, R.B. Conn, and E.L. Pruden, Philadelphia, W.B. Saunders Co., **1992**, pp. 377-384.

### **1999**

3. Sparks, D.L. and **Hunsaker [III], J.C.** "Sudden Infant Death: A Neurodegenerative Disorder," *In Aktuelle Neuropädiatrie* 1998. Edited by K.H.P Bentele and A. Kohlschütter [Hrsg.], Nürnberg, Novartis Pharma Verlag, **1999**, pp. 160-168.
4. **Hunsaker III, J.C.**, Hunsaker, D.M., and Davis, G.J. (editors). "Autopsies" (chapter 32A), *In Lawyers' Medical Cyclopeda of Personal Injuries and Allied Specialties*, 4<sup>th</sup> ed., Vol. 4B. Edited by R.M. Patterson, Charlottesville, VA, Lexis® Law Publishing, **1999**, pp. 531-684.

### **2004**

5. Hunsaker, D.M., **Hunsaker III, J.C.** "Postmortem Alcohol Interpretation--Medicolegal Considerations Affecting Living and Deceased Persons" (chapter 14), *In Forensic Pathology Reviews*, Vol. 1. Edited by Michael Tsokos, Totowa, NJ, Humana Press, Inc., **2004**, pp. 307-338.

**CHAPTER IN BOOK – CONTINUED:**

6. Hunsaker, D.M., **Hunsaker III, J.C.** “Obesity Epidemic in the United States: A Cause of Morbidity and Premature Death” (chapter 4), *In Forensic Pathology Reviews, Vol. 2.* Edited by Michael Tsokos, Totowa, NJ, Humana Press, Inc. **2004**, pp. 59-98.

**2005**

7. Hunsaker, D.M., **Hunsaker III, J.C.** “Alcohol: Blood and Body Fluid Analysis” *In Encyclopedia of Forensic and Legal Medicine* (Vol. 1). Edited by J. Payne-James [Chief], R. W. Byard, T. S. Corey, C. Henderson, Oxford, UK, Elsevier Science, **2005**, pp. 29-38.
8. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** “Trends of Suicide in the United States during the Twentieth Century” (chapter 10), *In Forensic Pathology Reviews, Vol. 3.* Edited by Michael Tsokos, Totowa, NJ, Humana Press, Inc., **2005**, pp. 305-336.

**2006**

9. Hunsaker, D.M., **Hunsaker III, J.C.** “Elder Abuse Challenges for Clinical Forensic Specialists and Forensic Pathologists in the 21<sup>st</sup> Century” (chapter 2), *In Forensic Pathology Reviews, Vol. 4.* Edited by Michael Tsokos, Totowa, NJ, Humana Press, Inc. **2006**, pp 25-62.

**BOOK REVIEW**

**2007**

1. **Hunsaker III, J.C.** Stefan Timmermans. Postmortem – How Medical Examiners Explain Suspicious Deaths. Chicago IL and London, University of Chicago Press. 2006, 367 pp. **Forensic Sci Med Pathol** 2007;3:169-173.

**ABSTRACTS:**

1. Sparks, D.L., Slevin, J.T., **Hunsaker III, J.C.** Determination of Postmortem Interval by Putaminal 3-Methoxytyramine (3-MT) Levels. *Am. Acad. Forensic Sci.*, 37(GO88): 89, 1985
2. Sparks, D.L., Slevin, J.T., **Hunsaker III, J.C.**, Oeltgen, P.R. Comparison of Techniques for Determining Postmortem Interval. *Am. Assoc. for Clin. Chem.*, 31(6): 957, 1985.
3. Sparks, D.L., Slevin, J.T., Oeltgen, P.R., **Hunsaker III, J.C.** Comparison of Chemical Methods for Determining Postmortem Interval: Putaminal 3-Methoxytyramine (3-MT) Changes vs. Vitreous Humour K<sup>+</sup> Accumulation. *Am. Acad. Forensic Sci.*, 38(G41): 90, 1986.
4. Sparks, D.L., and **Hunsaker III, J.C.** Chemical Anatomy of the Human Pineal Gland. *Soc. Neurosci.*, 12: 1148, 1986.
5. Sparks, D.L., Markesbery, W.R., **Hunsaker III, J.C.** SIDS and the Third Eye. *Am. Acad. Forensic Sci.*, 39(G49): 113-114, 1987.

**ABSTRACTS – CONTINUED:**

6. Sparks, D.L., **Hunsaker III, J.C.** SIDS and the Third Eye II: Preliminary Chemistry. *Am. Acad. Forensic Sci.*, 40(G25): 98-99, 1988.
7. Sparks, D.L., **Hunsaker III, J.C.** Sudden Infant Syndrome and the Pineal Gland. *SIDS: A Look into the Future*. Medical University of South Carolina, Charleston SC, 1988.
8. Sparks, D.L., Davies, P., **Hunsaker III, J.C.** Increased ALZ-50-Reactive Neurons in the Brains of SIDS Infants - An Indicator of Greater Neuronal Death? *Am. Acad. Forensic Sci.*, 41 (G33): 101, 1989.
9. Sparks, D.L., **Hunsaker III, J.C.**, Scheff, S.W., Markesbery, W.R. Cortical SP in Heart Disease, Aging, and AD. *Am. Acad. Neurol.* Accepted, 1989.
10. Sparks, D.L., **Hunsaker III, J.C.**, Henson, J.L., Markesbery, W.R. The Amygdala in Alzheimer's Disease, Aging and Coronary Artery Disease; Incidence of Senile Plaques and Altered Chemistry. *J. Neuropathol. Exp. Neurol.*, 48: 334, 1989.
11. Kalaria, R., Fiedler, T., Sparks, D.L., **Hunsaker III, J.C.** Synaptic Transmission of the Putamen in SIDS. *Internat. Soc. Neurosci.* Accepted, 1989.
12. Sparks, D.L., **Hunsaker III, J.C.** Increased Numbers of ALZ-50-Reactive Neurons May Precede Senile Plaque Formation in Down's Syndrome. *Soc. Neurosci.* Accepted, 1989.
13. Sparks, D.L., Henson, J.L., Woeltz, V.M., Gersh, H., DeKosky, S.T., **Hunsaker III, J.C.** Synaptic Chemistry of the Hypothalamus in SIDS Infants. *Neurol.*, 40 (Suppl 1): 358, 1990.
14. Sparks, D.L., **Hunsaker III, J.C.**, Markesbery, W.R. Cortical Senile Plaques and Altered Cholinergic Chemistry in Heart Disease (HD). *Ann. Neurol.* Accepted, 1991.
15. Sparks, D.L., **Hunsaker III, J.C.**, Markesbery, W.R. Neurochemistry of the Amygdala in Alzheimer's Disease (AD), Hypertension and Critical Coronary Artery Disease (cCAD). *Soc. Neurosci.* Accepted, 1991.
16. Sparks, D.L., Mellert T.K., **Hunsaker III, J.C.** Neuronal Degeneration in Medulla of SIDS Infants. *Am. Acad. Forensic Sci.*, 44 (G-59): 149-150, 1992.
17. Sparks, D.L., Sanders, A.M., Scheff, S.W., Landers, T., Danner, F., Roses, A.D., Markesbery, W.R., Coyne, C.M., **Hunsaker III, J.C.** Increased Density of Cortical Senile Plaques in Non-Demented Individuals With the Apolipoprotein-E4 Genotype. *Neurobiol. Aging* 15: 5145-5146, 1994.
18. Sparks, D.L., Scheff, S.W., Liu, H., Landers, T., Coyne, C.M., **Hunsaker III, J.C.** Is Hypertension a Neuropathologic Forerunner to AD? *Schmitt Neurological Sciences Symposium*, 1994.

**ABSTRACTS – CONTINUED:**

19. Sparks, D.L., Scheff, S.W., Gross, D., Liu, H., Landers, T., Coyne, C.M., **Hunsaker III, J.C.** Intraneuronal  $\beta$ -Amyloid ( $\beta$ A4) Immunoreactivity in AD, Down's Syndrome (DS), Critical Coronary Artery Disease (cCAD), and Pigs and Rabbits. *Ann. Neurol.*, 36: 309, 1994.
20. Sparks, D.L., Coyne, C.M., Sparks, L.M., **Hunsaker III, J.C.** Apoptotic Neurodegeneration in Sudden Infant Death Syndrome. *J. Neuropath. Exp. Neurol.* Accepted, 1995.
21. Skinker, D.M., Coyne, C.M., Lanham, C.S., **Hunsaker III, J.C.** Chasing the Casing: A 0.38 Special Suicide. *Proceedings, Vol. I., Am. Acad. Forensic Sci.*, 47 (G71): 149, 1995.
22. Sparks, D.L., Coyne, C.M., Sparks, L.M., **Hunsaker III, J.C.** Pineal Gland Size in Sudden Infant Death Syndrome and a Recommended Technique for Brain Removal to Retain Anatomic Integrity of the Gland. *Proceedings, Vol. II., Am. Acad. Forensic Sci.* 48 (G12), 131, 1996.
23. Sparks, D.L., Davis, D.G., Coyne, C.M., **Hunsaker III, J.C.** Approaching the Microscopic Diagnosis of Sudden Infant Death Syndrome. *Proceedings, Vol. II., Am. Acad. Forensic Sci.* 48 (G14), 132, 1996.
24. Skinker, D.M., Warnecke, S.C., Morrow, J., **Hunsaker III, J.C.** Azoospermic Seminal DNA Analysis Utilizing the DIS80 Allelic Locus. *Proceedings, Vol. II., Am. Acad. Forensic Sci.* 48 (G32), 140, 1996.
25. Skinker, D.M., **Hunsaker III, J.C.** Iatrogenic Catheter-Related Cardiac Tamponade: A Case Report of Fatal Hydropericardium Following Subcutaneous Implantation of a Chemotherapeutic Injection Port. *Proceedings, Vol. III, Am. Acad. Forensic Sci.* 49 (G7), 124, 1997.
26. Hunsaker, D.M., Allen, K.E., **Hunsaker III, J.C.** Postmortem Angiography for Evaluation of Coronary Arteries and Venous Bypass Grafts With Implanted Intravascular Metallic Stents. *Proceedings, Vol. IV, Am. Acad. Forensic Sci.* 50 (G23), 148, 1998.
27. Stewart, J., Hunsaker, D.M., **Hunsaker III, J.C.** A Photographic Forensic Autopsy: An Easy Imaging Approach. *Proceedings, Vol. IV, Am. Acad. Forensic Sci.* 50 (G22), 147-48, 1998.
28. Sparks, D.L., Davis, D.G., Wilson, D., **Hunsaker III, J.C.**, and Markesbery, W.R. Diffuse Lewy Body Disease: Neurochemical, Neuropathological and Behavioral Correlations. Accepted, *J. Neurol. Sci.*, 1998.
29. Noonan, J.A., Adams, K.C., **Hunsaker III, J.C.** Sudden Death from Rupture of Coronary Artery Aneurysm. *Internat. Symposium of Kawasaki Disease, Am. Heart Assoc.*, Presented, 1998.
30. Fisher, S.T., Hunsaker, D.M., **Hunsaker III, J.C.** Death due to Splenic Artery Aneurysm Rupture. *Nat. Assoc. Med. Examiners*, Presented, 1999.
31. Sanders, K.L., Hunsaker, D.M., **Hunsaker III, J.C.**, Humbert, K.A. Suicidal Deaths involving Explosives. *Nat. Assoc. Med. Examiners*, Presented, 1999.

**ABSTRACTS - CONTINUED:**

32. Schott, J.C., Davis, G.J., **Hunsaker III, J.C.** A Shocking Case: Accidental Electrocution during Autoeroticism. Nat. Assoc. Med. Examiners, Presented, 2000.
33. Clayton, T.J., Hunsaker, D.M., **Hunsaker III, J.C.** Lethal Envenomation: Snakebites, Snake Handlers and the Autopsy in Kentucky. Nat. Assoc. Med. Examiners, Presented, 2000.34.
34. Hunsaker, D.M. and **Hunsaker III, J.C.** Therapy-related Café Coronary Deaths. Nat. Assoc. Med. Examiners, Presented, 2000.
35. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, and Parker Jr., J.C. Sudden and Unexpected Deaths in Epileptic Persons: Neuropathologic Findings. Nat. Assoc. Med. Examiners, Presented, 2001.
36. Schott, J.C., Thomas, A.B., Cutter, M.B., Johnson, J.K., Ward, M.K., Jones, D.W., Davis, G.J., **Hunsaker III, J.C.** The Oxycontin® Explosion: A New Type of Opiate Death in Central and Eastern Kentucky. Nat. Assoc. Med. Examiners, Presented, 2001
37. Huber, C., Hunsaker, D.M., **Hunsaker III, J.C.** The Correlation between Elevated Body Mass Index and Ischemic Heart Disease: A Ten-year Retrospective Review of Medical Examiners' Autopsies in Kentucky. Kentucky Medical Association Annual Convention, Presented, 2002.
38. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** Homicidal Commotio Cordis: A Case Report of Lethal Physical Assault of a Teenager by Five Perpetrators. Nat. Assoc. Med. Examiners, Presented, 2002.
39. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** Abuse and Neglect: A 10-year Review of Mortality in Our Elders. Proceedings, Vol. IX, Am. Acad. Forensic Sci. 55 (G46), 212, 2003.
40. Ralston, W.C., Hunsaker, D.M., **Hunsaker III, J.C.**, Burrows, A.M. Fatalities in Equine-related Activities. Nat. Assoc. Med. Examiners, Presented, 2003.
41. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, Holmes, R., Wetli C.V. Atypical Autoerotic Death: An Ultra-Extreme Sport. Nat. Assoc. Med. Examiners, Presented, 2003.
42. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** Autoerotic Asphyxia: An Extreme Sport. Nat. Assoc. Med. Examiners, Presented, 2003.
43. Hunsaker, D.M., Ralston, W.C., **Hunsaker III, J.C.** Deer Hunting Tree-Stand Fatalities in Kentucky: A Report of Two Cases. Nat. Assoc. Med. Examiners, Presented, 2003.
44. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** Suicide: A Ten-Year Retrospective Review of Kentucky Medical Examiner Cases. Proceedings, Vol. X, Am. Acad. Forensic Sci., 56 (G15), 227-8, 2004.
45. Bauer, M., Patzelt D., Hunsaker, D.M., **Hunsaker III, J.C.** Rechtsmedizin im US-Bundesstaat Kentucky — Ein Systemvergleich. Gerichtsmedizin Salzburg-Linz Region Süd der Deutschen Gesellschaft für Rechtsmedizin, Presented, 2004.
46. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, Ward, M.K. Toxicological Findings in Suicide: A Ten-Year Retrospective Study of Kentucky Medical Examiner Cases. Nat. Assoc. Med. Examiners, Presented, 2004.
47. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.** Adolescent and Young Adult Suicide: A Ten-Year Retrospective Review of Kentucky Medical Examiner Cases. Proceedings, Vol. XI, Am. Acad. Forensic Sci., 57 (G49), 252, 2005.

**ABSTRACTS - CONTINUED:**

48. Sparks, D.L., Friedland, R, Peterson B., Grady, E., Rolf, C.M., **Hunsaker III, J.C.** Increased Risk of Sudden Infant Death Syndrome (SIDS) among infants harboring the Apolipoprotein E-4 allele: Genetic and pathologic similarities to Alzheimer's Disease (AD). Proceedings, Vol. XI, Am. Acad. Forensic Sci., 57 (G103), 279, 2005.
49. Shields, L.B.E., Hunsaker, D.M., Corey, T.S., **Hunsaker III, J.C.** Is SIDS on the Rise?? Nat. Assoc. Med. Examiners, Presented, 2005.
50. Shields, L.B.E., Hunsaker, D.M., Corey, T.S., **Hunsaker III, J.C.**, Ward, M.K. Methadone-Related Deaths: A Review of Medical Examiner Cases in a Large Metropolitan Area. Proceedings, Vol. XII, Am. Acad. Forensic Sci., 58 (G96), 264, 2006
51. Shields, L.B.E., Hunsaker, D.M., **Hunsaker III, J.C.**, Bernstein, M.L. Dog Bite-Related Fatalities: Is a Dog Really Man's Best Friend? Nat. Association Med. Examiners, Presented 2006.
52. Satoh, F., Schott, J., Rolf, C. M., **Hunsaker III, J.C.** Comparison of Adult Deaths while Bathing in Eastern Kentucky and in Japan. Nat. Association Med. Examiners, Presented 2008.

**GRANTS:**

**Principal Investigator**

1984-1985

"Determination of Postmortem Interval by Putaminal Levels of 3-Methoxytyramine," BRSG Principal Investigator. Funded (\$4500, 1 yr.).

**Co-Investigator**

1990-1995

"Senile Plaques in Alzheimer's and Heart Diseases," ADRC, NIH, Project 0003. Funded, 1990. (\$592,189, 5 yrs.).

**JOURNAL REVIEWER:**

2003

2005

2006

2007

Neurology

Archives of Pathology & Laboratory Medicine  
Science

Am Society for Clinical Pathology-Check Sample®  
Journal of Forensic and Legal Medicine

**EDITORIAL BOARD**

2004

2005

2007

American Journal of Forensic Medicine and  
Pathology

Forensic Science, Medicine, and Pathology

North American Editor, Forensic Science, Medicine,  
and Pathology

**NATIONAL COMMITTEE SERVICE**

2006 – Present

Co-Chair, Steering Group Study of Deaths Following  
Electromuscular Disruption, *National Institute of  
Justice*, U.S. Department of Justice

**INVITED PRESENTATIONS** (Partial Listing):

- 1981 and 1982**      • *Introduction to Forensic Pathology*, PAT 823, University of Kentucky Department of Pathology
- 1982**                • *Sharp Force Injury*, Symposium on Forensic Pathology, Office of the Chief Medical Examiner, **Washington, D.C.**
- 1983-Present**      • *Aspects of: Death Scene Investigation, Trauma Pathology, Forensic Toxicology, Postmortem Techniques; Manner of Death*. Regular Presentations at the Annual Kentucky Coroners' Conference (*Vide* page 17)  
• *Forensic Pathology, Trauma, and Natural Disease in Official Death Investigation*, Kentucky Coroners' Basic and In-service Training (KRS 72.415[2]), Kentucky Department of Criminal Justice Training, at multiple sites throughout Kentucky
- 1984**                • *Putting the Pieces Together—Forensic Pathology and the Air Florida Crash*. Sixth Annual Aaron Brown Lecture, Sponsored by *Phi Delta Epsilon*, University of Kentucky, Lexington  
• *Cases in Forensic Pathology*, Fayette County Lions Club  
• *Case Histories of Sexually Related Homicides*. Kentucky State Police Cadet Academy, Frankfort
- 1985**                • *The Law and Human Rights Abuses*, Annual Conference of Indiana Coroners, **Indianapolis, IN**
- 1986**                • *Hospital-related Deaths and Therapeutic Misadventure*, Annual Meeting of Virginia Medical Examiners, **Richmond, VA**  
• *Sudden Infant Death Syndrome*, Bath County Department of Health  
• *Sudden Infant Death Syndrome and the Forensic Pathologist*, Symposium on SIDS, Kentucky Cabinet for Health Services, Kentucky State University  
• *Medicolegal Aspects of Ethyl Alcohol: Psychological and Physiological Effects, Specimen Sampling Techniques, and Expert Testimony*. Department of Criminal Justice Training, Kentucky Justice Cabinet, Richmond
- 1988**                • *Sudden Infant Death Syndrome (SIDS) and the Pineal Gland*. SIDS: A Look into the Future. Sponsor: Department of Pediatrics, Medical University of South Carolina, **Charleston, SC**
- 1989**                • *Physiology of Ethyl Alcohol*, Attorney General's Task Force on Drunken Driving, University of Louisville Law School
- 1991**                • *Pathology of Trauma*, University of Kentucky Annual Trauma Symposium
- 1992**                • *Motor Vehicle Accidents and Accident Reconstruction—The Role of Autopsy*, Collision Dynamics Seminar. Sponsor: Kentucky Academy of Trial Attorneys and Accident Reconstruction Consultants, Inc., Louisville

**INVITED PRESENTATIONS - CONTINUED:**

- 1994**                   • *The Role of the Medical Examiner in Investigating Crime*, Regular Meeting of the Bluegrass Sisters in Crime, Lexington
- 1995**                   • *Aspects of Forensic Pathology and the Laboratory*, Annual Conferences of Kentucky Histotechnologists, Lexington and Louisville  
• *Arson Investigation*, Federal Bureau of Alcohol, Tobacco, and Firearms, Ashland
- 1997**                   • *Violence and the Medical Examiner in Kentucky*, Week without Violence Symposium. Sponsor: YMCA, Kings Daughters Hospital, Ashland
- 1999**                   • Session Moderator, Pathology/Biology Section, Annual Meeting of the American Academy of Forensic Sciences, **Orlando, FL**  
• *Death Scene Investigation*. In-service Training Seminar for Kentucky State Police Detectives, Frankfort
- 2000-Present**       • Scientific/Forensic Topics, Kentucky State Medical Examiner Retreats
- 2001**                   • *The Role of Radiology in Medicolegal Death Investigation*. Sponsor: Kentucky Society of Radiologic Technologists, Inc., Lexington  
• *The Art and Science of Forensic Toxicology: A Medical Examiner's Perspective*. Sponsor: University of Kentucky Graduate Center for Toxicology, Seminar Series, Lexington  
• *Sudden Infant Death Syndrome (SIDS): Neuropathologic Aspects*. Sponsor: Research Conference Series, University of Kentucky Department of Pathology and Laboratory Medicine, Lexington
- 2002**                   • *Alternative Careers with Law Degrees*. Sponsor: Speaker Series Committee, University of Tennessee College of Law, **Knoxville, TN**
- 2003**                   • *Forensic Medicine Procedures*. Sponsor: Donovan Scholars Program, University of Kentucky, Lexington  
• *Forensic Toxicology-Investigation of Drug-Related Death*. Sponsor: The Murphy Pain Center's Pain School, Louisville
- 2007**                   • *Medicolegal Investigation of Elder Abuse*. Sponsor: Kentucky Association for Gerontology, Paintsville  
• *Response by the Kentucky Medical Examiner Division to the Summer 2006 Crash of Comair Flight 5191, Lexington, Kentucky*. Sponsor: Masters 12 Conference, Saint Louis University School of Medicine, **Saint Louis, MO**

**PRESENTATIONS AT KENTUCKY CORONERS' ANNUAL CONFERENCE**

- 1983      *Certification of Deaths*  
1985      *Certification of Death*  
1986      *Investigation of Child Death*  
1987      *Presentation of the Foster-Powell Death Investigation*  
1988      *Collecting Toxicology Specimens When An Autopsy is not Going to be Conducted*  
1989      *Dilemmas in Determining Manner of Death*  
1995      *An Autopsy is not Always the Answer*  
1996      *Manner of Death Determination*  
1997      *The Air Florida Plane Crash in Washington, D.C.*  
1998      *U.S. Department of Justice Guidelines for Medicolegal Death Investigation*  
1999      *I Have the Body but No Medical History*  
2000      *Under the Influence of Ethyl Alcohol - A Medicolegal Perspective*  
2001      *Investigating Oxycotin® Deaths and Other Drug-Related Deaths*  
2003      *Multishot Suicide of the Head*  
2004      *Mechanism of Death*  
2007      *KY Coroner/Medical Examiner Death Investigation System – Yesterday, Today and Tomorrow*

**CV Preparation:** February 2009