

RESEARCH PUBLICATIONS / ACTIVITY

David G. Ellis, M.D., FACEP

Articles: Referred Journals

1. **Ellis DG**, Mayrose J;. The Success of Emergency Telemedicine at the State University of New York at Buffalo. *Telemedicine Journal and e-Health*. Spring 2003, 9(1):73-79
2. Mayrose J, Kesavadas T, Chugh K, Joshi D, **Ellis DG**; Utilization of virtual reality for endotracheal intubation training. *Resuscitation*, 59 (2003): 133-138.
3. Krupinski E, Nypaver M, Poropatich R, **Ellis DG**, Safwat R, Sapci H. Clinical Applications in Telemedicine / Telehealth. *Telemed J e-Health* 2002; 8(1):13-34
4. **Ellis DG**, Mayrose J., Jehle V.K., Moscatti R.M., Pierluisi G.J., A Telemedicine Model for Emergency Care to a Short-term County Correctional Facility, *Telemedicine Journal* 2001;7(2):87-92
5. **Ellis DG**, Lerner EB, Jehle DVK, Romano K, Siffring C: A multi-state survey of videotaping practices for major trauma resuscitations. *Journal of Emergency Medicine* 1999; 17(4):597-604
6. Moscatti R, Jehle D, **Ellis DG**, Fiorello A, Landi M: Positive outcome bias in the emergency medicine literature. *Academic Emergency Medicine* 1994; 1(3): 267- 271
7. **Ellis DG**, Verdile V, Heller MB, et al: Medical coverage of a marathon: Establishing guidelines for deployment of personnel and equipment. *Prehospital and Disaster Medicine* 1991;6(4):
8. Nelson P, **Ellis DG**, Fu F, Bloom MD, O'Malley J: Fluid and electrolyte balance during a cold weather marathon. *Am J Sports Med*. 1989;17(6):770-2
9. Vollmer TP, Stewart RD, Paris PM, **Ellis DG**, et al: Use of a lighted stylet for guided orotracheal intubation in the prehospital setting. *Annals of Emergency Medicine*. 1985;14(4):324-328
10. **Ellis DG**, Jakymec A, Kaplan RM, Stewart RD, Freeman JA, Bleyaert A, Berkebile PE: Guided orotracheal intubation in the operating room using a lighted stylet. *Anesthesiology*, 1986;64:823-826
11. **Ellis DG**, Stewart RD, Kaplan RM, et al: Success rates of blind orotracheal intubation using a transillumination technique with a lighted stylet. *Annals of Emergency Medicine*. 1986;15(2):138-142.

Articles: Non-Referred Journals for a Professional Audience

1. **Ellis DG**, Emergency Telehealth: Alive and Well in New York State, Empire State EPIC Emergency Physician's Interim Communique, Spring 2004, Vol 21:3:4-6
2. Mayrose J, **Ellis DG**, Barrile J, Integration of a Roll-About Telemedicine Unit into a Remote Facility Using a Single Transmission Line with Multiple Terminations, IEEE Dual-Use Technologies & Applications, 1996;6:42-44
3. Jehle D., Lerner E.B., Mayrose J., **Ellis DG**, LCD Projector: The Slide Projector of the Future, Society for Academic Emergency Medicine Newsletter, 1996;8:7
4. **Ellis DG**: Risk-taking behavior and EMS. *Emergency* 1995; 28(7): 9.
5. Stewart, RD; **Ellis, DG**: Caution in lighted stylet intubation (ltr) *Anesthesiology* 1987.

Articles: Conference Presentations – International Audience

1. Ellis DG, "Wireless Distribution of H.323 (Internet) Videoconferencing in a Trauma Center," Buffalo, NY, USA to Dalian, China Collaboration Conference, State University of New York at Buffalo, November 14, 2000.
2. Ellis DG, Mayrose J, "Wireless Distribution of H.323 (Internet) Videoconferencing in a Trauma Center," 2nd Annual International Internet 2 Megaconference, Atlanta, GA, October 31, 2000.
3. Ellis DG, "Sudden Death and Marathon Running. International Conference on Sports Medicine," Moscow, USSR, August 9, 1990.
4. Ellis DG, "Pittsburgh Marathon 1986: The heat controversy," International Marathon Medical Director's Association Annual Meeting, New York, NY, Oct. 25, 1986

Articles: Conference Presentations – National Audience

1. Myers J, **Ellis DG**, Wander S, Mayrose J, Billittier A, Airway Management Education of EMS Providers Utilizing Interactive Digital Versatile Disc Format (iDVD), Poster presentation, Innovations in Emergency Medicine Exhibit. Annual Meeting, Society for Academic Emergency Medicine. St. Louis, MO, May 21-22, 2002
2. Phelan M., **Ellis D.G.**, Mayrose J., Niedermeyer R., Jehle D., A Time Study Emergency Medicine Consultations: Durations Similar to Non-Telemedicine Emergency Department Visits, American College of Emergency Physicians, National Meeting, Chicago IL, October 2001

3. Mayrose J., **Ellis D.G.**, Whitlock J.O., Distance Education using IP/TV streaming video from an IP multi-point conference, American Telemedicine Association, National Meeting, Pheonix AZ, May 2000
4. **Ellis D.G.**, Mayrose J., Whitlock J.O., Distance Precepting at the Bedside via the Internet Utilizing the H.323 IP Standard, American Telemedicine Association, National Meeting, Pheonix AZ, May 2000
5. **Ellis D.G.**, Mayrose J., Jehle D.V., Billittier A., Moscati R., Phelan M., The Emergency Telemedicine Roll-about: A New Tool For Academic Emergency Departments, Society for Academic Emergency Medicine, National Meeting, San Francisco CA, May 2000
6. Lopez S., **Ellis D.G.**, Mayrose J., Rotta M., Evaluation of the Jump Test for Abdominal Pathology, American Academy of Emergency Medicine, National Meeting, February 2000
7. **Ellis D.G.**, Jehle D., Moscati, R., Mayrose J., Billittier A., Initial Experience with Rural Hospital Emergency Telemedicine Night Coverage Using an On-site RN and Paramedic Team, Society for Academic Emergency Medicine, National Meeting, *Academic Emergency Medicine*, 1998;5(5):537
8. D'Aprix T., **Ellis D.G.**, Mayrose J., Core Curriculum-Guided Resident and Faculty Education Management Using Bar-Coded Data Entry and A Web-Accessible Database, Society for Academic Emergency Medicine, National Meeting, *Academic Emergency Medicine*, 1998;5(5):503
9. **Ellis DG**, Mayrose J, Jehle D, "Rural Emergency Telemedicine – Salamanca Experience," American Telemedicine Association Annual Meeting, Orlando, FL April 7, 1998.
10. **Ellis DG**, "Emergency Telemedicine." Telemedicine 2000, Orlando, FL, February 20, 1998.
11. **Ellis DG**, Jehle D, Telemedicine Luncheon with Demonstration, Society for Academic Emergency Medicine, Denver CO, May 20, 1997
12. Wingard G., **Ellis D.G.**, Mayrose J., Moscati R.M., Krause R.S., Evaluation of a personal Computer-Based Telemedicine System for Radiographic Assessment of Emergency Medical Conditions, American College of Emergency Physicians, New Orleans, LA, September 1996
13. **Mayrose J.**, Ellis D.G., Barrile J, Integration of a Roll-About Telemedicine Unit into a Remote Facility Using a Single Transmission Line with Multiple Terminations, IEEE Dual-Use Technologies & Applications Conference, Syracuse NY, June 1996
14. **Ellis D.G.**, Mayrose J., Jehle D.V., Kibler J., Moscati R.M., Implementation of a Personal Computer-based Telemedicine System for Emergency Medicine Consultation to a Short-term Correctional Facility, Spring Congress, American Medical Informatics Association, Kansas City, MO, June 1996

15. **Ellis DG**, Jehle D, "Multimedia Presentations in Emergency Medicine," Society for Academic Emergency Medicine, San Antonio, TX, May 14, 1995; and at, American College of Emergency Physicians, Washington, D.C., Sept 12, 1995.
16. **Ellis D.G.**, Jehle D., Moscati R., Mayrose J., Watson J., Initial Assessment of a PC Based Emergency Telemedicine System in The Management of Patients at a Short Term Correctional Facility, Society for Academic Emergency Medicine, National Meeting, *Academic Emergency Medicine* 1995;2(5):404
17. Moscati R., Jehle D., **Ellis D.G.**, Abrams B., Billittier A., Mayrose J., Seymour J., Mason P., Portable fluoroscopy for the evaluation of extremity injuries in the emergency department, Society for Academic Emergency Medicine, National Meeting, *Academic Emergency Medicine* 1995;2(5):459
18. **Ellis, DG**; Stapczynski, S; McCabe: Mortality/Morbidity conference and Quality Assurance in a teaching Emergency Department. American College of Emergency Physicians. San Francisco, CA, September 15-18,1990.
19. **Ellis DG**, Verdile V, Heller M, "Comparison of IV vs. oral rehydration in the post marathon runner." Presented at the American College of Sports Medicine, Salt Lake City, Utah, May 24,1990.
20. **Ellis DG**, Paris PM, Verdile V, Heller MB, Stewart RD, Kennedy R, Fu F, Cox R, "Medical coverage of a marathon: Establishing guidelines for deployment of personnel and equipment." National Association of EMS Physicians Annual meeting. Washington, D.C. June 1988.
21. **Ellis DG**, Paris PM, Verdile V, Heller MB, Stewart RD, Kennedy R, Fu F, Cox R: Medical coverage of a marathon: Establishing guidelines for deployment of personnel and equipment. American College of Emergency Physicians, Annual Meeting, *Ann Emerg Med* 1988;17(7):753.
22. **Ellis DG**, "Intubation of a trauma patient with a lighted stylet: Case presentation and discussion," Annual Conference, Pennsylvania Chapter of the American College of Emergency Physicians, Harrisburg, PA, May 2-4, 1984.
23. **Ellis DG**, Stewart RD, Kaplan RM, Jakymec A "Success rates of orotracheal intubation by transillumination technique using a lighted stylet," Presented at the University Association of Emergency Medicine Annual Meeting, Kansas City, Missouri, May 21,1985.
24. Vollmer TL, Stewart RD, Paris PM, **Ellis DG**, Berkebile PE: Guided orotracheal intubation using a lighted stylet. Presented at the University Association of Emergency Medicine, Louisville, Kentucky, May 1984, *Ann Emerg Med* 1985

Articles: Conference Presentations – Regional Audience

1. Phelan M., **Ellis D.G.**, Mayrose J., Niedermeyer R., Emergency Telemedicine Consultation Time Study, Regional Society for Academic Emergency Medicine Conference, University of Rochester, March 2001
2. **Ellis DG**, “Forming a Regional Coalition for Technology Development, Computers and Information Technology,” CIT2000 Conference, Roswell Park Cancer Institute, June 1, 2000.
3. **Ellis DG**, “Emergency Telemedicine,” Western New York Telemedicine Conference, Roswell Park Cancer Institute, May 10, 2000
4. **Ellis DG**, Management of the Beta-blocker overdose, Case Presentation and discussion, Pittsburgh Conference of Emergency Medicine, Pittsburgh, PA, October 9, 1985.

Invited Presentations:

Invited Presentations – International Audience

1. **Ellis DG**, “Emergency Telehealth: The High-Tech Point of Entry into the ER”, Innovation and Evaluation 2004 – An International Telehealth Conference, Anchorage, AK, March 5, 2004.
2. **Ellis DG**, “Sudden death and marathon running-Case reports and discussion.” Biannual Meeting, International Marathon Medical Directors. New York, NY, November 3, 1990.

Invited Presentations – National Audience

1. **Ellis DG**, “Emergency Telehealth” and “Emergency Assessment and Risk Management for Correctional Facility Staff”, 2004 Correctional Medical and Mental Health Care Symposium, Saratoga Springs, NY, October 20, 2004
2. **Ellis DG**, “Emergency Telehealth”, Telemedicine Applications Course at the Annual Meeting of the American Telemedicine Association, Tampa, FL, May 2, 2004.
3. **Ellis DG**, “Using Telehealth to Improve Emergency Care and Disaster Preparedness” Office for the Advancement of Telehealth, Annual Grantee Meeting, Washington, DC, January 12, 2004.
4. **Ellis DG**, “Emergency Telemedicine: The High Tech Point of Entry Into the Emergency Department and Emergency Department Information Management Systems.” New York Chapter ACEP (American College of Emergency Physicians), Bolton Landing, NY, July 6-7 2003.

5. **Ellis DG**, “Emergency Telemedicine Statewide Systems,” National Corrections Telemedicine Conference, University of Arizona, Tuscon, AZ, November 2002
6. **Ellis DG**, “Emergency Telemedicine Statewide Systems,” National Corrections Telemedicine Conference, University of Arizona, Tuscon, AZ, November 2001
7. **Ellis DG**, “Emergency Telemedicine Systems,” Tufts University Telemedicine Conference, Boston, MA, June 27, 2001
8. **Ellis DG**, “Emergency Telemedicine Statewide Systems,” National Corrections Telemedicine Conference, University of Arizona, Tuscon, AZ, November 2002
9. **Ellis DG**, “Emergency Telemedicine”, Department of Informatics Grand Rounds, Columbia-Presbyterian University Hospital, New York, NY.
10. **Ellis DG**, “Emergency Telemedicine,” Medical College of Georgia Emergency Medicine Grand Rounds, Augusta, GA, October 5, 2000.
11. **Ellis DG**, “Emergency Telemedicine” University of Florida, Emergency Telemedicine Grand Rounds, Jacksonville, FL, March 2000
12. **Ellis DG**. “Introduction to Emergency Telemedicine,” Grand Rounds Albany (NY) Medical Center, August 29, 1997.
13. **Ellis DG**, “Airway Management - Rapid Sequence Induction/Intubation,” Annual Meeting Pennsylvania Chapter ACEP, Pittsburgh, PA April 19, 1991.

Invited Presentations – Regional Audience

1. **Ellis DG**, “Telehealth and Emergency Telehealth” Medical-Dental Staff of Brooks Memorial Hospital, Fredonia, NY, March 15, 2004
2. **Ellis DG**, “Telehealth”, Western New York Healthcare Association, Tonowanda, NY, March 1, 2004.
3. **Ellis DG**, Health Association of New York State (HANYS), HANYS Rural Health Policy Institute and Educational Symposium, panel presentation “The Three T’s of Rural Health Care: Telecommunication, Telemedicine, and Telehealth.” June 19-20 2003
4. **Ellis DG**, “Ongoing Topics in Emergency Telemedicine,” New York State Department of Correctional Services, numerous seminars delivered to 31 state-wide facilities via multipoint videoconferencing. September 27, 2000 – present.
5. **Ellis DG**, HIV Post Exposure Prophylaxis for Sexual Assault Protocols Roundtable, Buffalo, NY, October 17, 2000.

6. **Ellis DG**, HIV Post Exposure Prophylaxis for Sexual Assault Protocols Roundtable, New York State Department of Health, Satellite Teleconference, Albany, NY May 2000
7. **Ellis DG**, “Legal Aspects of Emergency Telemedicine,” University at Buffalo Telemedicine Law Seminar, Buffalo, NY, April 28,2000.
8. **Ellis DG**, “Introduction to Telemedicine: The Telemedicine Examination,” at Health Informatics: Integrating Resources for Education and Health Care, SUNY at Buffalo, May 19,1995.
9. **Ellis DG**, “Rural vs. Urban Trauma. International Congress on Emergency and Trauma Medicine.” Pittsburgh, PA, October 19, 1990.

Articles: Contributions to and/or in books

1. **Ellis DG**; Diagnostic Testing in Trauma in Wolfson A, and Paris P (eds), Diagnostic Testing in Emergency Medicine, WB Saunders, 1996.
2. **Ellis DG**; Rapid Sequence Intubation in Jenkins JL, Loscalzo J, Braen GR (eds), Manual of Emergency Medicine (3rd edition), Little Brown and Company, 1995.
3. **Ellis DG**; Rapid Sequence Intubation in Jenkins JL, Loscalzo J, Braen GR (eds), Manual of Emergency Medicine (4th edition), Little Brown and Company, 2000.
4. **Ellis DG**; Rapid Sequence Intubation in Jenkins JL, Loscalzo J, Braen GR (eds), Manual of Emergency Medicine (5th edition), Little Brown and Company, 2004.

Articles: Publications or Media Presentations Offering Professional Expertise

1. “Life in the Emergency Department,” Interview with David Ellis, MD. A.M. Buffalo, WKBW Channel 7 Studio, September 30, 2003
2. “Telemedicine at ECMC,” University at Buffalo Distance Learning Presentation, May 16, 2000
3. Numerous on-site public service news clips on topics pertaining to preventative care and safety for area television stations. ECMC

Research Activities (Mentor):

Lazeni Koulibali, DO, Resident in Emergency Medicine - Nationwide Survey of FAST Ultrasound for Trauma in Community / Rural Emergency Departments

Christa Switzer, RPA-C, Masters in Physician Assistant Student – Wound Repair using Telemedicine Technology with Steri-Strips and Wound Glue.

James Mayrose, MS, PhD - Telemedicine systems and roll-about development, “virtual glove” haptic devices for remote palpation, virtual simulation systems for intubation training.

Craig Cooley, MD, Resident in Emergency Medicine – On-the-cart EKGs with EMS personnel at Emergency Department triage, survey of EMS personnel attitudes toward On-the-cart EKGs.

Brian Kenjarski, MD, Resident in Emergency Medicine – Cost-benefit study of statewide emergency telemedicine system with correctional facilities

Cole Peck, MD, Resident in Emergency Medicine – Telemedicine transmission of bedside ultrasound Focused Abdominal Sonography in Trauma (FAST) examination.

Angela Lee, MD, Resident in Emergency Medicine – Sports physiologic analysis of airway intubation training

Jason Borton, MD, Resident / Fellow in Emergency Medicine – On-the-cart EKGs with EMS personnel at Emergency Department triage, survey of EMS personnel attitudes toward On-the-cart EKGs.

Jeffrey Myers, DO, Resident in Emergency Medicine – Interactive DVD for EMS airway management education, evaluation of EMS Airway DVD in simulated distance learning environment.

Matthew Doubrava, Medical Student, On-the-cart EKGs with EMS personnel at Emergency Department triage, survey of EMS personnel attitudes toward On-the-cart EKGs.

Steven Lopez, MD, Resident in Emergency Medicine, Jump test for evaluation of pediatric patients with abdominal pain.

Michael Phelan, MD, Resident in Emergency Medicine, Study of time commitment for emergency department hub site personnel in emergency telemedicine network.

Gordon Wingard, Medical Student, Teleradiology for emergency medical conditions including spine injuries and pneumothorax using emergency telemedicine system.

Michael Landi, Medical Student, Occupational exposures to needle stick by medical students in training.

Grant Support:

1. **Ellis DG** (Principal Investigator) . To web-enable Airway Management DVD project for workforce development. Verizon Foundation. January 2004. \$25,000.
2. Holm, BA; **Ellis DG** (Co-Principal Investigator). WNY Rural Communities Telehealth Network Project. Health Resource Services Administration (HRSA), Office for the

Advancement of Telehealth, Congressionally Mandated Telehealth Project. May 2003 – present. \$ 962,000.

3. **Ellis DG** (Project Chair), Haywood TJ, Hanson S, Saltzman A, et al. Independent Health Distance Learning Center at ECMC to support distance learning for workforce development. Verizon Foundation. September 2003. \$25,000.
4. Ellis DG (Chair), Haywood TJ, Hanson S, Saltzman A, et al. Independent Health Distance Learning Center at ECMC. Baird Foundation. August 2003. \$11,000.
5. **Ellis DG** (Chair), Haywood TJ, Hanson S, Saltzman A, et al. Independent Health Distance Learning Center at ECMC. Independent Health Association. February 2003. \$100,000.
6. **Ellis DG** (Co-PI); Myers, JW, Zak C, Wander S. Interactive DVD for Emergency Medical Services Airway Management. Calspan (General Dynamics) - University at Buffalo (SUNY) Research Center (CUBRC), Center for Traffic Injury Research. September 2002. \$50,000.
7. **Ellis DG** (Chair), Haywood TJ, Hanson S, Saltzman A, et al. Independent Health Distance Learning Center at ECMC, Margaret L. Wendt Foundation. August 2002. \$75,000.
8. **Ellis DG** (Chair), Haywood TJ, Hanson S, Saltzman A, et al. Independent Health Distance Learning Center at ECMC, ECMC Medical-Dental Staff. July 2002. \$25,000.
9. Rivers R, **Ellis DG** (Co-Investigator). Cattaraugus/Allegany BOCES Collaboration for Nursing Grand Rounds. US Department of Agriculture (USDA) Rural Utilities Service Telemedicine Grant Program. May 2002. \$45,000.
10. **Ellis DG** (Chair), Haywood TJ, Hanson S, Saltzman A, et al. Independent Health Distance Learning Center at ECMC, Erie County. February 2002. \$455,000.
11. **Ellis DG** (Co-PI); Myers, JW, Zak C, Wander S. Interactive DVD for Emergency Medical Services Airway Management. The James H. Cummings Foundation. May 2001. \$11,000.
12. **Ellis DG** (Co-PI); Myers, JW, Zak C, Wander S. Interactive DVD for Emergency Medical Services Airway Management. The Margaret L. Wendt Foundation, May 2000. \$20,000.
13. **Ellis DG** (Co-Investigator), Whitlock JO. Video Development Initiative (ViDe) Southeastern Universities Research Assoc./BBN Planet / NYSERNET. Western New York High Performance Network Video Initiative. September 1999.
14. **Ellis DG** (Co-PI), Mayrose J: Development of Emergency Telemedicine Rollabout and Testbed. Calspan (General Dynamics) - University at Buffalo (SUNY) Research Center (CUBRC), Center for Traffic Injury Research. October 1998. \$45,000.

15. Mayrose J, **Ellis DG** (Co-PI). Virtual Abdominal Examination Using an Instrumented Glove and Fuzzy Neural Network. Multi-Disciplinary Research Fund, Office of the Provost, Research Foundation, University at Buffalo (SUNY). May 1998. \$20,000.
16. **Ellis DG** (PI), Bagen J. Provision of emergency medical and HIV/AIDS healthcare to prisoners via telemedicine. New York State Department of Correctional Services, May 1995. \$42,000.
17. Wingard G, **Ellis DG** (Faculty Mentor) Evaluation of teleradiology via a personal computer-based emergency telemedicine system for identification of emergency medical conditions. Emergency Medicine Foundation 95-96 EMF/SAEM Medical Student Grant. April 1995. \$2,400.
18. **Ellis DG** (PI), Jehle DVK, Billittier A, Moscatti RM: Use of a standardized emergency department form for management of occupational blood/body fluid exposures. Research for Health in Erie County. December 1992. \$11,325.